

Scaled data based on original data using
LM-46-04 Photometric Testing of Indoor Luminaires Using High Intensity Discharge or
Incandescent Filament Lamps (Reaffirmed 2012)

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: HALO

Report Number: H37021

Luminaire Tested: **H600T-1625P**

Issue Date: 3/3/2020

Test Information

Test Method: LM-46-04
Report Number: H37021
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: H600T-1625P
Description: HALO RECESSED WALLWASH DOWNLIGHT
BRIGHT DIPPED & ANODIZED REFLECTOR
SPECULAR WALLWASH SCOOP - HIGH SOCKET SETTING
Light Source: 150R40 150 WATTS 1900 LUMENS
R40 SPOT
Ballast/Driver: -

Summary

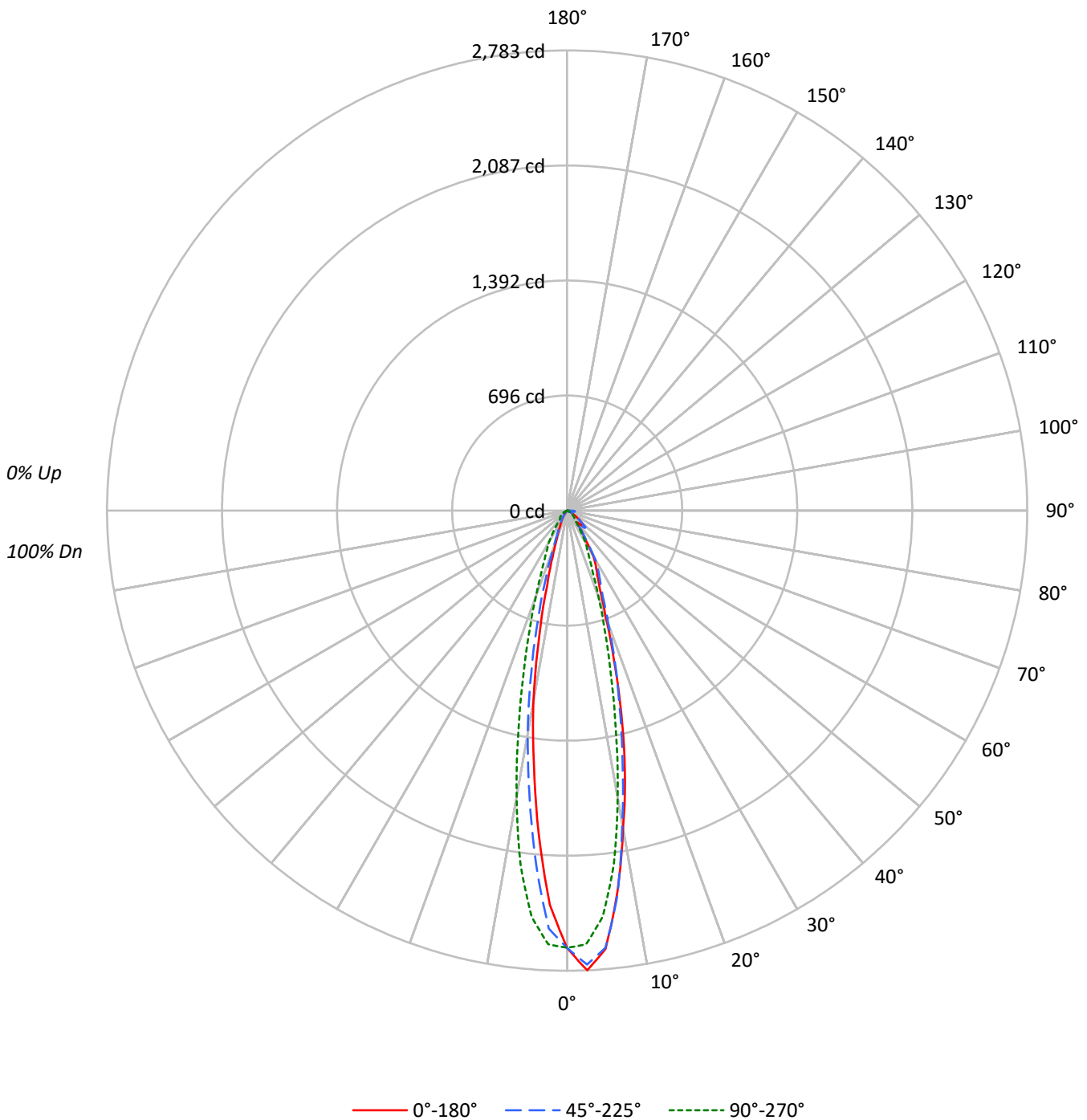
Lumens per Lamp: 1900 (1 lamp)
Luminaire Lumens: 809.0 lumens
Efficiency: 42.6%
Efficacy: 5.4 lumens/watt
Spacing Criteria (0/90/45): 0.39 / 0.43 / 0.43
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

