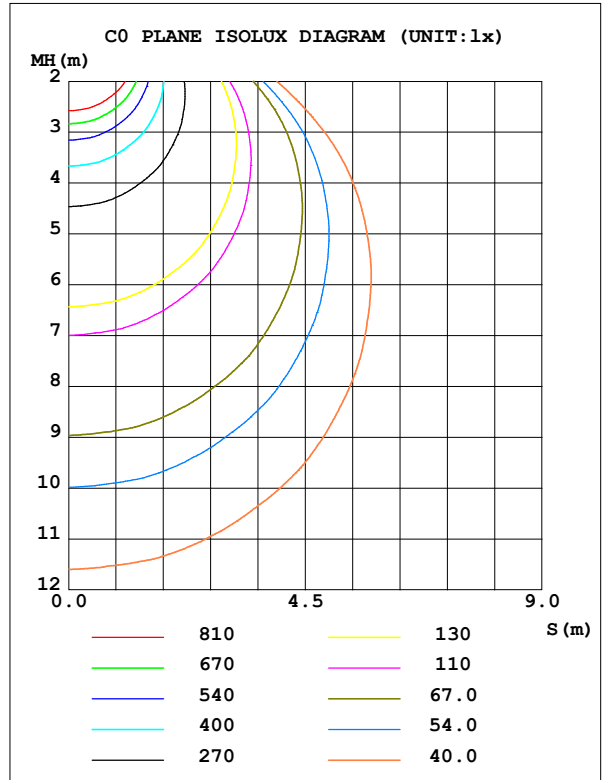
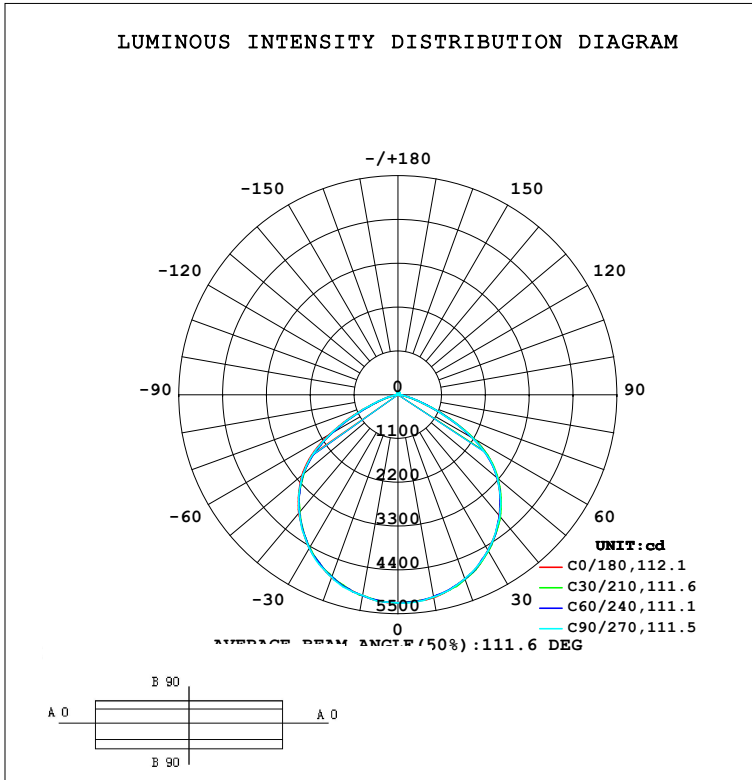


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.01V I:0.4390A P:94.324W PF:0.9341 Freq:49.99Hz Lamp Flux:13811.2x1 lm		
NAME: LED HIGHBAY	TYPE:SKU-7808	WEIGHT:
SPEC.:CCT-4000K	DIM.:	SERIAL No.:
MFR.: V-TAC EUROPE LTD	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 146.42 lm/W
MODEL	VT-92100	I _{max} (cd)	5237	S/MH (C0/180)	1.27	
NOMINAL POWER (W)	100	LOR (%)	100.0	S/MH (C90/270)	1.26	
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	13811	η UP, DN (C0-180)	0.8, 50.0	
NOMINAL FLUX (lm)	13811.2	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.7, 48.4	
LAMPS INSIDE	1	η up (%)	1.5	CIBSE SHR NOM	1.25	
TEST VOLTAGE (V)	230.2	η down (%)	98.5	CIBSE SHR MAX	1.35	



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operator: ILIEV
 Test Date: 24 April 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.407.13
 Humidity: 65.0%
 Test Distance: 9.420m [K=1.0000]
 Remarks: PF=8.476%
 PST=0.108
 SVM=0.330
 EC=E

