

GONIOPHOTOMETERS SYSTEM TEST REPORT

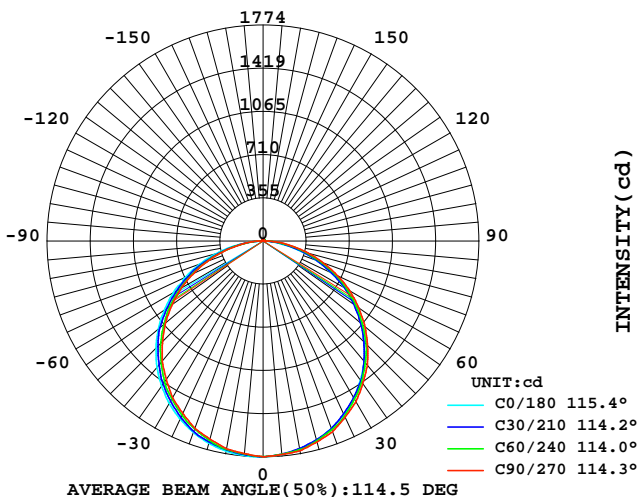
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number: 2017122703

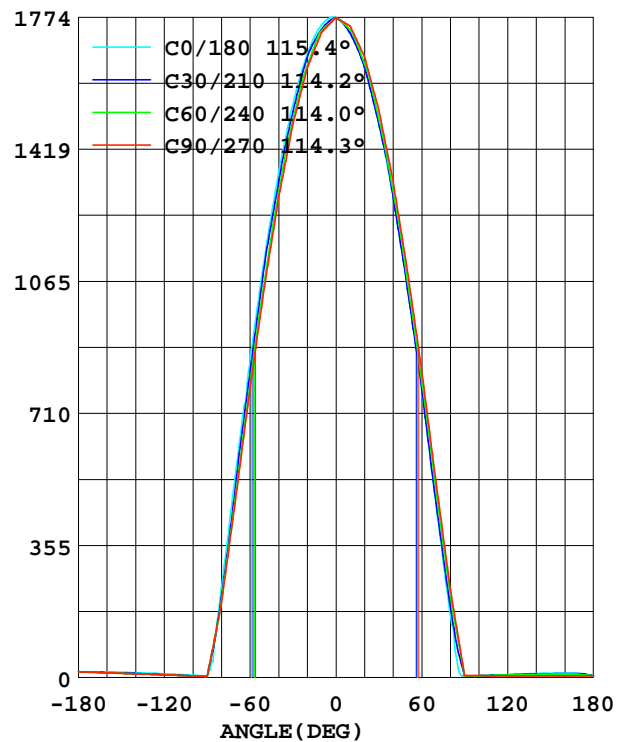
MANUFACTURER: SGSLight Limited	Address:		
NAME: TLP-30120-48-NW-115	TYPE:LED Panel Light	WEIGHT:	
SPECIFICATION:4000K CRI>80	DIMENSION: 296x1196 mm	SERIAL No.:2017122703	

DATA OF LAMP		Imax(cd)	1774	S/MH(C0/180)	1.29
MODEL	4000K	EFFICIENCY(%)	100.0	S/MH(C90/270)	1.25
NOMINAL POWER(W)	48	TOTAL FLUX(lm)	5207.5	Voltage(V)	229.0
RATED VOLTAGE(V)	230	EFFICIENCY(lm/W)	112.0	Current(A)	0.342
NOMINAL FLUX(lm)	5207.6	η up(%)	0.8	Power(W)	46.50
LAMPS QUANTITY	1	η down(%)	99.2	Power Factor(PF)	0.943
TEST VOLTAGE(V)	229.0	Effective Flux(lm)	5207.5	EEL	0.122

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOPPO HPG1900
 Temperature:25.3DEG
 Operators:Jason
 Test Date:2017-12-27

