

GONIOPHOTOMETERS SYSTEM TEST REPORT

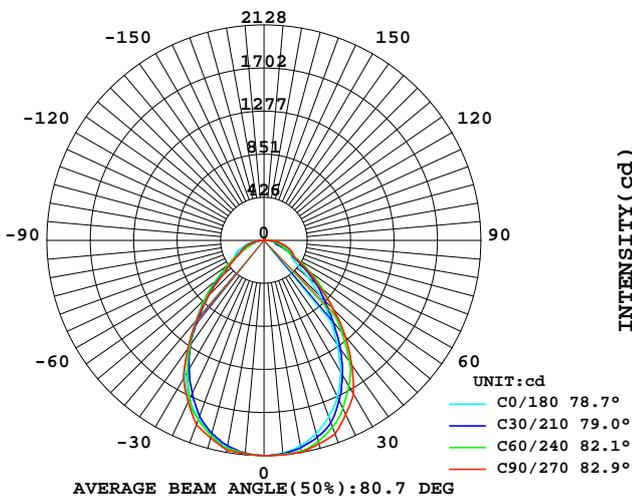
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number: 18040913

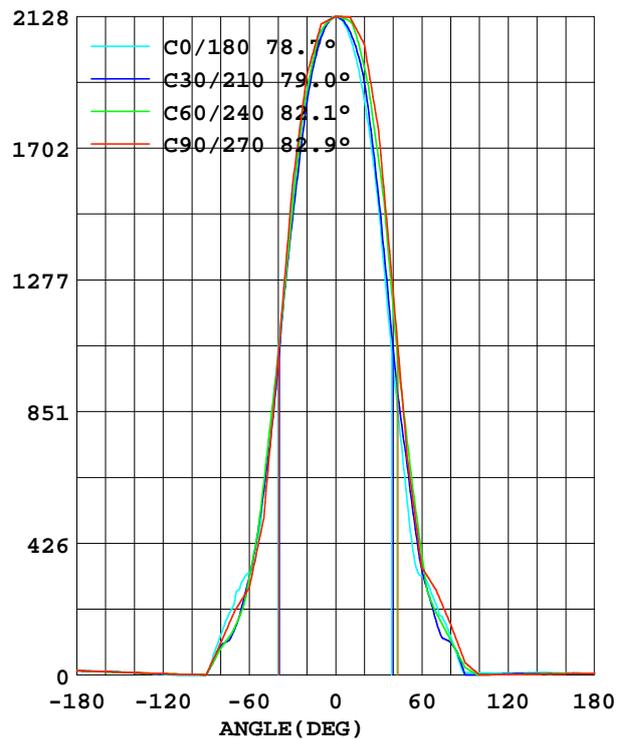
MANUFACTURER: SGSLight Limited	Address:	
NAME: TLP-30120-36-NW-110-UGR	TYPE:LED Panel Light	WEIGHT:
SPECIFICATION:4000K CRI>80	DIMENSION: 1196x296mm	SERIAL No.:18040913

DATA OF LAMP		I _{max} (cd)	2128	S/MH(C0/180)	1.11
MODEL	4000K	EFFICIENCY(%)	100.0	S/MH(C90/270)	1.12
NOMINAL POWER(W)	36	TOTAL FLUX(lm)	4023.5	Voltage(V)	218.8
RATED VOLTAGE(V)	219	EFFICIENCY(lm/W)	111.4	Current(A)	0.160
NOMINAL FLUX(lm)	4023.6	η up(%)	0.8	Power(W)	36.13
LAMPS QUANTITY	1	η down(%)	99.2	Power Factor(PF)	0.970
TEST VOLTAGE(V)	218.9	Effective Flux(lm)	3735.3	EEI	0.132