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

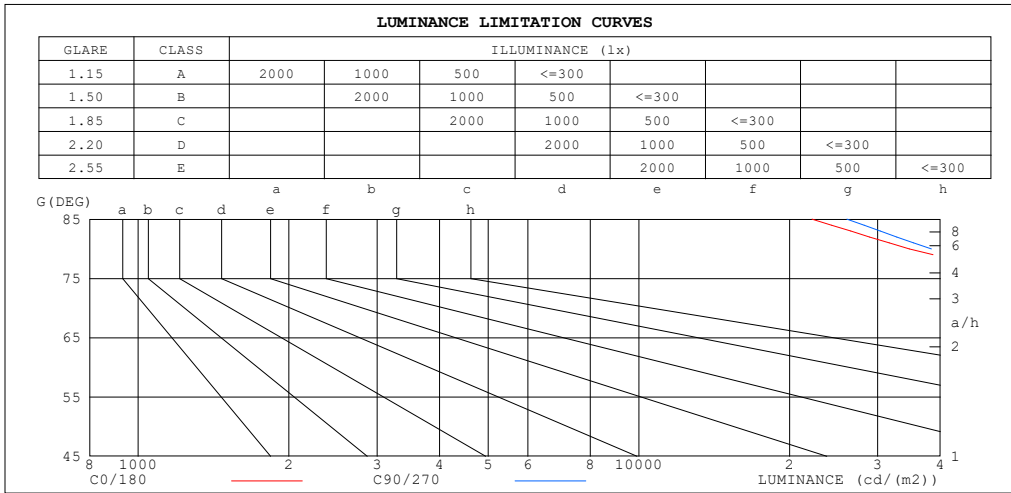
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	$\%lum, lamp$
10	5169	5148	5155	5142	5115	5123	5117	5145	0- 10	494.8	494.8	3.58,3.58
20	4919	4927	4918	4882	4880	4857	4876	4893	10- 20	1423	1918	13.9,13.9
30	4516	4540	4525	4472	4454	4426	4451	4481	20- 30	2172	4090	29.6,29.6
40	3951	3979	3974	3910	3878	3844	3857	3912	30- 40	2638	6727	48.7,48.7
50	3258	3275	3262	3200	3154	3094	3115	3185	40- 50	2755	9482	68.7,68.7
60	2185	2169	2149	2071	1976	1883	1926	2070	50- 60	2395	11877	86,86
70	775.2	794.3	777.1	698.9	621.4	594.7	624.3	687.0	60- 70	1312	13189	95.5,95.5
80	135.9	158.4	155.9	122.2	98.57	101.4	110.5	115.6	70- 80	361.2	13550	98.1,98.1
90	8.855	9.152	8.985	9.093	3.814	3.906	3.858	3.555	80- 90	49.72	13600	98.5,98.5
100	15.03	14.67	15.02	15.59	9.351	9.488	9.310	8.546	90-100	9.595	13609	98.5,98.5
110	24.51	23.97	24.71	25.18	20.58	20.16	20.10	19.00	100-110	17.82	13627	98.7,98.7
120	35.42	34.78	35.03	36.18	31.94	31.50	31.94	30.32	110-120	27.52	13655	98.9,98.9
130	45.69	44.32	45.90	45.75	43.12	40.89	41.75	39.49	120-130	34.33	13689	99.1,99.1
140	52.99	51.36	53.25	52.61	49.91	49.42	48.11	47.07	130-140	36.08	13725	99.4,99.4
150	57.43	56.48	57.45	57.34	58.92	57.59	57.23	55.57	140-150	33.78	13759	99.6,99.6
160	62.76	61.19	62.33	61.61	65.69	64.05	61.15	62.93	150-160	27.64	13787	99.8,99.8
170	66.39	65.71	66.72	65.63	67.80	66.73	65.40	65.17	160-170	18.26	13805	100,100
180	70.28	70.85	69.97	70.09	70.75	70.92	69.96	70.07	170-180	6.467	13811	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ILIEV
 Test Date:24 April 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_v1 SYSTEM V2.0.407.13
 Humidity:65.0%
 Test Distance:9.420m [K=1.0000]
 Remarks: PF-8.476%
 PST-0.108
 SVM-0.330
 EC=E

LUMINANCE LIMITATION CURVES

Test:U:230.01V I:0.4390A P:94.324W PF:0.9341 Freq:49.99Hz Lamp Flux:13811.2x1 lm		
NAME: LED HIGHBAY	TYPE:SKU-7808	WEIGHT:
SPEC.:CCT-4000K	DIM.:	SERIAL No.:
MFR.: V-TAC EUROPE LTD	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	22181	26051
80	34681	38412
75	58154	61418
70	100470	97190
65	150148	142426
60	193717	183864
55	217617	208456
50	224678	217116
45	227981	220143

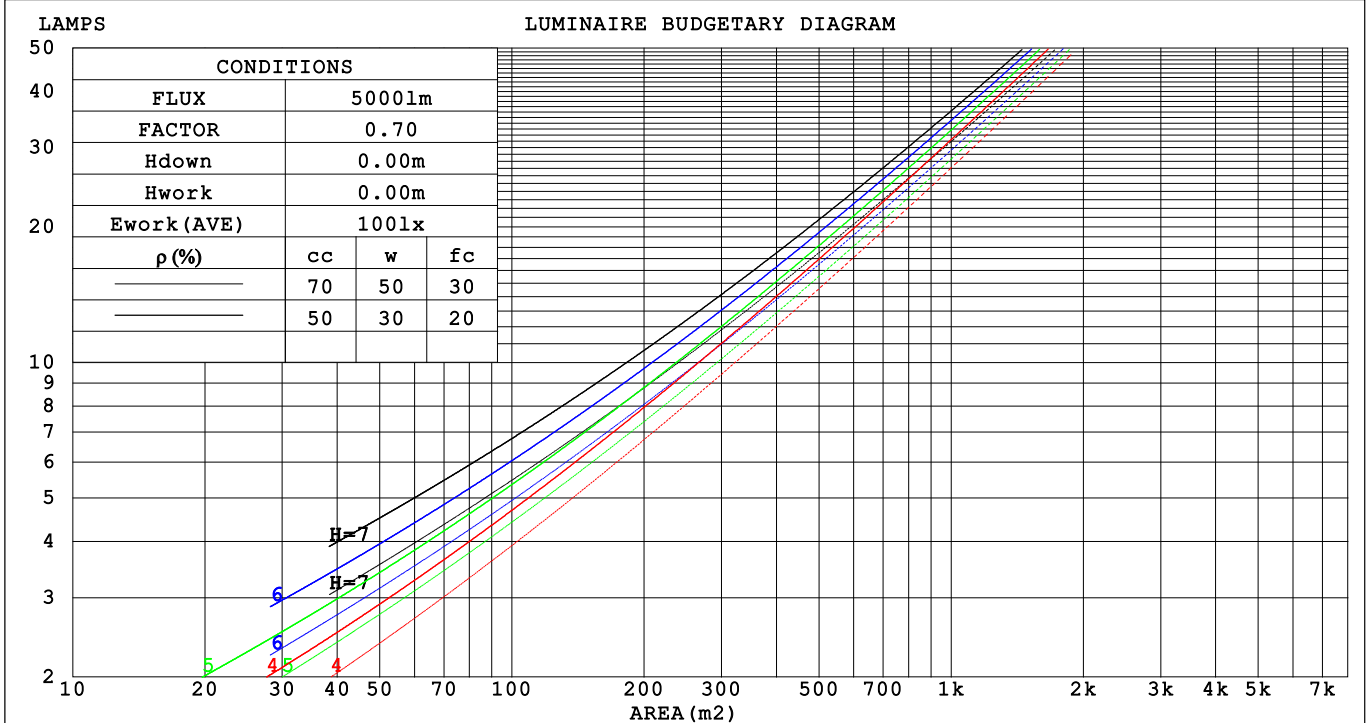
C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ILIEV
 Test Date:24 April 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_v1 SYSTEM V2.0.407.13
 Humidity:65.0%
 Test Distance:9.420m [K=1.0000]
 Remarks: PF-8.476%
 PST-0.108
 SVM-0.330
 EC=E