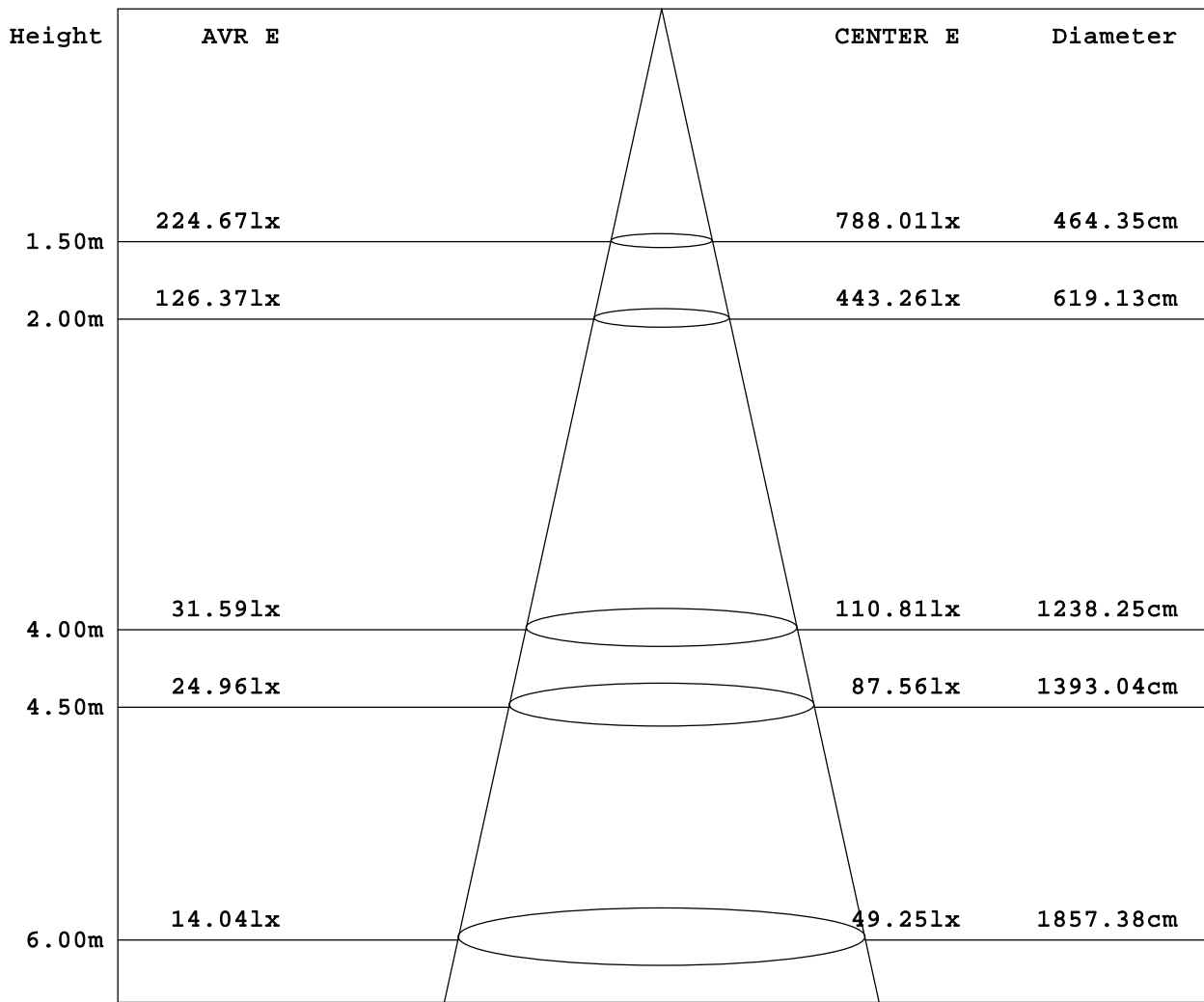
Test Set: 7.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:7.000 m
 Remarks:

GONIOPHOTOMETERS SYSTEM TEST REPORT

AVERAGE AND CENTER E Figure

Report number: 2017122703

MANUFACTURER: SGSLight Limited	Address:	
NAME: TLP-30120-48-NW-115	TYPE:LED Panel Light	WEIGHT:
SPECIFICATION:4000K CRI>80	DIMENSION: 296x1196 mm	SERIAL No.:2017122703



Angle:114.3deg

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:Jason
 Test Date:2017-12-27

Test Set: 7.0deg/s B-Beta (TYPE B)
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ZONAL FLUX DIAGRAM

Report number: 2017122703

MANUFACTURER: SGSLight Limited	Address:	
NAME: TLP-30120-48-NW-115	TYPE:LED Panel Light	WEIGHT:
SPECIFICATION:4000K CRI>80	DIMENSION: 296x1196 mm	SERIAL No.:2017122703

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	zone	total
5.0	1770	1760	1753	1752	1761	1758	1762	1766	0- 5	42.19	42.19
10.0	1754	1739	1734	1723	1735	1734	1750	1752	5- 10	125.1	167.3
15.0	1721	1708	1686	1682	1693	1698	1709	1726	10- 15	204.0	371.3
20.0	1675	1651	1638	1622	1639	1641	1668	1674	15- 20	276.0	647.4
25.0	1615	1588	1563	1559	1570	1579	1597	1617	20- 25	339.2	986.7
30.0	1542	1510	1487	1477	1491	1498	1525	1542	25- 30	391.1	1378
35.0	1453	1420	1388	1379	1395	1401	1430	1454	30- 35	430.3	1808
40.0	1357	1325	1288	1277	1292	1298	1334	1361	35- 40	455.1	2263
45.0	1244	1205	1168	1163	1175	1182	1214	1243	40- 45	465.3	2729
50.0	1125	1080	1049	1046	1049	1062	1094	1121	45- 50	459.5	3188
55.0	991.0	947.3	912.3	907.0	926.8	920.8	959.7	989.5	50- 55	438.8	3627
60.0	851.0	812.7	776.0	768.9	774.0	780.1	825.2	852.4	55- 60	403.5	4031
65.0	704.7	655.8	628.6	630.2	618.5	635.9	675.3	697.5	60- 65	354.7	4385
70.0	551.8	501.5	481.2	485.6	465.2	491.7	525.5	543.0	65- 70	293.7	4679
75.0	391.2	351.3	339.9	337.4	310.5	341.5	381.8	390.0	70- 75	224.5	4904
80.0	241.0	211.5	198.7	206.2	167.2	209.5	238.1	247.5	75- 80	152.4	5056
85.0	95.71	94.30	100.8	94.12	36.67	96.49	121.7	121.6	80- 85	83.67	5140
90.0	7.671	3.167	3.068	3.217	4.107	4.256	5.295	13.01	85- 90	27.26	5167
95.0	5.147	3.900	3.761	4.019	4.553	4.745	5.246	8.976	90- 95	2.818	5170
100.0	6.483	4.622	4.454	4.810	4.899	5.226	5.196	4.926	95-100	2.725	5173
105.0	6.929	5.324	5.147	5.579	5.246	5.694	5.147	0.700	100-105	2.596	5175
110.0	8.215	6.133	5.840	6.402	7.027	6.174	5.097	0	105-110	2.505	5178
115.0	9.502	6.804	6.533	7.135	7.176	6.693	5.048	0	110-115	2.634	5180
120.0	9.948	7.485	7.225	8.021	8.116	7.165	4.998	0	115-120	2.774	5183
125.0	11.23	8.326	7.918	8.700	9.502	7.748	4.949	0	120-125	2.878	5186
130.0	11.68	9.239	8.611	9.339	9.552	8.156	4.899	0	125-130	2.925	5189
135.0	12.52	9.890	9.304	10.43	10.49	8.270	4.850	0	130-135	2.904	5192
140.0	12.96	10.45	9.997	11.04	10.88	8.904	4.800	0	135-140	2.833	5195
145.0	13.41	11.01	10.69	11.62	11.33	9.270	4.751	0	140-145	2.696	5197
150.0	14.25	11.84	11.38	12.17	10.88	9.910	4.701	0	145-150	2.495	5200
155.0	14.25	12.53	12.07	12.70	11.33	10.15	4.652	0	150-155	2.234	5202
160.0	14.69	13.16	12.76	13.21	11.77	10.29	4.602	0	155-160	1.924	5204
165.0	15.09	14.05	13.46	14.05	11.43	10.28	4.553	0	160-165	1.557	5206
170.0	15.54	14.55	14.15	14.55	11.08	9.905	4.503	0	165-170	1.152	5207
175.0	15.54	15.05	14.84	15.05	9.156	7.442	4.454	0	170-175	0.697	5207
180.0	15.54	15.54	15.54	15.54	4.404	4.404	4.404	4.404	175-180	0.230	5208
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:Jason
 Test Date:2017-12-27