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:Jason
 Test Date:2018.4.9

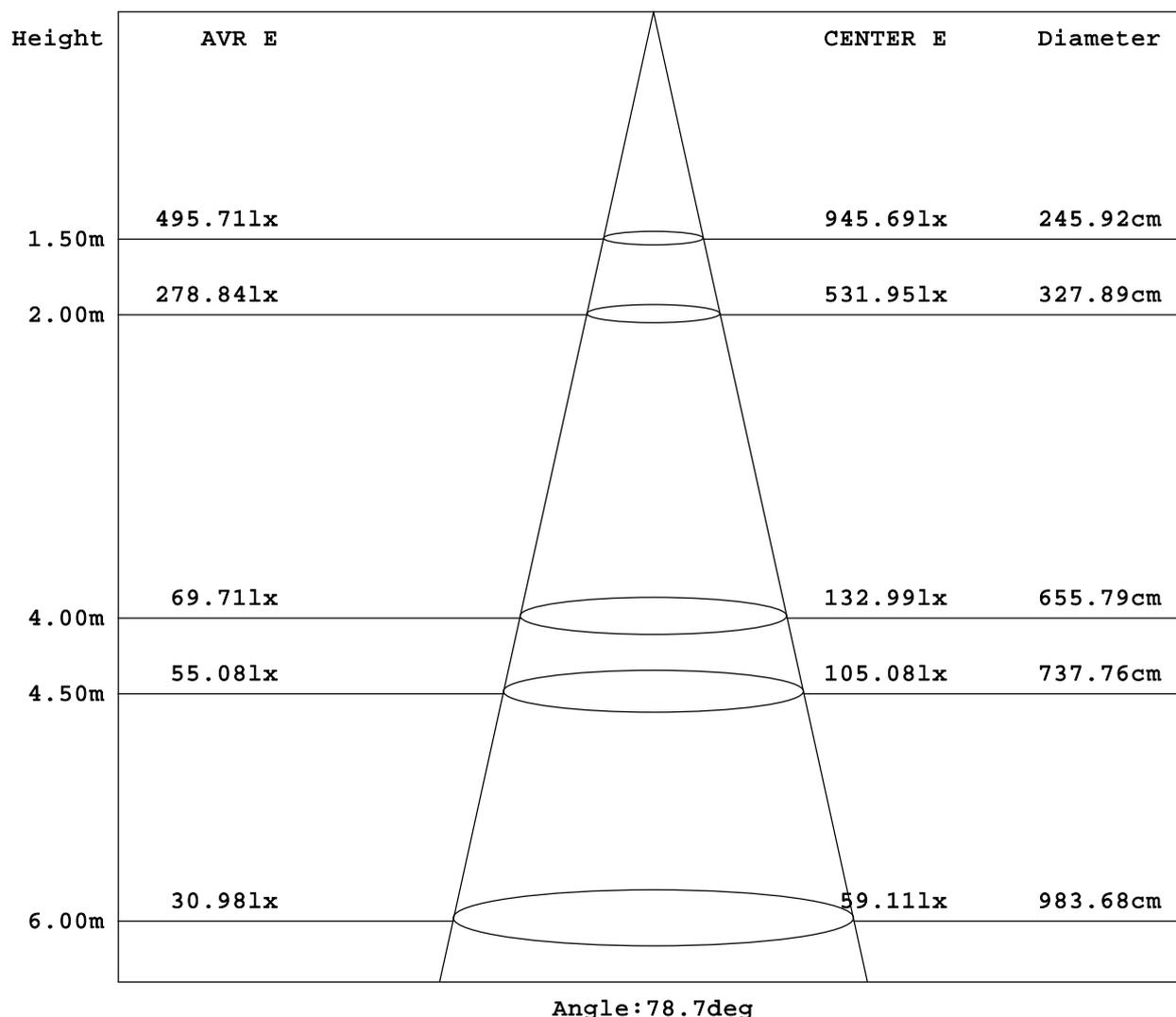
Test Set: 10.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