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.01V I:0.4390A P:94.324W PF:0.9341 Freq:49.99Hz Lamp Flux:13811.2x1 lm		
NAME: LED HIGHBAY	TYPE:SKU-7808	WEIGHT:
SPEC.:CCT-4000K	DIM.:	SERIAL No.:
MFR.: V-TAC EUROPE LTD	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw																
pfc																
RCR	RCR:Room Cavity Ratio															
	Coefficients of Utilization(CU)															
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.10	1.10	1.10	1.05	1.05	1.05	1.01	1.01	1.01	.98
1.0	1.06	1.02	.99	1.03	1.00	.97	.99	.96	.94	.95	.93	.91	.91	.89	.88	.86
2.0	.93	.87	.82	.91	.86	.81	.88	.83	.79	.84	.80	.77	.81	.78	.75	.73
3.0	.83	.75	.69	.81	.74	.68	.78	.72	.67	.75	.70	.66	.72	.68	.64	.62
4.0	.74	.65	.59	.72	.64	.59	.69	.63	.58	.67	.61	.57	.65	.60	.56	.54
5.0	.66	.57	.51	.65	.57	.51	.62	.55	.50	.60	.54	.49	.58	.53	.49	.47
6.0	.59	.51	.45	.58	.50	.44	.56	.49	.44	.55	.48	.43	.53	.47	.43	.41
7.0	.54	.45	.39	.53	.45	.39	.51	.44	.39	.50	.43	.38	.48	.42	.38	.36
8.0	.49	.41	.35	.48	.40	.35	.47	.40	.35	.46	.39	.34	.44	.38	.34	.32
9.0	.45	.37	.32	.44	.37	.31	.43	.36	.31	.42	.36	.31	.41	.35	.31	.29
10.0	.42	.34	.29	.41	.34	.29	.40	.33	.28	.39	.33	.28	.38	.32	.28	.26



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ILIEV
 Test Date:24 April 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_v1 SYSTEM V2.0.407.13
 Humidity:65.0%
 Test Distance:9.420m [K=1.0000]
 Remarks: PF=8.476%
 PST=0.108
 SVM=0.330
 EC=E

WEC AND CCEC

Test:U:230.01V I:0.4390A P:94.324W PF:0.9341 Freq:49.99Hz Lamp Flux:13811.2x1 lm		
NAME: LED HIGHBAY	TYPE:SKU-7808	WEIGHT:
SPEC.:CCT-4000K	DIM.:	SERIAL No.:
MFR.: V-TAC EUROPE LTD	SUR.:	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)									
0.0																
1.0	.267	.152	.048	.259	.148	.047	.245	.141	.045	.232	.134	.043	.221	.128	.041	
2.0	.260	.143	.044	.254	.140	.043	.241	.134	.042	.230	.129	.040	.220	.124	.039	
3.0	.247	.131	.039	.241	.129	.039	.230	.125	.038	.220	.121	.037	.211	.117	.036	
4.0	.232	.120	.035	.227	.119	.035	.217	.115	.034	.208	.112	.034	.200	.109	.033	
5.0	.217	.111	.032	.212	.109	.032	.204	.106	.031	.196	.103	.031	.188	.101	.030	
6.0	.203	.102	.029	.199	.101	.029	.191	.098	.029	.184	.096	.028	.178	.093	.028	
7.0	.191	.094	.027	.187	.093	.027	.180	.091	.026	.174	.089	.026	.167	.087	.026	
8.0	.179	.087	.025	.176	.087	.024	.170	.085	.024	.164	.083	.024	.158	.081	.024	
9.0	.169	.082	.023	.166	.081	.023	.160	.079	.022	.155	.078	.022	.150	.076	.022	
10.0	.159	.076	.021	.156	.076	.021	.151	.074	.021	.146	.073	.021	.142	.071	.020	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)									
0.0	.202	.202	.202	.173	.173	.173	.118	.118	.118	.068	.068	.068	.022	.022	.022	
1.0	.189	.168	.150	.162	.144	.129	.111	.099	.089	.064	.057	.052	.020	.019	.017	
2.0	.180	.144	.114	.154	.124	.098	.106	.086	.069	.061	.050	.040	.020	.016	.013	
3.0	.172	.126	.089	.147	.109	.078	.101	.076	.054	.058	.044	.032	.019	.014	.011	
4.0	.165	.113	.073	.141	.097	.063	.097	.068	.045	.056	.040	.026	.018	.013	.009	
5.0	.157	.102	.061	.135	.088	.053	.093	.062	.038	.054	.036	.022	.017	.012	.007	
6.0	.151	.094	.053	.130	.081	.046	.089	.057	.032	.052	.033	.019	.017	.011	.006	
7.0	.144	.087	.046	.124	.075	.040	.086	.053	.029	.050	.031	.017	.016	.010	.006	
8.0	.138	.081	.042	.119	.070	.036	.082	.049	.026	.048	.029	.015	.016	.010	.005	
9.0	.133	.076	.038	.114	.066	.033	.079	.046	.024	.046	.027	.014	.015	.009	.005	
10.0	.127	.072	.035	.110	.062	.031	.076	.044	.022	.044	.026	.013	.014	.009	.004	

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ILIEV
 Test Date:24 April 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_v1 SYSTEM V2.0.407.13
 Humidity:65.0%
 Test Distance:9.420m [K=1.0000]
 Remarks: PF=8.476%
 PST=0.108
 SVM=0.330
 EC=E

UGR(Unified Glare Rating) Table

Test:U:230.01V I:0.4390A P:94.324W PF:0.9341 Freq:49.99Hz Lamp Flux:13811.2x1 lm		
NAME: LED HIGHBAY	TYPE:SKU-7808	WEIGHT:
SPEC.:CCT-4000K	DIM.:	SERIAL No.:
MFR.: V-TAC EUROPE LTD	SUR.:	Shielding Angle:

ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	22.5	24.0	22.8	24.2	24.4	22.3	23.7	22.6	24.0	24.2
3H	23.2	24.5	23.5	24.7	25.0	22.9	24.2	23.2	24.5	24.7
4H	23.2	24.4	23.5	24.7	25.0	23.0	24.2	23.3	24.5	24.7
6H	23.2	24.3	23.5	24.6	24.9	22.9	24.1	23.3	24.4	24.7
8H	23.1	24.2	23.5	24.5	24.9	22.9	24.0	23.2	24.3	24.6
12H	23.1	24.1	23.4	24.5	24.8	22.8	23.9	23.2	24.2	24.6
4H 2H	22.9	24.1	23.2	24.4	24.7	22.7	23.9	23.0	24.2	24.5
3H	23.6	24.6	24.0	25.0	25.3	23.4	24.4	23.7	24.7	25.1
4H	23.7	24.6	24.1	25.0	25.3	23.5	24.4	23.9	24.8	25.1
6H	23.7	24.5	24.1	24.9	25.3	23.5	24.3	23.9	24.7	25.1
8H	23.6	24.4	24.1	24.8	25.2	23.5	24.2	23.9	24.6	25.0
12H	23.6	24.3	24.1	24.7	25.2	23.4	24.1	23.9	24.6	25.0
8H 4H	23.6	24.4	24.1	24.8	25.2	23.4	24.2	23.9	24.6	25.0
6H	23.7	24.3	24.1	24.7	25.2	23.5	24.1	24.0	24.6	25.0
8H	23.7	24.2	24.1	24.7	25.2	23.5	24.1	24.0	24.5	25.0
12H	23.6	24.1	24.1	24.6	25.1	23.5	24.0	24.0	24.4	24.9
12H 4H	23.6	24.3	24.1	24.7	25.2	23.4	24.1	23.9	24.5	25.0
6H	23.6	24.2	24.1	24.7	25.1	23.5	24.0	23.9	24.5	25.0
8H	23.6	24.1	24.1	24.6	25.1	23.5	24.0	24.0	24.4	24.9