Input Watts (W): 150
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	51	51	51	51	49	49	49	49	47	47	47	45	45	45	43	43	43	43
1	48	47	46	45	47	46	45	44	44	43	42	42	42	41	41	40	40	39
2	46	44	42	40	45	43	41	40	41	40	39	40	39	38	39	38	37	37
3	44	41	39	37	43	40	38	37	39	38	36	38	37	36	37	36	35	34
4	42	39	36	35	41	38	36	34	37	35	34	36	35	34	36	34	33	33
5	40	37	34	32	39	36	34	32	35	33	32	35	33	32	34	33	31	31
6	38	35	32	31	38	34	32	31	34	32	30	33	31	30	33	31	30	29
7	37	33	31	29	36	33	31	29	32	30	29	32	30	29	31	30	29	28
8	35	32	29	28	35	32	29	28	31	29	28	31	29	28	30	29	27	27
9	34	30	28	27	34	30	28	27	30	28	27	30	28	26	29	28	26	26
10	33	29	27	26	33	29	27	26	29	27	26	29	27	25	28	27	25	25

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	Luminaire represents a point source (luminous area is zero).		
5°	No luminance values can be calculated.		
10°			
15°			
20°			
25°			
30°			
35°			
40°			
45°			
50°			
55°			
60°			
65°			
70°			
75°			
80°			
85°			



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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	203.9	25.2	10.7
10°-20°	263.6	32.6	13.9
20°-30°	141.1	17.4	7.4
30°-40°	68.6	8.5	3.6
40°-50°	54.1	6.7	2.8
50°-60°	34.0	4.2	1.8
60°-70°	14.0	1.7	0.7
70°-80°	14.3	1.8	0.8
80°-90°	14.7	1.8	0.8
90°-100°	0.9	0.1	0.0
100°-110°	0.0	0.0	0.0
110°-120°	0.0	0.0	0.0
120°-130°	0.0	0.0	0.0
130°-140°	0.0	0.0	0.0
140°-150°	0.0	0.0	0.0
150°-160°	0.0	0.0	0.0
160°-170°	0.0	0.0	0.0
170°-180°	0.0	0.0	0.0
0°-30°	608.6	75.2	32.0
0°-40°	677.1	83.7	35.6
0°-60°	765.2	94.6	40.3
0°-90°	808.1	99.9	42.5
90°-120°	0.9	0.1	0.0
90°-150°	0.9	0.1	0.0
90°-180°	1.0	0.1	0.1
0°-180°	809.0	100.0	42.6

