

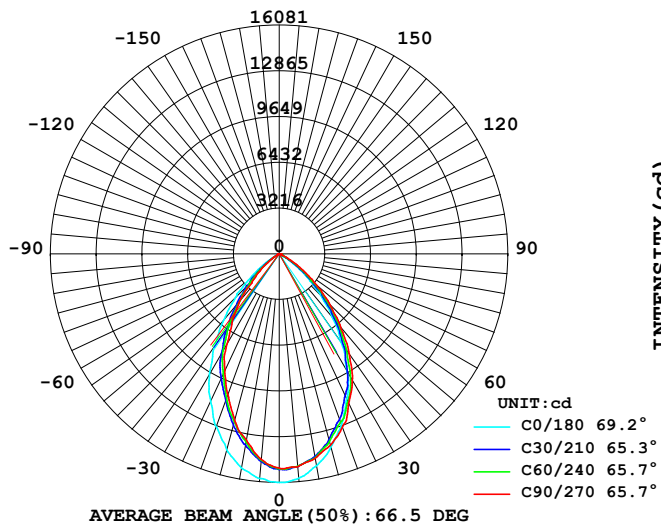
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

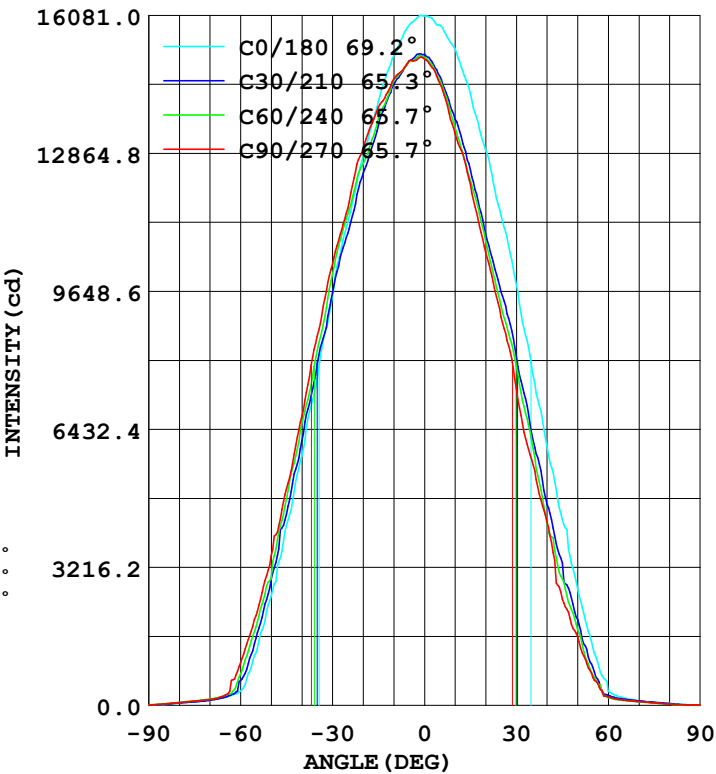
MANUFACTURER:		
Address:		
NAME: flood light	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax(cd)	16081	S/MH(C0/180)	0.97
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.06
NOMINAL POWER(W)	162	TOTAL FLUX(lm)	18995	Voltage(V)	219.4
RATED VOLTAGE(V)	220	EFFICIENCY(lm/W)	116.9	Current(A)	0.765
NOMINAL FLUX(lm)	18995.3	η up(%)	0.1	Power(W)	162.5
LAMPS QUANTITY	1	η down(%)	99.9	Power Factor(PF)	0.968
TEST VOLTAGE(V)	219.4	Effective Flux(lm)	18137.3	EEL	0.000(E)