Variations with the observer position at spacings:		
S = 1.0H	+ 0.3 / - 0.4	+ 0.3 / - 0.4
1.5H	+ 0.5 / - 0.7	+ 0.5 / - 0.7
2.0H	+ 0.7 / - 0.7	+ 0.7 / - 0.8

CIE Pub.117, 13811 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 9.1)
 Area: 0.023223 m2

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ILIEV
 Test Date:24 April 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_v1 SYSTEM V2.0.407.13
 Humidity:65.0%
 Test Distance:9.420m [K=1.0000]
 Remarks: PF-8.476%
 PST-0.108
 SVM-0.330
 EC=E

UTILIZATION FACTORS TABLE

Test:U:230.01V I:0.4390A P:94.324W PF:0.9341 Freq:49.99Hz Lamp Flux:13811.2x1 lm		
NAME: LED HIGHBAY	TYPE:SKU-7808	WEIGHT:
SPEC.:CCT-4000K	DIM.:	SERIAL No.:
MFR.: V-TAC EUROPE LTD	SUR.:	Shielding Angle:

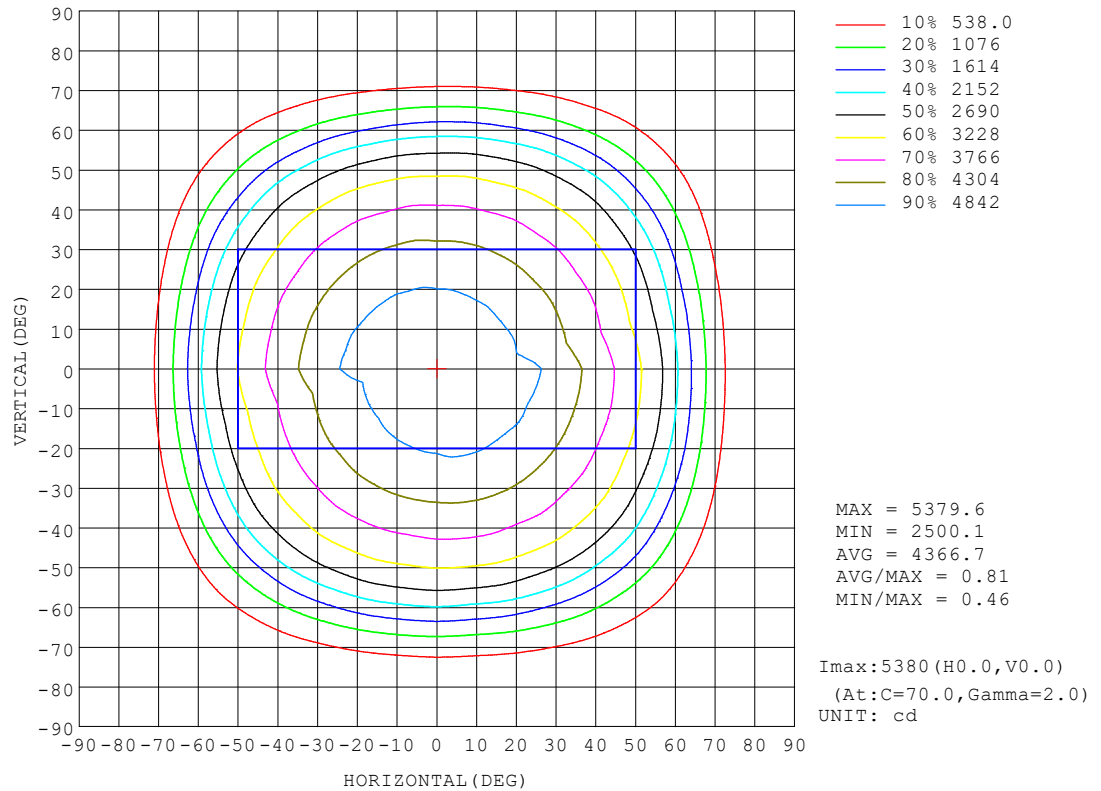
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	59	48	41	58	48	41	57	47	41	35
0.80	70	59	52	69	58	52	67	57	51	44
1.00	79	68	62	78	68	61	75	69	61	54
1.25	86	76	70	85	76	69	82	74	68	61
1.50	91	82	76	89	81	75	86	79	74	67
2.00	98	90	84	96	89	83	92	86	82	74
2.50	101	94	89	99	93	88	95	90	86	78
3.00	104	98	93	102	96	92	98	93	90	81
4.00	108	103	99	105	101	97	101	97	94	85
5.00	110	106	102	107	103	100	103	100	97	88
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ILIEV
 Test Date:24 April 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_v1 SYSTEM V2.0.407.13
 Humidity:65.0%
 Test Distance:9.420m [K=1.0000]
 Remarks: PF=8.476%
 PST=0.108
 SVM=0.330
 EC=E

ISOCANDELA DIAGRAM

Test:U:230.01V I:0.4390A P:94.324W PF:0.9341 Freq:49.99Hz Lamp Flux:13811.2x1 lm		
NAME: LED HIGHBAY	TYPE:SKU-7808	WEIGHT:
SPEC.:CCT-4000K	DIM.:	SERIAL No.:
MFR.: V-TAC EUROPE LTD	SUR.:	Shielding Angle:

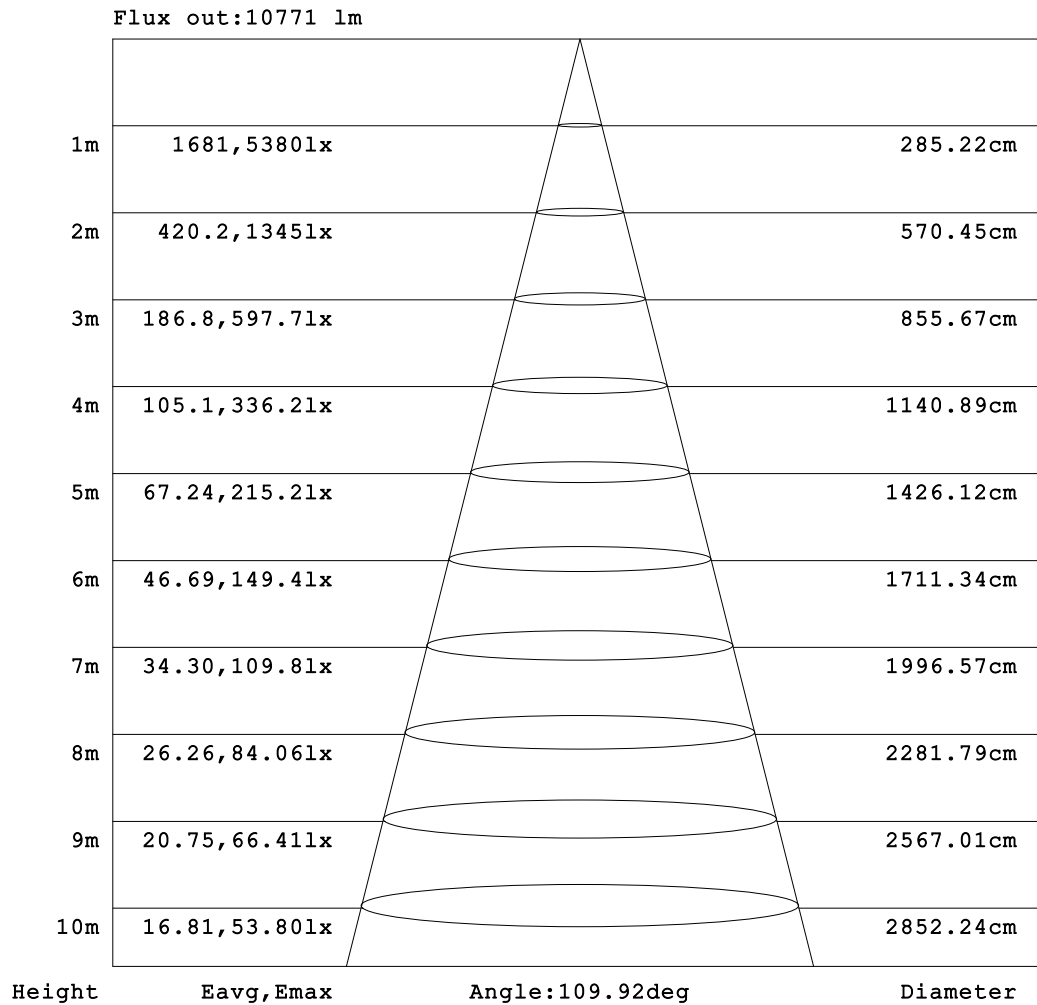


C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ILIEV
 Test Date:24 April 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_v1 SYSTEM V2.0.407.13
 Humidity:65.0%
 Test Distance:9.420m [K=1.0000]
 Remarks: PF-8.476%
 PST-0.108
 SVM-0.330
 EC=E

AAI Figure

Test:U:230.01V I:0.4390A P:94.324W PF:0.9341 Freq:49.99Hz Lamp Flux:13811.2x1 lm		
NAME: LED HIGHBAY	TYPE:SKU-7808	WEIGHT:
SPEC.:CCT-4000K	DIM.:	SERIAL No.:
MFR.: V-TAC EUROPE LTD	SUR.:	Shielding Angle:



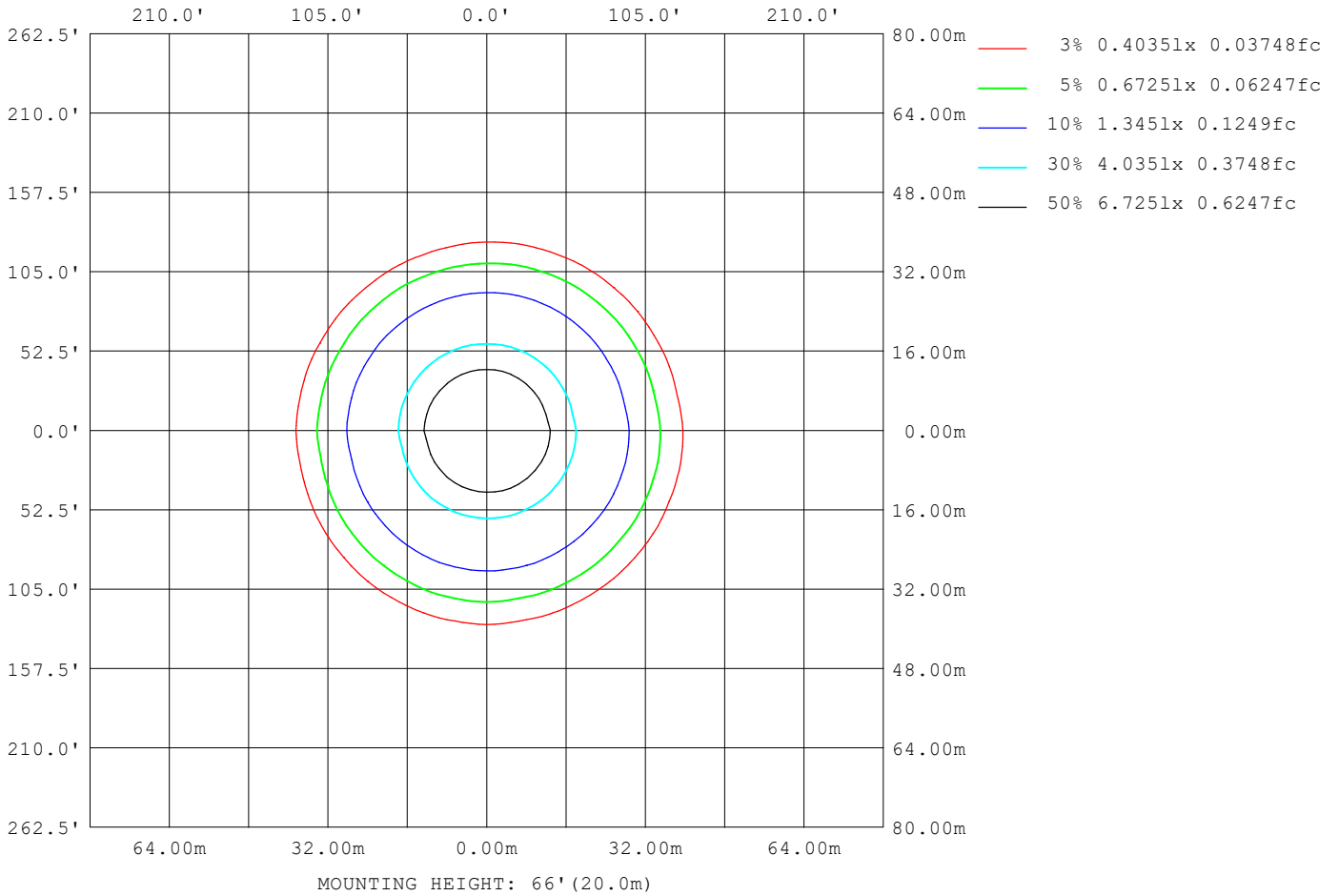
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ILIEV
 Test Date:24 April 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_v1 SYSTEM V2.0.407.13
 Humidity:65.0%
 Test Distance:9.420m [K=1.0000]
 Remarks: PF-8.476%
 PST-0.108
 SVM-0.330
 EC=E