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AVERAGE AND CENTER E Figure

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ZONAL FLUX DIAGRAM

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MANUFACTURER: SGSLight Limited		Address:	
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γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	zone	total
5.0	2115	2109	2115	2111	2113	2119	2127	2119	0- 5	50.70	50.70
10.0	2071	2068	2103	2076	2060	2095	2126	2091	5- 10	150.2	200.9
15.0	1996	1992	2021	2010	1978	2043	2082	2035	10- 15	243.3	444.3
20.0	1879	1854	1939	1873	1860	1922	2038	1935	15- 20	323.5	767.9
25.0	1727	1694	1760	1713	1700	1771	1898	1811	20- 25	385.1	1153
30.0	1545	1480	1582	1508	1507	1579	1757	1630	25- 30	421.4	1575
35.0	1304	1216	1302	1266	1254	1354	1499	1396	30- 35	428.2	2003
40.0	1038	964.0	1023	1027	998.1	1128	1242	1144	35- 40	402.0	2405
45.0	813.6	783.0	763.9	834.3	776.2	898.8	970.7	931.6	40- 45	356.4	2761
50.0	595.4	606.9	505.3	662.5	557.1	693.4	699.9	761.4	45- 50	301.2	3063
55.0	394.0	395.5	393.6	447.6	366.8	481.2	524.0	544.8	50- 55	241.2	3304
60.0	331.8	223.5	281.8	262.7	320.3	300.5	348.1	346.1	55- 60	186.1	3490
65.0	301.3	165.7	245.1	170.7	287.0	197.4	311.0	221.0	60- 65	144.4	3634
70.0	239.4	142.6	208.5	141.2	226.3	159.5	273.9	159.7	65- 70	116.8	3751
75.0	187.8	141.9	155.5	150.8	180.2	158.7	218.9	154.7	70- 75	93.19	3844
80.0	127.5	91.75	102.5	107.9	125.5	124.1	164.0	133.2	75- 80	73.56	3918
85.0	64.59	42.64	51.54	56.34	56.29	73.46	102.2	96.29	80- 85	50.74	3969
90.0	1.200	0.500	0.600	0.700	6.000	9.700	40.50	38.90	85- 90	23.00	3992
95.0	0	1.275	1.050	0.982	7.300	3.121	20.50	11.95	90- 95	5.664	3997
100.0	0	1.874	1.500	1.774	6.600	0.660	0.500	0.660	95-100	1.822	3999
105.0	0	2.352	2.300	2.928	6.600	1.168	0.800	0.599	100-105	0.975	4000
110.0	0	2.806	3.100	4.030	5.900	1.851	1.100	0.772	105-110	1.233	4001
115.0	1.600	3.472	3.900	5.078	6.700	2.406	1.400	0.834	110-115	1.472	4003
120.0	2.400	4.008	4.700	6.069	6.700	2.930	1.700	0.892	115-120	1.686	4005
125.0	4.000	4.724	5.500	7.102	6.000	3.424	2.000	0.947	120-125	1.854	4006
130.0	5.600	5.587	6.300	7.979	6.800	3.889	2.300	1.378	125-130	1.989	4008
135.0	6.400	6.520	7.099	8.805	7.500	4.326	2.600	1.494	130-135	2.079	4011
140.0	8.000	7.024	7.900	9.667	7.500	4.245	2.900	1.599	135-140	2.134	4013
145.0	8.799	8.039	8.700	10.42	7.500	4.653	3.200	2.646	140-145	2.105	4015
150.0	10.40	9.113	9.500	11.15	7.500	4.445	3.500	2.811	145-150	2.015	4017
155.0	11.20	9.627	10.29	11.89	6.700	5.340	3.800	3.348	150-155	1.857	4019
160.0	12.00	10.77	11.09	12.54	6.000	4.992	4.100	3.778	155-160	1.648	4020
165.0	12.80	11.29	11.90	12.58	5.300	5.563	4.400	3.963	160-165	1.374	4022
170.0	12.80	11.84	12.69	13.16	6.800	5.502	4.700	4.834	165-170	1.036	4023
175.0	13.60	13.06	13.49	13.73	5.300	5.087	5.000	5.087	170-175	0.653	4023
180.0	14.29	14.29	14.29	14.29	5.300	5.300	5.300	5.300	175-180	0.228	4024
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