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



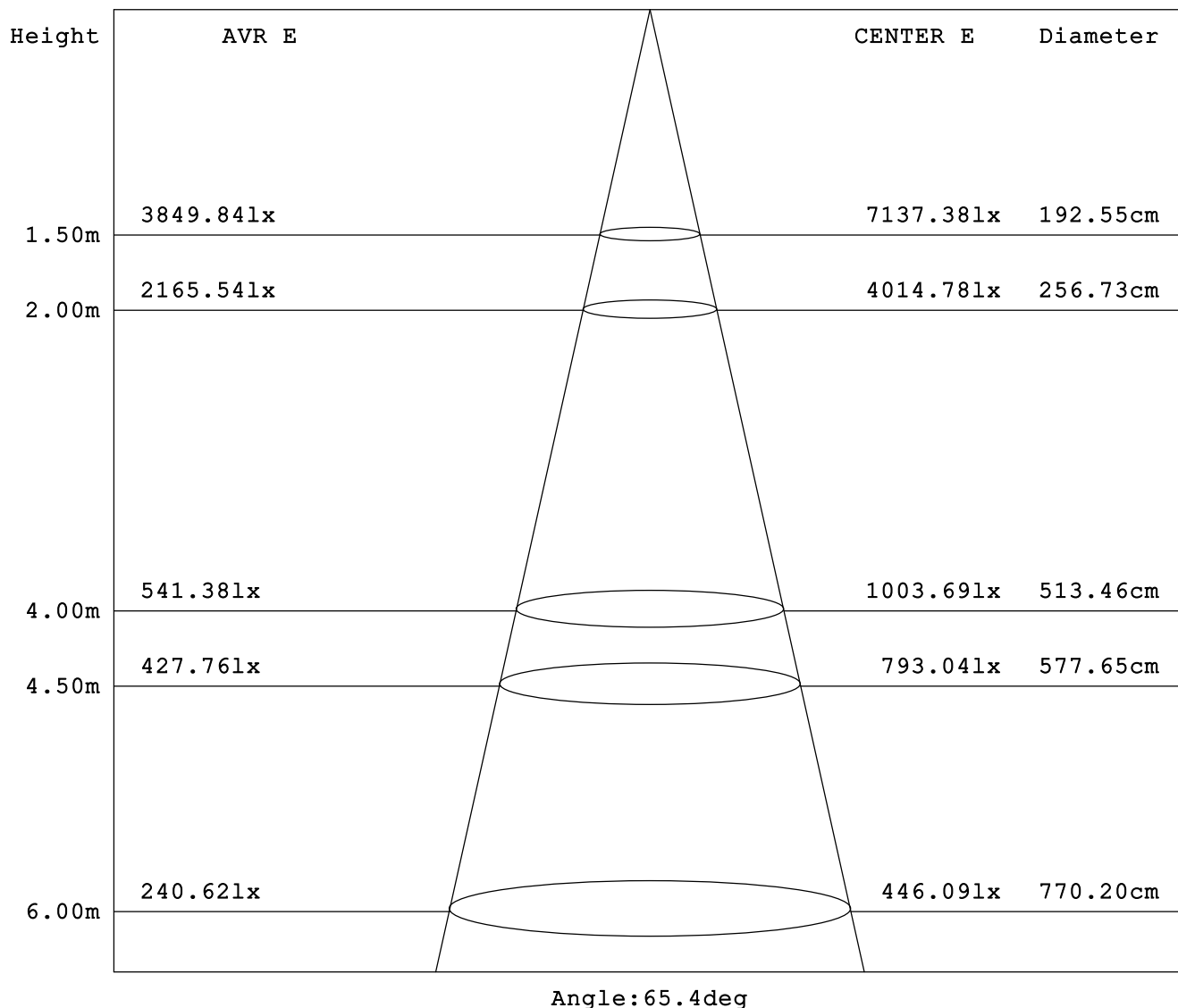
Test System:HopooColor HPG1800
Temperature:25.3DEG
Operators:
Test Date:2026年04月23日

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:11.800 m
Remarks:

AVERAGE AND CENTER E Figure

Report number:

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ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER:		
Address:		
NAME: flood light	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
5.0	1584	1500	1502	1491	1585	1461	1450	1440	0- 5	360.0	360.0
10.0	1513	1451	1459	1450	1529	1356	1331	1328	5- 10	1039	1399
15.0	1407	1359	1393	1382	1426	1235	1213	1200	10- 15	1620	3019
20.0	1281	1251	1298	1275	1295	1091	1057	1057	15- 20	2060	5079
25.0	1126	1123	1159	1155	1143	948.0	906.1	906.2	20- 25	2349	7427
30.0	954.8	983.7	1028	1025	981.3	803.1	739.3	747.6	25- 30	2475	9902
35.0	761.1	810.7	860.1	845.1	787.5	625.4	573.0	585.5	30- 35	2387	12289
40.0	580.4	636.6	673.2	668.4	604.1	446.1	428.0	414.1	35- 40	2126	14415
45.0	419.7	463.2	504.3	496.9	432.7	313.5	248.3	271.2	40- 45	1730	16145
50.0	254.2	294.1	347.8	341.4	269.8	188.0	160.0	156.5	45- 50	1293	17437
55.0	122.8	170.1	209.5	205.6	134.7	80.27	65.30	65.95	50- 55	815.1	18253
60.0	34.23	66.10	100.0	95.18	33.15	21.21	20.13	18.74	55- 60	399.1	18652
65.0	19.04	21.65	23.93	26.72	17.47	13.15	12.57	11.61	60- 65	147.6	18799
70.0	12.11	13.81	13.74	14.75	11.09	9.586	9.064	8.465	65- 70	72.62	18872
75.0	8.451	9.593	10.01	10.37	7.616	6.418	6.098	5.513	70- 75	50.61	18923
80.0	5.486	6.572	6.711	7.170	4.956	3.460	3.077	2.708	75- 80	34.76	18957
85.0	2.172	3.216	3.425	3.829	1.824	1.274	1.336	1.037	80- 85	19.42	18977
90.0	0.989	1.065	0.961	1.350	0.613	0.926	1.197	0.933	85- 90	8.347	18985
95.0	0.891	0.808	0.501	0.815	0.752	0.989	1.225	1.009	90- 95	4.954	18990
100.0	0.835	0.787	0.571	0.773	1.058	1.086	1.267	1.120	95-100	4.921	18995
105.0	0	0	0	0	0	0	0	0	100-105	0.253	18995
110.0	0	0	0	0	0	0	0	0	105-110	0	18995
115.0	0	0	0	0	0	0	0	0	110-115	0	18995
120.0	0	0	0	0	0	0	0	0	115-120	0	18995
125.0	0	0	0	0	0	0	0	0	120-125	0	18995
130.0	0	0	0	0	0	0	0	0	125-130	0	18995
135.0	0	0	0	0	0	0	0	0	130-135	0	18995
140.0	0	0	0	0	0	0	0	0	135-140	0	18995
145.0	0	0	0	0	0	0	0	0	140-145	0	18995
150.0	0	0	0	0	0	0	0	0	145-150	0	18995
155.0	0	0	0	0	0	0	0	0	150-155	0	18995
160.0	0	0	0	0	0	0	0	0	155-160	0	18995
165.0	0	0	0	0	0	0	0	0	160-165	0	18995
170.0	0	0	0	0	0	0	0	0	165-170	0	18995
175.0	0	0	0	0	0	0	0	0	170-175	0	18995
180.0	0	0	0	0	0	0	0	0	175-180	0	18995
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm	

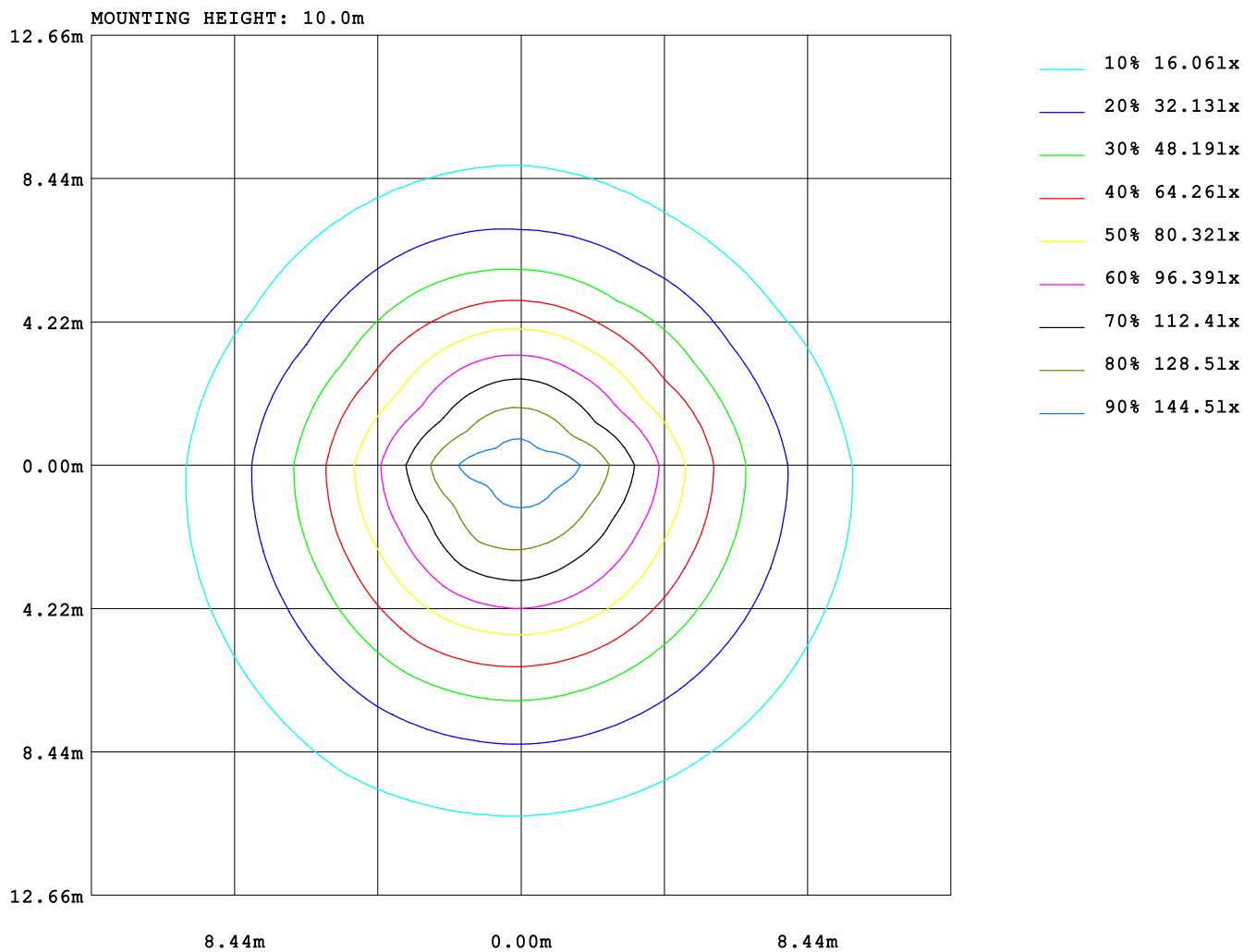
Test System:HopooColor HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2026年04月23日