ISOLUX DIAGRAM

Test:U:230.01V I:0.4390A P:94.324W PF:0.9341 Freq:49.99Hz Lamp Flux:13811.2x1 lm		
NAME: LED HIGHBAY	TYPE:SKU-7808	WEIGHT:
SPEC.:CCT-4000K	DIM.:	SERIAL No.:
MFR.: V-TAC EUROPE LTD	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ILIEV
 Test Date:24 April 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.407.13
 Humidity:65.0%
 Test Distance:9.420m [K=1.0000]
 Remarks: PF-8.476%
 PST-0.108
 SVM-0.330
 EC=E

LED Avg.L Report

Test:U:230.01V I:0.4390A P:94.324W PF:0.9341 Freq:49.99Hz Lamp Flux:13811.2x1 lm		
NAME: LED HIGHBAY	TYPE:SKU-7808	WEIGHT:
SPEC.:CCT-4000K	DIM.:	SERIAL No.:
MFR.: V-TAC EUROPE LTD	SUR.:	Shielding Angle:

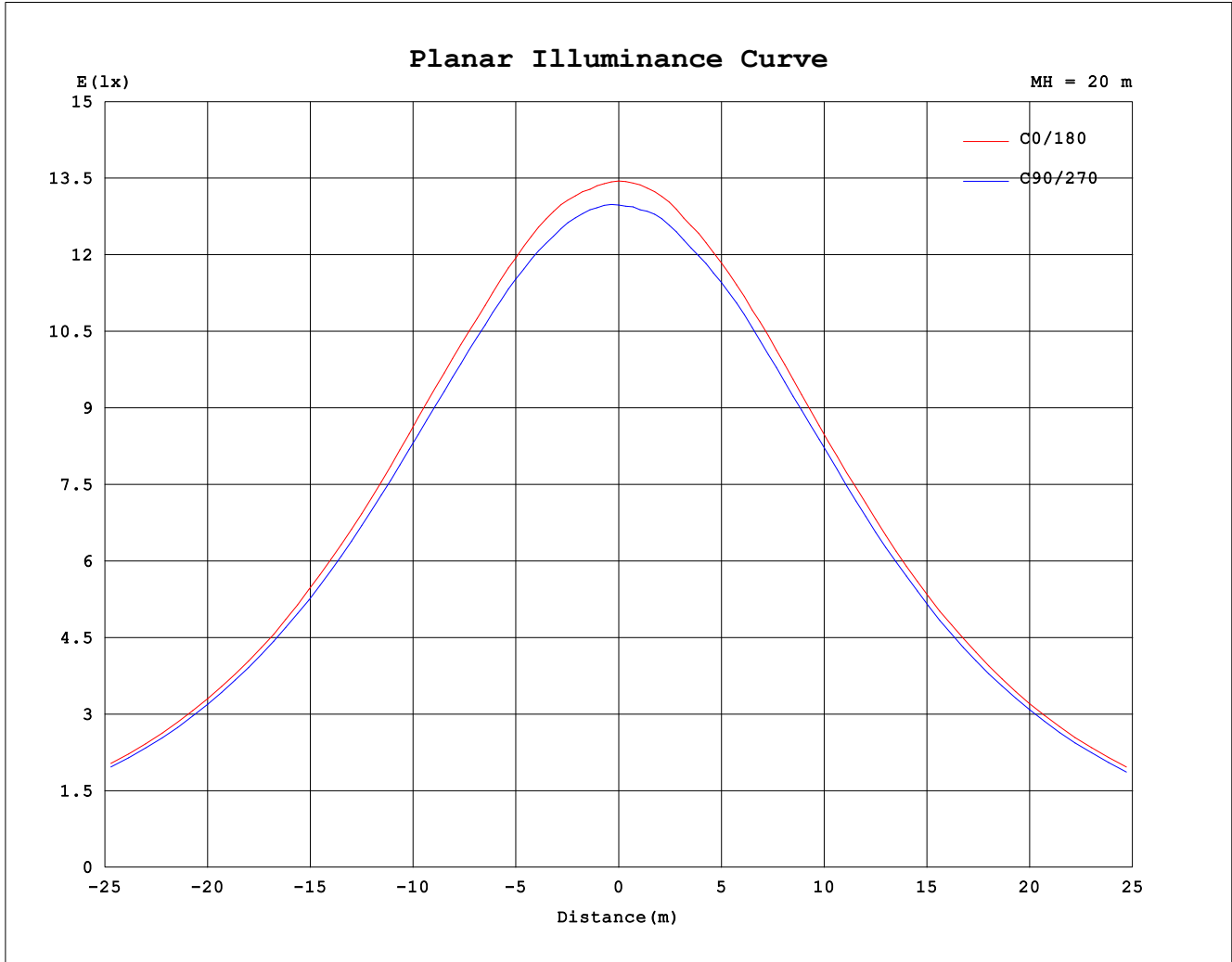
AvgL	cd/m2
L_0~180 (65) av	135375
L_0~180 (75) av	49737
L_0~180 (85) av	16528
L_90~270 (65) av	132685
L_90~270 (75) av	54082
L_90~270 (85) av	19147
L_45 (65) av	133047
L_45 (75) av	51147
L_45 (85) av	17780

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ILIEV
 Test Date:24 April 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.407.13
 Humidity:65.0%
 Test Distance:9.420m [K=1.0000]
 Remarks: PF-8.476%
 PST-0.108
 SVM-0.330
 EC=E

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operator: ILIEV
 Test Date: 24 April 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.407.13
 Humidity: 65.0%
 Test Distance: 9.420m [K=1.0000]
 Remarks: PF-8.476%
 PST-0.108
 SVM-0.330
 EC=E