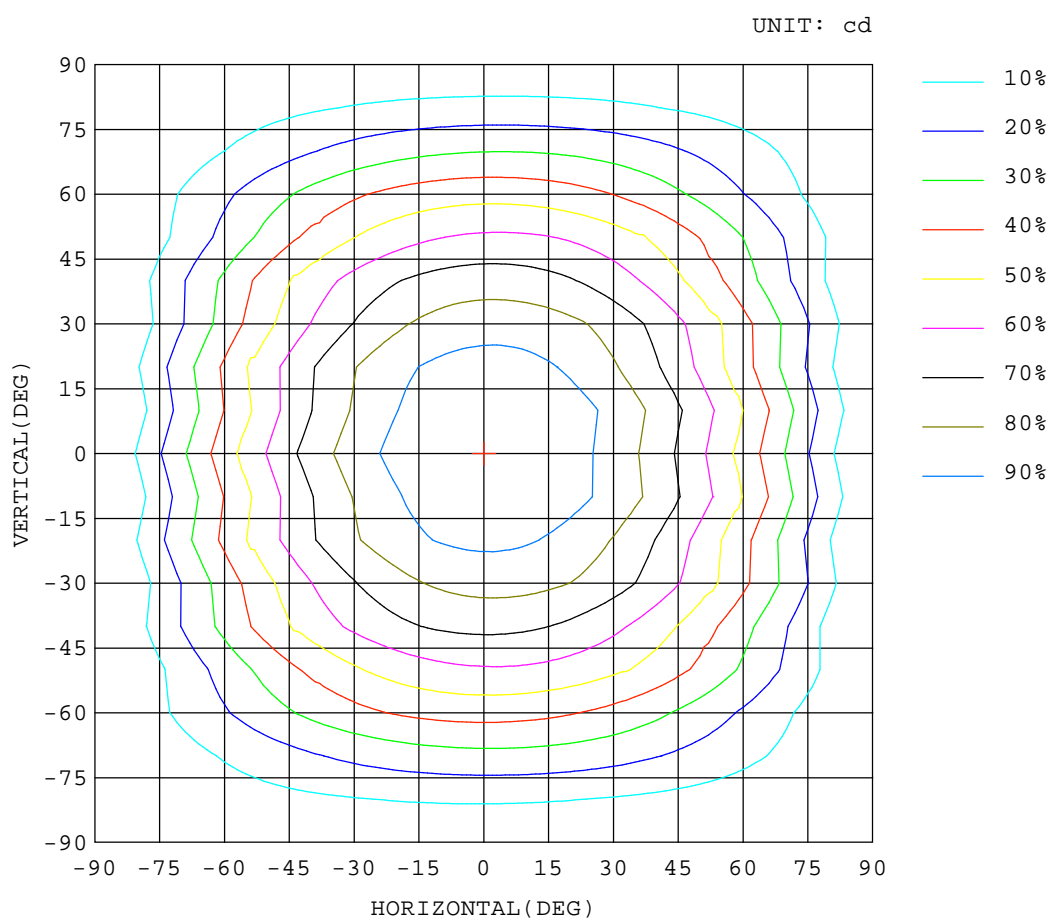
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 Remarks:

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ISOCANDELA DIAGRAM

Report number: 2017122703

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NAME: TLP-30120-48-NW-115	TYPE:LED Panel Light	WEIGHT:
SPECIFICATION:4000K CRI>80	DIMENSION: 296x1196 mm	SERIAL No.:2017122703



Test System:HOP00 HPG1900
Temperature:25.3DEG
Operators:Jason
Test Date:2017-12-27

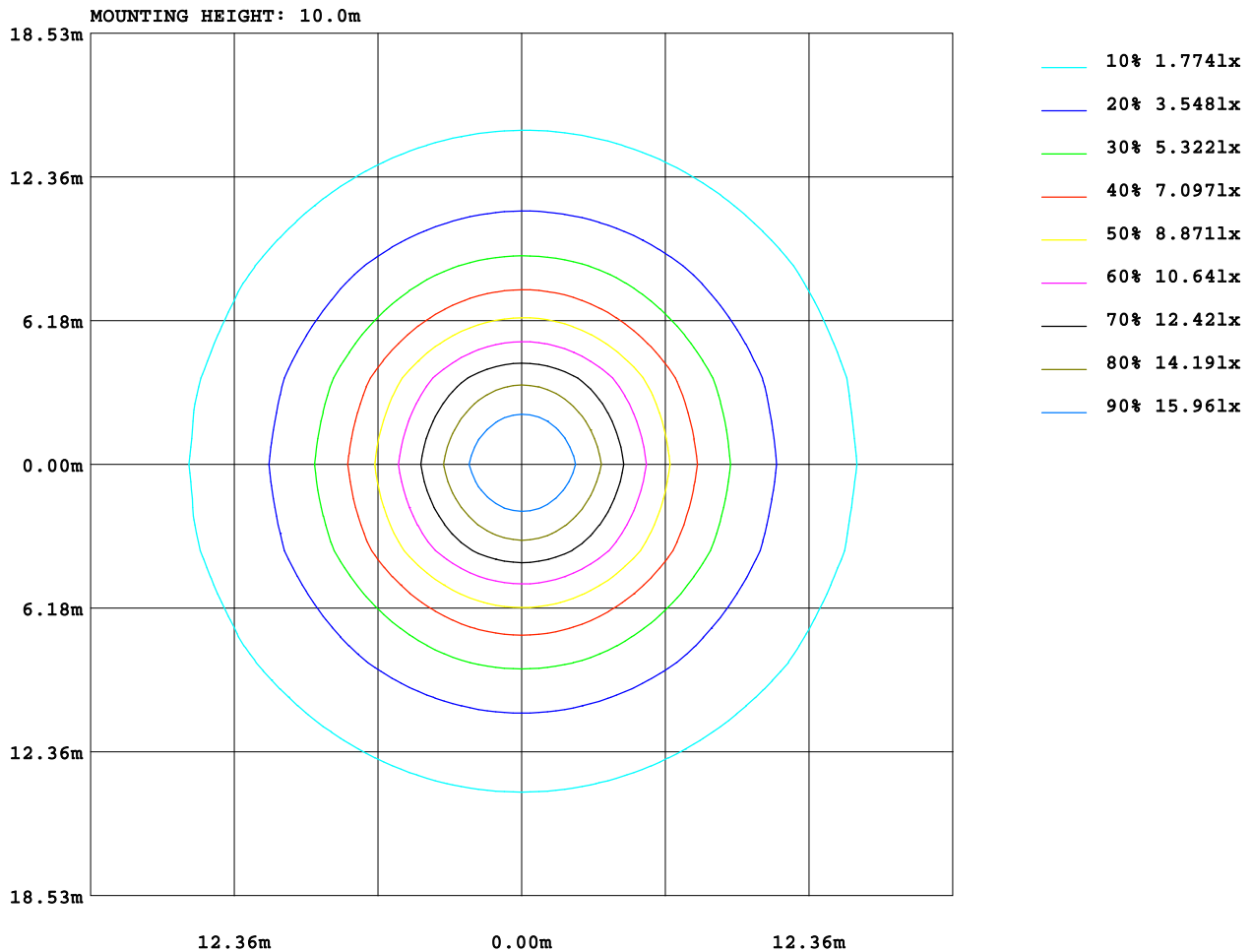
Test Set: 7.0deg/s B-Beta (TYPE B)
Humidity:65.0%
Test Distance:7.000 m
Remarks:

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ISOLUX DIAGRAM

Report number: 2017122703

MANUFACTURER: SGSLight Limited	Address:	
NAME: TLP-30120-48-NW-115	TYPE:LED Panel Light	WEIGHT:
SPECIFICATION:4000K CRI>80	DIMENSION: 296x1196 mm	SERIAL No.:2017122703



Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:Jason
 Test Date:2017-12-27

Test Set: 7.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
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 Remarks:

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Uncorrected UGR Table

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MANUFACTURER: SGSLight Limited					Address:					
NAME: TLP-30120-48-NW-115					TYPE:LED Panel Light			WEIGHT:		
SPECIFICATION:4000K CRI>80					DIMENSION: 296x1196 mm			SERIAL No.:2017122703		
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	18.4	19.9	18.7	20.1	20.4	18.0	19.5	18.3	19.7	19.9
3H	20.0	21.5	20.4	21.7	22.0	19.5	20.9	19.8	21.1	21.4
4H	20.7	22.1	21.0	22.3	22.6	20.1	21.4	20.4	21.7	22.0
6H	21.2	22.4	21.5	22.7	23.0	20.5	21.8	20.8	22.1	22.3
8H	21.3	22.5	21.7	22.8	23.1	20.6	21.9	21.0	22.2	22.5
12H	21.4	22.6	21.7	22.9	23.2	20.7	21.9	21.1	22.2	22.6
4H 2H	19.0	20.3	19.3	20.6	20.9	18.6	20.0	19.0	20.2	20.5
3H	20.8	22.0	21.1	22.3	22.6	20.3	21.5	20.7	21.8	22.1
4H	21.6	22.6	22.0	23.0	23.3	21.0	22.1	21.4	22.4	22.8
6H	22.2	23.1	22.6	23.5	23.9	21.6	22.5	22.0	22.9	23.3
8H	22.3	23.2	22.8	23.6	24.0	21.8	22.7	22.2	23.0	23.4
12H	22.4	23.3	22.9	23.7	24.1	21.9	22.7	22.4	23.1	23.6
8H 4H	21.8	22.7	22.2	23.1	23.5	21.3	22.2	21.8	22.6	23.0
6H	22.5	23.3	23.0	23.7	24.1	22.0	22.7	22.5	23.2	23.6
8H	22.8	23.4	23.3	23.9	24.4	22.3	22.9	22.8	23.4	23.9
12H	23.0	23.5	23.5	24.0	24.5	22.5	23.1	23.0	23.6	24.1
12H 4H	21.8	22.6	22.2	23.0	23.4	21.3	22.2	21.8	22.6	23.0
6H	22.6	23.2	23.0	23.7	24.1	22.1	22.7	22.5	23.2	23.6
8H	22.9	23.4	23.4	23.9	24.4	22.4	23.0	22.9	23.4	23.9
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117 Corrected 5208 lm Total Lamp Luminous Flux. (8log(F/F0) = 5.7)

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:Jason
 Test Date:2017-12-27

Test Set: 7.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
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