

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: H37019

Luminaire Tested: **H600T-1625P**

Issue Date: 3/3/2020

Test Information

Test Method: LM-46-04
Report Number: H37019
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: 150A21 150 WATTS 2850 LUMENS
A21 INSIDE FROSTED
Ballast/Driver: -

Summary

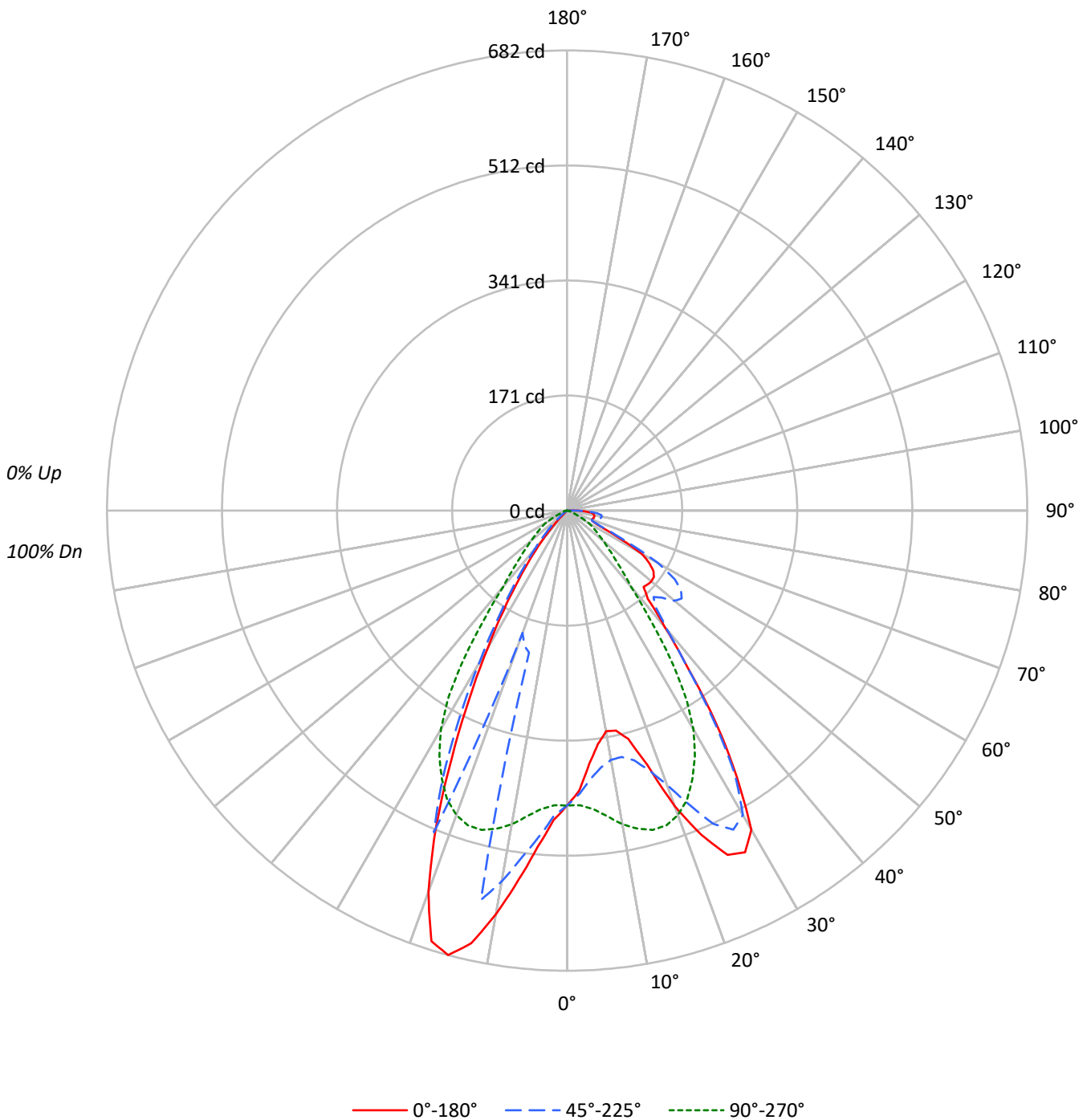
Lumens per Lamp: 2850 (1 lamp)
Luminaire Lumens: 773.2 lumens
Efficiency: 27.1%
Efficacy: 5.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.21 / 1.06
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