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.01V I:0.4390A P:94.324W PF:0.9341 Freq:49.99Hz Lamp Flux:13811.2x1 lm		
NAME: LED HIGHBAY	TYPE:SKU-7808	WEIGHT:
SPEC.:CCT-4000K	DIM.:	SERIAL No.:
MFR.: V-TAC EUROPE LTD	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) \ y (DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	5226	5226	5226	5226	5226	5226	5226	5226	5226	5226	5226	5226	5226	5226	5226	5226	5226	5226	5226
5	5203	5208	5206	5208	5206	5200	5199	5216	5215	5217	5215	5211	5211	5202	5199	5204	5202	5203	5205
10	5169	5165	5163	5161	5154	5141	5148	5165	5158	5155	5154	5151	5157	5148	5136	5133	5132	5123	5115
15	5064	5064	5057	5063	5065	5054	5055	5069	5054	5062	5055	5055	5036	5035	5030	5032	5023	5027	5019
20	4919	4936	4924	4932	4930	4923	4923	4941	4927	4918	4912	4906	4902	4892	4873	4878	4874	4874	4880
25	4759	4753	4739	4760	4752	4749	4747	4755	4740	4745	4720	4725	4710	4709	4694	4692	4680	4684	4679
30	4516	4545	4539	4544	4537	4544	4517	4534	4524	4525	4512	4509	4481	4483	4462	4472	4459	4451	4454
35	4265	4271	4276	4271	4272	4274	4271	4274	4251	4257	4234	4235	4218	4217	4196	4207	4178	4188	4171
40	3951	3989	3977	4000	3969	3988	3964	3990	3957	3974	3955	3948	3925	3928	3891	3893	3875	3886	3878
45	3637	3660	3633	3660	3641	3657	3628	3652	3627	3639	3609	3611	3591	3597	3560	3570	3537	3549	3526
50	3258	3280	3267	3290	3272	3278	3253	3271	3245	3262	3231	3243	3217	3224	3177	3183	3149	3148	3154
55	2816	2832	2814	2831	2809	2805	2783	2803	2770	2795	2773	2784	2749	2744	2717	2717	2669	2667	2649
60	2185	2208	2192	2205	2163	2175	2147	2148	2102	2149	2123	2123	2083	2086	2057	2050	2005	1990	1976
65	1431	1456	1441	1453	1434	1431	1410	1409	1379	1407	1390	1385	1355	1341	1304	1291	1260	1248	1226
70	775	792	794	802	792	797	787	784	766	777	761	749	725	712	686	671	644	629	621
75	340	358	356	377	369	381	368	375	359	372	353	346	322	311	290	282	268	263	258
80	136	143	146	153	156	161	160	162	157	156	149	144	134	126	118	112	105	103	98.6
85	43.6	47.2	48.9	52.0	53.2	55.0	55.3	56.2	53.8	53.1	48.9	46.3	42.1	39.2	35.4	33.2	30.0	28.7	23.3
90	8.86	8.86	8.89	9.07	9.06	9.24	9.07	9.16	8.93	8.98	9.00	8.98	9.04	9.06	9.12	9.19	9.28	9.33	3.81
95	11.4	11.3	11.2	11.2	11.2	11.1	11.1	11.2	11.2	11.4	11.5	11.6	11.7	11.8	11.9	12.0	12.2	12.2	5.84
100	15.0	14.9	14.8	14.7	14.7	14.7	14.7	14.7	14.8	15.0	15.2	15.2	15.4	15.5	15.7	15.8	16.0	16.1	9.35
105	19.4	19.3	19.2	19.1	19.0	19.0	19.0	19.1	19.2	19.5	19.6	19.7	19.9	20.0	20.2	20.4	20.6	20.7	14.5
110	24.5	24.4	24.1	24.0	24.0	24.0	24.0	24.1	24.3	24.7	24.8	24.8	25.0	25.1	25.2	25.5	25.7	25.9	20.6
115	29.9	29.7	29.5	29.4	29.3	29.4	29.5	29.5	29.5	30.0	30.1	30.3	30.6	30.6	30.7	31.0	31.2	31.4	26.5
120	35.4	35.2	34.9	34.9	34.8	34.8	34.8	34.7	34.7	35.0	35.2	35.5	36.2	36.1	36.2	36.5	36.6	37.0	31.9
125	40.7	40.4	39.8	40.1	40.0	39.9	40.0	39.8	39.9	40.4	40.5	40.7	41.4	41.4	41.2	41.5	41.5	41.9	37.7
130	45.7	45.4	44.4	44.2	44.4	44.3	44.1	44.5	45.0	45.9	45.6	45.3	45.4	45.7	45.8	45.6	45.9	46.7	43.1
135	48.8	48.6	47.6	47.6	48.2	48.0	47.8	48.0	48.4	49.4	49.1	48.7	49.1	49.4	49.6	49.0	48.9	49.7	46.4
140	53.0	52.7	51.6	51.5	51.4	51.3	51.7	52.1	52.0	53.2	52.9	52.8	52.8	52.6	52.6	52.7	52.7	53.6	49.9
145	56.5	55.9	54.5	54.2	53.9	54.3	54.8	55.2	54.8	55.8	55.5	55.9	55.7	55.6	55.0	55.1	55.4	56.7	54.9
150	57.4	57.5	56.5	56.6	56.4	56.6	56.9	57.3	57.1	57.4	57.6	57.8	57.5	57.4	57.3	57.5	57.6	58.4	58.9
155	59.6	59.9	58.9	58.8	58.7	58.7	58.6	59.0	59.4	59.8	59.7	59.4	59.1	59.1	59.3	59.5	60.0	60.9	63.4
160	62.8	62.7	62.3	62.0	61.3	61.1	61.0	61.2	62.0	62.3	62.4	61.6	61.3	61.3	61.9	62.6	63.2	63.5	65.7
165	65.3	65.8	65.3	64.6	63.2	63.3	63.7	64.5	64.9	65.2	64.9	64.5	63.6	63.4	63.6	65.2	66.1	66.4	67.6
170	66.4	66.8	66.0	65.5	65.5	65.9	66.3	66.6	66.7	66.7	66.4	66.2	65.8	65.5	65.8	66.5	66.8	67.1	67.8
175	68.7	68.8	68.5	69.1	69.4	69.6	69.2	69.3	69.2	69.2	68.8	68.8	68.9	69.5	69.3	69.0	69.1	68.8	68.9
180	70.3	70.6	70.6	71.1	70.9	70.8	70.6	70.8	70.3	70.0	69.8	70.3	70.5	70.3	69.9	69.9	70.0	69.7	70.7