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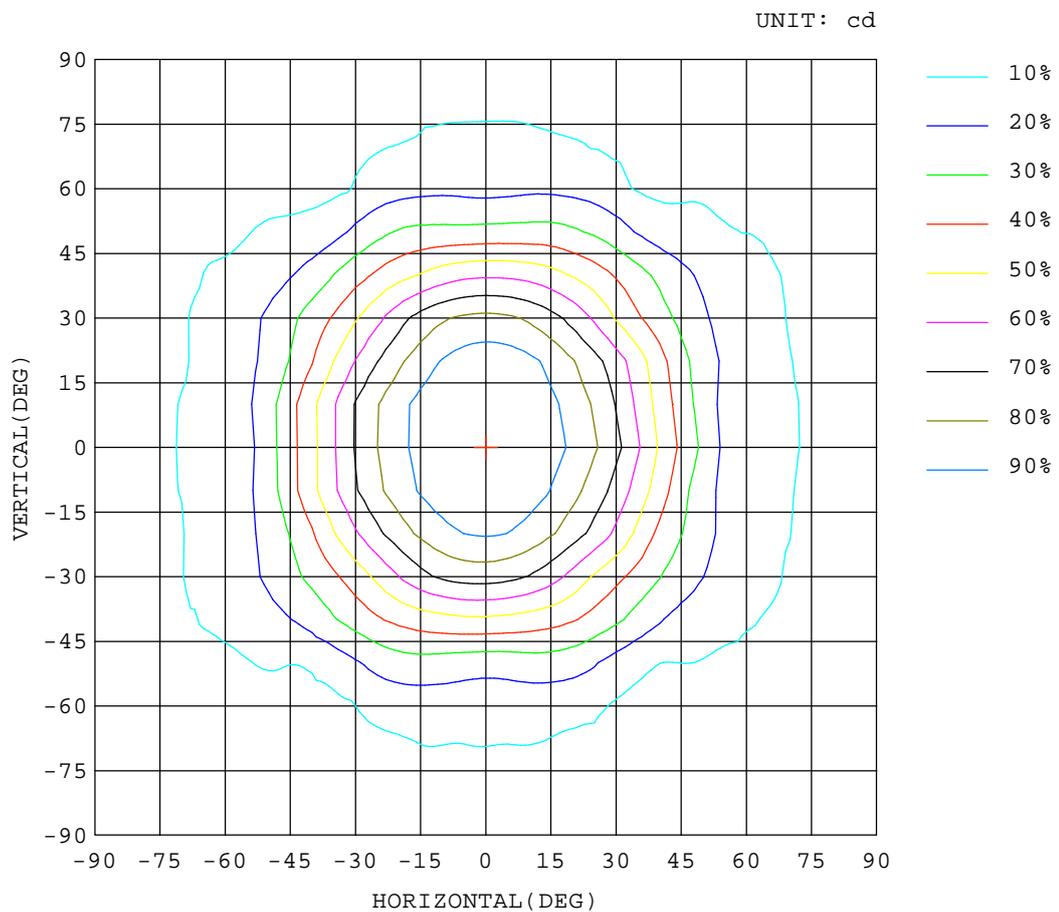
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ISOCANDELA DIAGRAM

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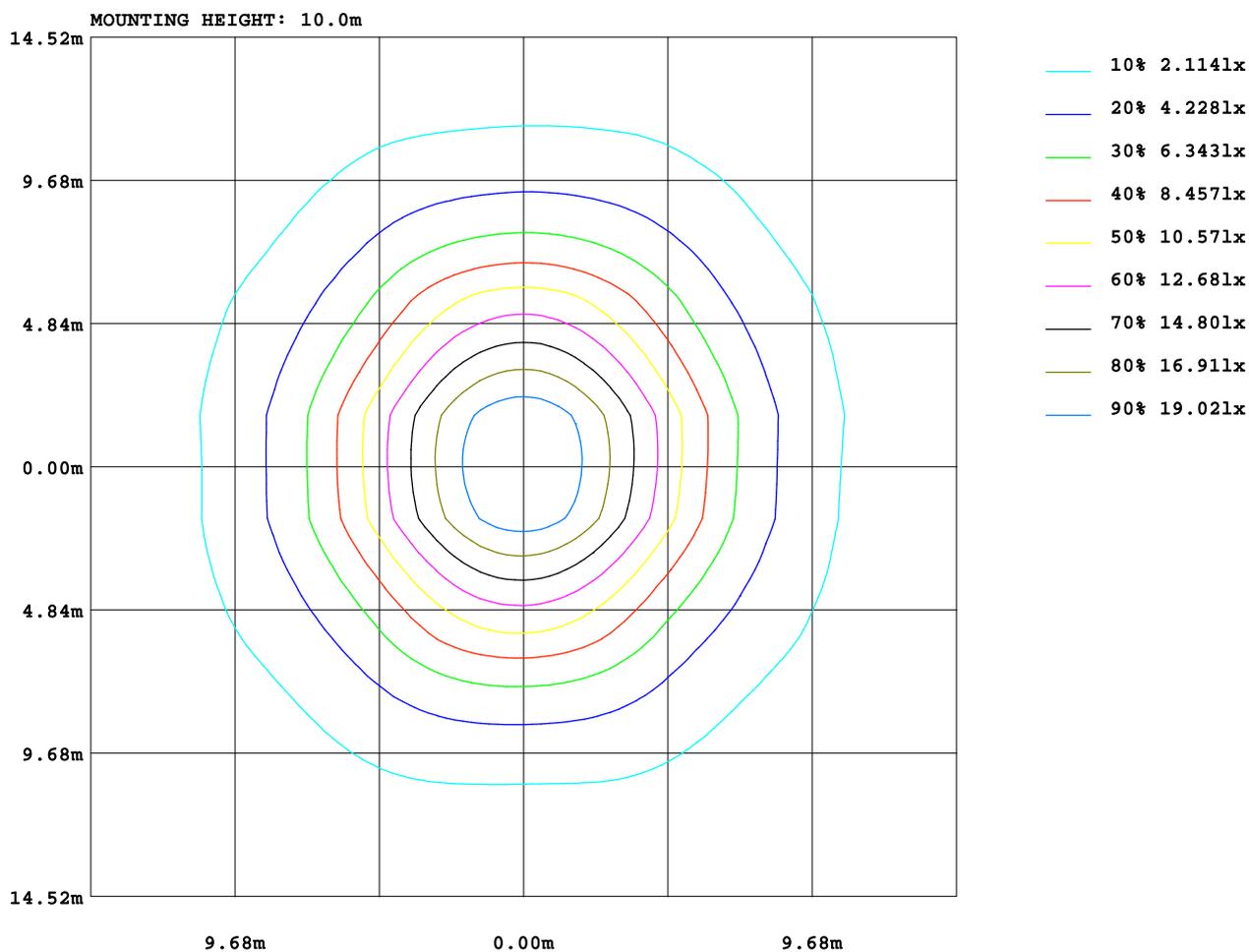
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ISOLUX DIAGRAM