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	32	32	32	32	32	32	32	32	30	30	30	29	29	29	28	28	28	27
1	30	29	28	27	29	28	28	27	27	27	26	26	26	25	25	25	24	24
2	28	26	25	23	27	26	24	23	25	24	23	24	23	22	23	22	22	21
3	26	24	22	20	25	23	22	20	23	21	20	22	21	20	21	20	19	19
4	24	22	20	18	24	21	19	18	21	19	18	20	19	18	19	18	17	17
5	23	20	18	16	22	19	18	16	19	17	16	18	17	16	18	17	16	15
6	21	18	16	15	21	18	16	15	17	16	14	17	16	14	17	15	14	14
7	20	17	15	13	19	17	15	13	16	14	13	16	14	13	15	14	13	13
8	19	16	14	12	18	15	13	12	15	13	12	15	13	12	14	13	12	11
9	18	14	12	11	17	14	12	11	14	12	11	14	12	11	13	12	11	11
10	17	13	12	10	16	13	12	10	13	11	10	13	11	10	13	11	10	10

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°	43.1	5.6	1.5
10°-20°	123.1	15.9	4.3
20°-30°	206.1	26.7	7.2
30°-40°	161.7	20.9	5.7
40°-50°	86.3	11.2	3.0
50°-60°	79.6	10.3	2.8
60°-70°	33.4	4.3	1.2
70°-80°	21.3	2.8	0.7
80°-90°	17.8	2.3	0.6
90°-100°	0.8	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°	372.3	48.2	13.1
0°-40°	534.0	69.1	18.7
0°-60°	699.9	90.5	24.6
0°-90°	772.3	99.9	27.1
90°-120°	0.8	0.1	0.0
90°-150°	0.8	0.1	0.0
90°-180°	1.0	0.1	0.0
0°-180°	773.2	100.0	27.1

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	437	437	437	437	437	
5°	376	399	444	486	500	35
15°	350	383	490	218	682	107
25°	563	512	439	435	404	251
35°	385	377	264	143	125	236
45°	160	181	99	35	8	134
55°	156	206	51	4	3	136
65°	49	55	16	2	2	62
75°	41	48	5	1	2	43
85°	36	44	2	1	1	30
90°	15	12	1	1	0	8
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°	437	437	437	437	437	437	437	437	437
2.5°	415	416	420	430	437	447	453	459	459
5°	376	385	399	422	444	467	486	497	500
7.5°	349	359	384	420	457	491	519	546	552
10°	332	343	375	422	472	511	558	596	607
12.5°	334	342	374	428	483	526	591	643	657
15°	350	357	383	436	490	527	218	273	682
17.5°	395	391	403	445	489	512	210	265	669
20°	466	452	432	455	480	481	193	605	601
22.5°	520	508	471	463	464	438	516	512	508
25°	563	551	512	470	439	385	435	412	404
27.5°	571	568	533	472	410	328	344	314	313
30°	546	545	521	458	374	273	261	239	235
32.5°	468	477	462	420	326	220	193	175	175
35°	385	383	377	352	264	172	143	126	125
37.5°	293	297	291	278	198	132	105	90	87
40°	225	228	230	228	148	102	76	61	56
42.5°	177	184	194	202	120	75	53	37	32
45°	160	168	181	191	99	56	35	17	8
47.5°	162	173	191	192	82	39	21	6	5
50°	163	183	208	199	70	29	12	4	4
52.5°	162	182	214	205	59	20	7	3	3
55°	156	173	206	203	51	14	4	3	3
57.5°	144	159	189	188	44	9	3	3	3
60°	127	136	155	157	36	6	2	2	2
62.5°	82	87	98	105	26	4	2	2	2
65°	49	52	55	58	16	3	2	2	2
67.5°	40	41	40	37	10	2	2	2	2
70°	39	40	39	34	7	2	2	2	2
72.5°	40	43	43	36	6	2	2	2	2
75°	41	45	48	40	5	1	1	1	2
77.5°	41	46	51	43	4	1	1	1	1
80°	41	46	52	43	4	1	1	1	1
82.5°	39	45	51	42	3	1	1	1	1
85°	36	40	44	37	2	1	1	1	1
87.5°	26	30	32	26	1	1	1	1	1
90°	15	16	12	9	1	1	1	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)