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ILIEV
 Test Date:24 April 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_v1 SYSTEM V2.0.407.13
 Humidity:65.0%
 Test Distance:9.420m [K=1.0000]
 Remarks: PF-8.476%
 PST-0.108
 SVM-0.330
 EC=E

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.01V I:0.4390A P:94.324W PF:0.9341 Freq:49.99Hz Lamp Flux:13811.2x1 lm		
NAME: LED HIGHBAY	TYPE:SKU-7808	WEIGHT:
SPEC.:CCT-4000K	DIM.:	SERIAL No.:
MFR.: V-TAC EUROPE LTD	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C (DEG) \ y (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	5226	5226	5226	5226	5226	5226	5226	5226	5226	5226	5226	5226	5226	5226	5226	5226	5226		
5	5202	5205	5197	5201	5197	5193	5200	5204	5212	5211	5206	5207	5209	5198	5209	5210	5206		
10	5109	5115	5123	5119	5126	5124	5123	5120	5117	5122	5141	5151	5153	5137	5163	5162	5160		
15	5010	5010	5007	5013	5001	5020	5020	5026	5032	5026	5032	5040	5055	5035	5052	5062	5065		
20	4863	4864	4857	4856	4859	4862	4873	4872	4876	4885	4884	4883	4897	4889	4909	4933	4925		
25	4685	4683	4664	4668	4669	4665	4671	4682	4693	4690	4696	4701	4726	4718	4737	4748	4739		
30	4429	4434	4431	4432	4419	4447	4448	4447	4451	4459	4481	4479	4487	4474	4505	4505	4522		
35	4159	4170	4149	4163	4156	4165	4144	4173	4180	4186	4187	4205	4228	4215	4247	4260	4253		
40	3852	3865	3839	3851	3837	3858	3839	3862	3857	3883	3875	3911	3902	3923	3927	3964	3949		
45	3509	3512	3503	3502	3478	3495	3492	3510	3520	3534	3533	3552	3567	3581	3589	3622	3621		
50	3112	3113	3091	3102	3087	3107	3089	3112	3115	3148	3141	3176	3175	3195	3225	3242	3237		
55	2619	2626	2581	2581	2564	2571	2574	2594	2611	2655	2667	2702	2711	2748	2749	2798	2799		
60	1934	1931	1894	1896	1870	1883	1861	1886	1926	1969	1986	2028	2046	2094	2114	2156	2161		
65	1195	1189	1164	1157	1146	1152	1148	1159	1197	1230	1235	1278	1300	1334	1360	1401	1414		
70	602	603	592	599	591	593	594	602	624	639	648	664	674	700	713	741	753		
75	255	257	256	260	259	266	267	270	279	285	288	292	290	298	300	313	320		
80	97.1	98.5	98.3	101	102	106	106	109	110	113	113	115	115	117	116	121	125		
85	22.5	22.8	21.8	22.4	21.8	22.8	22.4	24.1	24.4	26.1	26.4	28.9	29.4	31.4	32.2	34.6	36.2		
90	3.85	3.88	3.90	3.91	3.90	3.88	3.87	3.82	3.86	3.79	3.73	3.65	3.60	3.51	3.46	3.41	3.42		
95	5.91	5.93	5.98	5.97	5.99	5.94	5.90	5.80	5.87	5.74	5.66	5.49	5.41	5.25	5.19	5.06	5.00		
100	9.43	9.46	9.52	9.50	9.48	9.38	9.34	9.20	9.31	9.14	9.02	8.80	8.66	8.43	8.32	8.14	8.04		
105	14.5	14.5	14.5	14.4	14.4	14.3	14.2	14.1	14.2	14.0	13.9	13.6	13.4	13.1	13.0	12.8	12.7		
110	20.5	20.4	20.3	20.2	20.1	19.9	19.9	19.8	20.1	19.8	19.6	19.3	19.2	18.8	18.8	18.5	18.5		
115	26.4	26.3	26.3	26.1	25.9	25.8	25.7	25.6	26.0	25.6	25.3	25.1	24.9	24.7	24.7	24.4	24.4		
120	32.0	32.0	31.8	31.6	31.4	31.5	31.5	31.6	31.9	31.6	31.1	30.7	30.4	30.2	30.3	30.2	30.1		
125	37.4	37.0	36.5	36.5	36.5	36.5	36.5	37.0	37.8	37.0	36.1	35.5	35.4	35.1	35.0	35.2	35.5		
130	42.2	41.3	40.8	41.0	40.8	40.8	40.9	41.5	41.8	41.3	40.3	39.6	39.6	39.4	39.2	39.3	40.3		
135	45.9	45.5	45.2	45.3	45.3	45.2	44.9	44.8	45.2	44.4	44.3	43.9	43.5	43.4	43.3	43.1	43.6		
140	49.9	50.1	49.8	49.4	49.4	49.4	49.0	48.5	48.1	48.0	48.4	48.1	47.3	46.9	47.2	47.2	47.5		
145	54.5	54.6	54.1	53.7	53.2	52.9	52.8	52.4	52.6	52.2	52.3	51.8	51.2	50.8	50.9	51.2	51.8		
150	58.3	58.9	58.5	57.9	57.2	56.4	56.2	56.4	57.2	56.3	55.7	55.9	55.8	55.3	55.5	55.4	55.1		
155	62.8	62.6	62.2	61.8	61.0	60.4	59.9	59.4	59.9	59.1	59.2	59.7	60.1	60.0	59.5	59.6	59.3		
160	64.8	64.9	64.2	64.4	63.7	63.0	62.4	62.4	61.2	61.6	61.5	62.1	62.9	63.0	62.7	62.7	62.6		
165	66.8	66.6	66.0	65.8	65.2	64.4	64.4	64.3	64.1	63.9	63.7	63.5	64.0	64.3	64.7	64.8	65.3		
170	67.4	67.5	67.0	67.1	66.4	66.2	66.3	65.7	65.4	65.5	65.9	65.4	65.2	65.2	65.2	65.3	65.5		
175	68.8	69.7	69.7	69.5	69.0	68.8	68.7	68.1	67.4	67.6	68.3	68.4	67.9	67.4	67.5	67.4	67.1		
180	70.1	70.9	70.9	71.1	70.7	70.7	70.8	70.4	70.0	69.9	70.3	70.6	70.3	69.9	69.8	70.0	69.6		

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ILIEV
 Test Date:24 April 2023

y Range: 0 - 180DEG
 y Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_v1 SYSTEM V2.0.407.13
 Humidity:65.0%
 Test Distance:9.420m [K=1.0000]
 Remarks: PF=8.476%
 PST=0.108
 SVM=0.330
 EC=E