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2644	2644	2644	2644	2644	
5°	2661	2655	2464	2151	1965	229
15°	1264	1220	1017	675	468	344
25°	430	473	318	115	97	206
35°	158	158	120	38	16	103
45°	133	148	61	7	4	94
55°	70	70	32	2	2	67
65°	24	25	9	1	1	26
75°	22	33	6	1	1	22
85°	16	48	4	1	1	13
90°	10	15	3	0	0	4
95°	0	0	0	0	0	0
105°	0	0	0	0	0	0
115°	0	0	0	0	0	0
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	2644	2644	2644	2644	2644	2644	2644	2644	2644
2.5°	2783	2774	2748	2697	2626	2553	2530	2445	2386
5°	2661	2668	2655	2601	2464	2280	2151	2021	1965
7.5°	2328	2343	2338	2310	2158	1912	1741	1604	1540
10°	1951	1939	1920	1915	1761	1516	1371	1215	1176
12.5°	1615	1608	1547	1507	1360	1114	1004	856	776
15°	1264	1274	1220	1157	1017	785	675	513	468
17.5°	932	960	958	883	752	531	427	307	288
20°	677	701	726	672	550	362	253	198	189
22.5°	516	535	561	537	406	250	162	139	130
25°	430	447	473	466	318	169	115	101	97
27.5°	375	388	405	408	262	120	87	78	76
30°	313	321	337	346	218	88	68	61	61
32.5°	207	203	226	245	165	66	52	45	43
35°	158	159	158	175	120	50	38	27	16
37.5°	105	108	111	137	87	39	26	12	8
40°	93	93	102	135	68	29	16	7	7
42.5°	102	103	119	154	64	22	11	6	6
45°	133	139	148	162	61	17	7	4	4
47.5°	141	147	151	150	55	12	5	3	3
50°	124	127	123	120	48	9	3	2	2
52.5°	97	97	91	89	39	6	3	2	2
55°	70	71	70	68	32	4	2	2	2
57.5°	53	55	57	55	26	3	2	1	2
60°	40	42	45	45	20	2	1	1	2
62.5°	28	29	31	31	13	2	1	1	1
65°	24	25	25	25	9	1	1	1	1
67.5°	22	23	24	25	7	1	1	1	1
70°	22	23	24	27	7	1	1	1	1
72.5°	22	23	28	29	6	1	1	1	1
75°	22	24	33	32	6	1	1	1	1
77.5°	20	24	37	34	6	1	1	1	1
80°	19	24	41	35	5	1	1	1	1
82.5°	18	25	45	35	5	1	1	1	1
85°	16	25	48	34	4	1	1	1	1
87.5°	12	21	39	31	4	0	0	0	0
90°	10	12	15	16	3	0	0	0	0
92.5°	0	0	0	0	0	0	0	0	0
95°	0	0	0	0	0	0	0	0	0
97.5°	0	0	0	0	0	0	0	0	0
100°	0	0	0	0	0	0	0	0	0
102.5°	0	0	0	0	0	0	0	0	0
105°	0	0	0	0	0	0	0	0	0
107.5°	0	0	0	0	0	0	0	0	0
110°	0	0	0	0	0	0	0	0	0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	0	0	0	0	0	0	0	0	0
115°	0	0	0	0	0	0	0	0	0
117.5°	0	0	0	0	0	0	0	0	0
120°	0	0	0	0	0	0	0	0	0
122.5°	0	0	0	0	0	0	0	0	0
125°	0	0	0	0	0	0	0	0	0
127.5°	0	0	0	0	0	0	0	0	0
130°	0	0	0	0	0	0	0	0	0
132.5°	0	0	0	0	0	0	0	0	0
135°	0	0	0	0	0	0	0	0	0
137.5°	0	0	0	0	0	0	0	0	0
140°	0	0	0	0	0	0	0	0	0
142.5°	0	0	0	0	0	0	0	0	0
145°	0	0	0	0	0	0	0	0	0
147.5°	0	0	0	0	0	0	0	0	0
150°	0	0	0	0	0	0	0	0	0
152.5°	0	0	0	0	0	0	0	0	0
155°	0	0	0	0	0	0	0	0	0
157.5°	0	0	0	0	0	0	0	0	0
160°	0	0	0	0	0	0	0	0	0
162.5°	0	0	0	0	0	0	0	0	0
165°	0	0	0	0	0	0	0	0	0
167.5°	0	0	0	0	0	0	0	0	0
170°	0	0	0	0	0	0	0	0	0
172.5°	0	0	0	0	0	0	0	0	0
175°	0	0	0	0	0	0	0	0	0
177.5°	0	0	0	0	0	0	0	0	0
180°	0	0	0	0	0	0	0	0	0

(END OF REPORT)