

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: H37026

Luminaire Tested: **H600T-1625P**

Issue Date: 3/3/2020

Test Information

Test Method: LM-46-04
Report Number: H37026
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: 100R40 100 WATTS 1190 LUMENS
R40 SPOT
Ballast/Driver: -

Summary

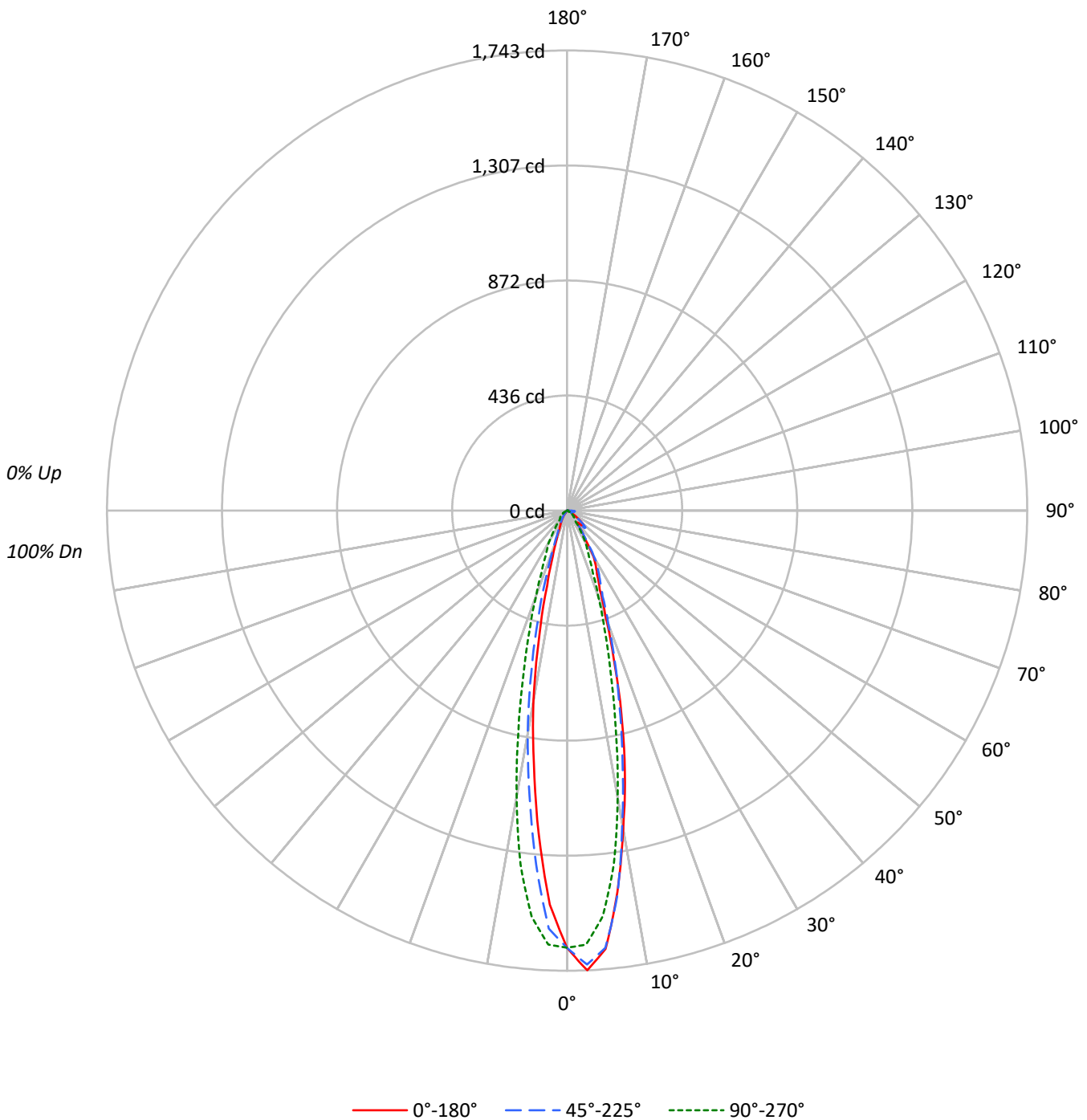
Lumens per Lamp: 1190 (1 lamp)
Luminaire Lumens: 507.1 lumens
Efficiency: 42.6%
Efficacy: 5.1 lumens/watt
Spacing Criteria (0/90/45): 0.39 / 0.43 / 0.43
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