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:11.800 m
 Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER:		
Address:		
NAME: flood light	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



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AREA LUMINOUS FLUX

Report number:

MANUFACTURER:																			
Address:																			
NAME: flood light										TYPE:					WEIGHT:				
SPECIFICATION:										DIMENSION:					SERIAL No.:				

VERTICAL (DEG)	AREA FLUX DIAGRAM																		UNIT:lm		Φ t	Φ a				
	0.02	0.08	0.16	0.22	0.25	0.25	0.30	0.39	0.47	0.46	0.36	0.25	0.22	0.22	0.20	0.16	0.09	0.03								
90																										
80	0.02	0.11	0.30	0.56	0.83	1.07	1.32	1.61	1.80	1.75	1.47	1.12	0.87	0.67	0.46	0.27	0.12	0.03	14.4	0.00						
70	0.02	0.11	0.30	0.56	0.83	1.07	1.32	1.61	1.80	1.75	1.47	1.12	0.87	0.67	0.46	0.27	0.12	0.03	14.4	0.00						
60	0.03	0.20	0.59	1.14	1.74	2.30	2.83	3.44	3.89	3.80	3.21	2.49	2.00	1.52	1.00	0.53	0.20	0.04	31.0	0.00						
50	0.04	0.31	0.89	1.74	2.80	4.56	9.75	16.9	21.7	20.8	15.2	8.46	4.07	2.48	1.59	0.84	0.30	0.04	113	0.00						
40	0.05	0.41	1.16	2.48	6.18	22.6	48.3	70.1	81.0	77.3	60.6	39.0	18.9	5.45	2.27	1.14	0.41	0.05	438	330						
30	0.06	0.49	1.46	4.13	21.5	60.5	106	150	172	168	138	93.4	52.9	18.7	3.76	1.46	0.51	0.06	994	939						
	0.07	0.55	1.80	9.54	45.9	103	175	240	273	266	221	163	92.6	41.8	8.53	1.83	0.58	0.07	1643	1604						
	0.07	0.60	2.15	17.3	70.3	148	237	311	360	354	300	226	140	65.3	15.6	2.23	0.65	0.08	2249	2218						
	0.08	0.62	2.43	23.7	89.0	185	293	379	431	425	372	286	179	84.0	21.8	2.56	0.69	0.09	2775	2749						
	0.08	0.63	2.56	25.6	94.4	195	310	399	448	449	397	304	190	89.7	23.5	2.66	0.70	0.09	2931	2906						
	0.08	0.62	2.40	22.3	85.3	177	281	366	417	410	357	273	172	80.4	20.0	2.44	0.67	0.09	2668	2640						
-30	0.07	0.58	2.01	15.6	66.1	144	233	313	350	346	301	223	137	61.2	13.3	2.08	0.62	0.08	2209	2176						
-40	0.06	0.53	1.64	8.13	41.4	100	168	227	257	252	215	157	92.0	36.4	6.66	1.68	0.56	0.07	1566	1526						
-50	0.05	0.46	1.32	3.44	18.5	54.7	99.0	134	152	149	125	86.3	45.4	13.9	3.21	1.33	0.48	0.06	889	831						
-60	0.04	0.36	1.04	2.17	5.25	18.4	41.2	57.3	64.9	61.8	48.5	28.9	11.7	4.22	2.08	1.03	0.38	0.05	350	214						
-70	0.03	0.26	0.76	1.51	2.60	4.21	7.02	10.0	11.4	10.4	7.74	5.38	3.76	2.43	1.44	0.76	0.26	0.04	70.2	0.00						
-80	0.02	0.15	0.45	0.94	1.59	2.33	2.92	3.13	3.13	3.07	2.96	2.66	2.11	1.47	0.89	0.44	0.15	0.03	28.4	0.00						
-90	0.02	0.08	0.18	0.37	0.66	0.99	1.19	1.20	1.13	1.09	1.08	1.01	0.82	0.55	0.31	0.16	0.08	0.03	10.9	0.00						
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)										20	30	40	50	60	70	80	90
Φ t	0.89	7.03	23.3	141	555	1225	2017	2682	3050	2999	2567	1902	1146	511	127	23.6	7.45	1.02	18995							
Φ a	0.00	0.00	0.00	49.2	483	1164	1961	2627	2994	2943	2507	1842	1084	440	39.6	0.00	0.00	0.00		18137						