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Uncorrected UGR Table

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MANUFACTURER: SGSLight Limited					Address:					
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SPECIFICATION:4000K CRI>80					DIMENSION: 1196x296mm			SERIAL No.:18040913		
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	14.4	15.7	14.6	15.9	16.1	14.2	15.5	14.5	15.7	16.0
3H	15.6	16.8	15.9	17.1	17.3	15.2	16.4	15.5	16.6	16.9
4H	16.2	17.3	16.5	17.6	17.9	15.7	16.9	16.0	17.1	17.4
6H	16.7	17.8	17.0	18.1	18.4	16.2	17.3	16.5	17.6	17.9
8H	16.9	18.0	17.3	18.2	18.5	16.4	17.4	16.7	17.7	18.0
12H	17.0	18.0	17.4	18.3	18.7	16.5	17.5	16.9	17.8	18.2
4H 2H	14.5	15.6	14.8	15.9	16.1	14.3	15.5	14.6	15.7	16.0
3H	15.8	16.8	16.2	17.1	17.5	15.5	16.5	15.8	16.8	17.1
4H	16.6	17.5	16.9	17.8	18.1	16.1	17.1	16.5	17.4	17.7
6H	17.3	18.1	17.7	18.5	18.8	16.8	17.6	17.2	18.0	18.4
8H	17.6	18.3	18.0	18.7	19.1	17.1	17.9	17.5	18.2	18.6
12H	17.8	18.5	18.2	18.9	19.3	17.3	18.0	17.8	18.4	18.8
8H 4H	16.7	17.4	17.1	17.8	18.2	16.3	17.1	16.7	17.4	17.8
6H	17.5	18.2	18.0	18.6	19.0	17.1	17.8	17.6	18.2	18.6
8H	17.9	18.5	18.4	18.9	19.4	17.5	18.1	18.0	18.5	19.0
12H	18.2	18.7	18.7	19.2	19.7	17.9	18.4	18.4	18.8	19.3
12H 4H	16.7	17.4	17.1	17.8	18.2	16.3	17.0	16.7	17.4	17.8
6H	17.6	18.1	18.0	18.6	19.0	17.2	17.7	17.6	18.2	18.6
8H	18.0	18.5	18.5	18.9	19.4	17.6	18.1	18.1	18.5	19.0
Variations with the observer position at spacings:										
S = 1.0H	+ 0.4 / - 0.5					+ 0.4 / - 0.6				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.6				
2.0H	+ 0.8 / - 0.5					+ 0.9 / - 0.8				

CIE Pub.117 Corrected 4024 lm Total Lamp Luminous Flux. (8log(F/F0) = 4.8)

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