Input Watts (W): 100
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				
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	
RCR																					
0	51	51	51	51	50	50	50	50	47	47	47	45	45	45	43	43	43	43	43	43	43
1	48	47	46	45	47	46	45	44	44	43	43	43	42	41	41	41	40	41	41	40	39
2	46	44	42	40	45	43	41	40	41	40	39	40	39	38	39	38	37	39	38	37	37
3	44	41	39	37	43	40	38	37	39	38	36	38	37	36	37	36	35	37	36	35	34
4	42	39	36	35	41	38	36	34	37	35	34	36	35	34	36	34	33	36	34	33	33
5	40	37	34	32	39	36	34	32	35	33	32	35	33	32	34	33	31	34	33	31	31
6	38	35	32	31	38	34	32	31	34	32	30	33	31	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	31	30	29	28
8	35	32	29	28	35	32	29	28	31	29	28	31	29	28	30	29	27	30	29	27	27
9	34	30	28	27	34	30	28	27	30	28	27	30	28	26	29	28	26	29	28	26	26
10	33	29	27	26	33	29	27	26	29	27	26	29	27	25	28	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°	127.7	25.2	10.7
10°-20°	165.1	32.6	13.9
20°-30°	88.3	17.4	7.4
30°-40°	43.0	8.5	3.6
40°-50°	33.9	6.7	2.9
50°-60°	21.3	4.2	1.8
60°-70°	8.9	1.7	0.7
70°-80°	9.1	1.8	0.8
80°-90°	9.3	1.8	0.8
90°-100°	0.5	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°	381.1	75.2	32.0
0°-40°	424.1	83.6	35.6
0°-60°	479.3	94.5	40.3
0°-90°	506.6	99.9	42.6
90°-120°	0.5	0.1	0.0
90°-150°	0.5	0.1	0.0
90°-180°	1.0	0.2	0.1
0°-180°	507.1	100.0	42.6

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1656	1656	1656	1656	1656	
5°	1667	1663	1543	1347	1231	143
15°	792	764	637	423	293	216
25°	269	296	199	72	61	129
35°	99	99	75	24	10	65
45°	83	93	38	4	3	59
55°	44	44	20	1	1	42
65°	15	16	6	1	1	16
75°	14	21	4	1	1	14
85°	10	30	3	1	1	8
90°	6	9	2	0	0	3
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°	1656	1656	1656	1656	1656	1656	1656	1656	1656
2.5°	1743	1737	1721	1689	1645	1599	1585	1531	1494
5°	1667	1671	1663	1629	1543	1428	1347	1266	1231
7.5°	1458	1467	1464	1447	1352	1197	1090	1005	965
10°	1222	1214	1202	1199	1103	949	859	761	737
12.5°	1011	1007	969	944	852	698	629	536	486
15°	792	798	764	725	637	492	423	321	293
17.5°	584	601	600	553	471	333	267	192	180
20°	424	439	455	421	344	227	158	124	118
22.5°	323	335	351	336	254	157	101	87	81
25°	269	280	296	292	199	106	72	63	61
27.5°	235	243	254	256	164	75	54	49	48
30°	196	201	211	217	137	55	43	38	38
32.5°	130	127	142	153	103	41	33	28	27
35°	99	100	99	110	75	31	24	17	10
37.5°	66	68	70	86	54	24	16	8	5
40°	58	58	64	85	43	18	10	4	4
42.5°	64	65	75	96	40	14	7	4	4
45°	83	87	93	101	38	11	4	3	3
47.5°	88	92	95	94	34	8	3	2	2
50°	78	80	77	75	30	6	2	1	1
52.5°	61	61	57	56	24	4	2	1	1
55°	44	44	44	43	20	3	1	1	1
57.5°	33	34	36	34	16	2	1	1	1
60°	25	26	28	28	13	1	1	1	1
62.5°	18	18	19	19	8	1	1	1	1
65°	15	16	16	16	6	1	1	1	1
67.5°	14	14	15	16	4	1	1	1	1
70°	14	14	15	17	4	1	1	1	1
72.5°	14	14	18	18	4	1	1	1	1
75°	14	15	21	20	4	1	1	1	1
77.5°	13	15	23	21	4	1	1	1	1
80°	12	15	26	22	3	1	1	1	1
82.5°	11	16	28	22	3	1	1	1	1
85°	10	16	30	21	3	1	1	1	1
87.5°	8	13	24	19	3	0	0	0	0
90°	6	8	9	10	2	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)