Test System:HopooColor HPG1800
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Operators:
Test Date:2026年04月23日

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:11.800 m
Remarks:

UGR(Unified Glare Rating)Table

Report number:

MANUFACTURER:										
Address:										
NAME: flood light					TYPE:			WEIGHT:		
SPECIFICATION:					DIMENSION:			SERIAL No.:		
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	23.6	24.7	23.9	24.9	25.1	24.6	25.8	24.9	26.0	26.1
3H	23.5	24.5	23.7	24.7	24.9	24.5	25.5	24.8	25.7	26.0
4H	23.4	24.4	23.7	24.6	24.8	24.4	25.4	24.7	25.6	25.9
6H	23.3	24.2	23.6	24.5	24.7	24.3	25.2	24.6	25.5	25.8
8H	23.3	24.1	23.6	24.4	24.7	24.3	25.2	24.6	25.4	25.7
12H	23.2	24.1	23.5	24.3	24.6	24.3	25.1	24.6	25.4	25.7
4H 2H	23.5	24.4	23.8	24.7	24.9	24.4	25.4	24.7	25.7	25.9
3H	23.3	24.2	23.7	24.4	24.7	24.3	25.1	24.6	25.4	25.7
4H	23.3	24.0	23.6	24.3	24.6	24.2	25.0	24.6	25.3	25.6
6H	23.2	23.8	23.6	24.2	24.5	24.2	24.8	24.6	25.2	25.5
8H	23.1	23.8	23.5	24.1	24.5	24.1	24.8	24.5	25.1	25.5
12H	23.1	23.7	23.5	24.0	24.4	24.1	24.7	24.5	25.0	25.4
8H 4H	23.1	23.7	23.5	24.1	24.5	24.1	24.7	24.5	25.1	25.5
6H	23.1	23.6	23.5	24.0	24.4	24.1	24.6	24.5	25.0	25.4
8H	23.0	23.5	23.5	23.9	24.3	24.0	24.5	24.5	24.9	25.3
12H	23.0	23.4	23.5	23.8	24.3	24.0	24.4	24.5	24.8	25.3
12H 4H	23.1	23.6	23.5	24.0	24.4	24.1	24.6	24.5	25.0	25.4
6H	23.0	23.5	23.5	23.9	24.3	24.0	24.5	24.5	24.9	25.3
8H	23.0	23.4	23.5	23.8	24.3	24.0	24.4	24.5	24.8	25.3
Variations with the observer position at spacings:										
S = 1.0H	+ 2.1 / - 5.8					+ 1.7 / - 3.2				
1.5H	+ 1.7 / - 3.0					+ 1.4 / - 2.3				
2.0H	+ 4.4 / - 8.4					+ 3.8 / - 8.6				

CIE Pub.117 Corrected 18995 lm Total Lamp Luminous Flux.(8log(F/F0) = 10.2)

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