

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: H37010

Luminaire Tested: **H600T-1603P**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-46-04  
Report Number: H37010  
Test Lab:  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: H600T-1603P  
Description: HALO RECESSED DOWNLIGHT  
BRIGHT DIPPED & ANODIZED REFLECTOR  
WITH PAINTED (WHITE) CONE - LOW SOCKET SETTING  
Light Source: 150A21 150 WATTS 2850 LUMENS  
A21 INSIDE FROSTED  
Ballast/Driver: -

**Summary**

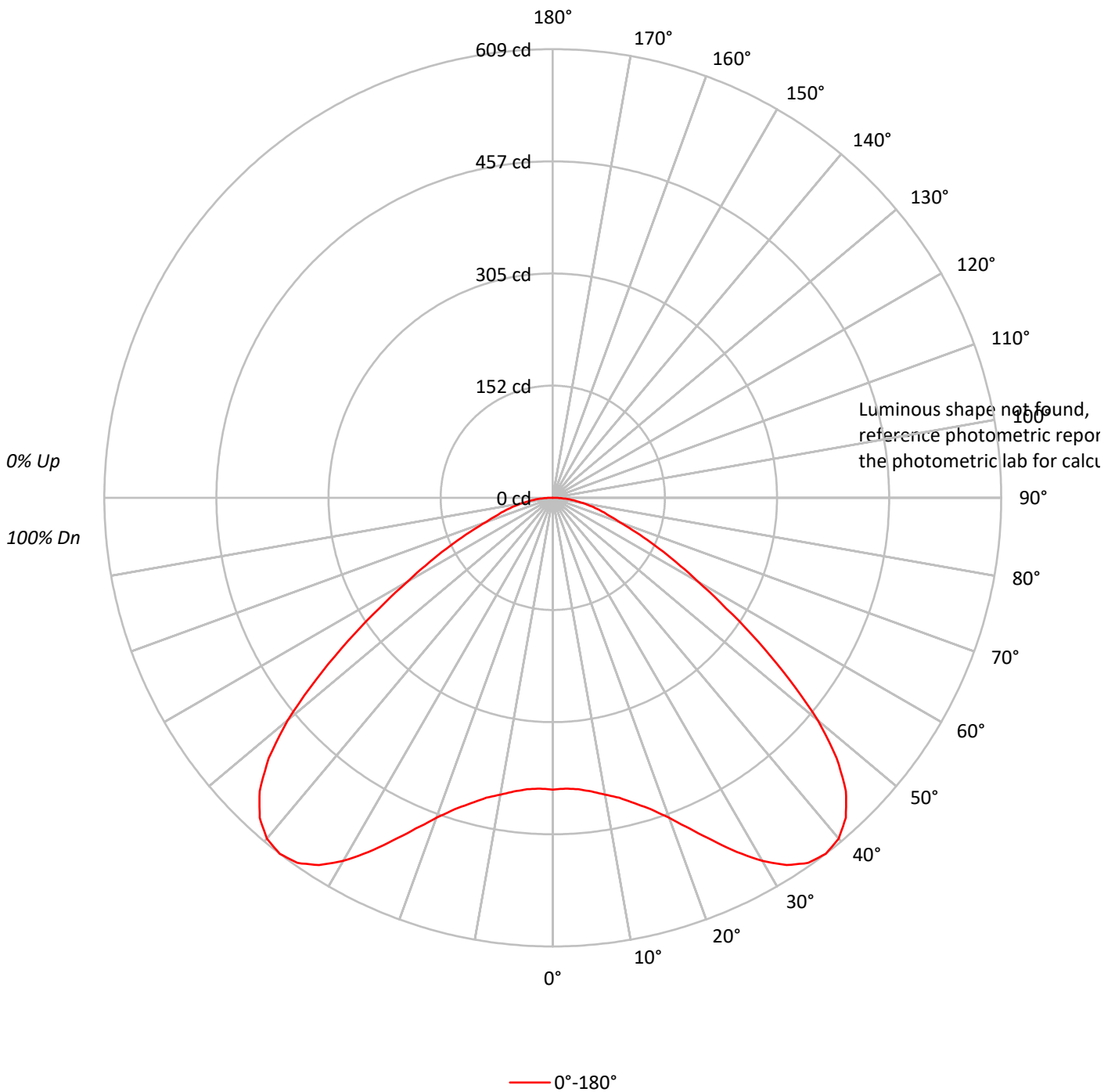
Lumens per Lamp: 2850 (1 lamp)  
Luminaire Lumens: 1758.3 lumens  
Efficiency: 61.7%  
Efficacy: 11.7 lumens/watt  
Spacing Criteria (0/90/45): 2 / 2 / 1.8  
Luminous Opening: (L: 0 ' x W: -0.52 ' x H: 0 '  
CIE Type: Direct

Input Watts (W): 150  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	73	73	73	73	72	72	72	72	69	69	69		66	66	66		63	63	63	62
1	68	65	62	60	66	63	61	59	61	59	57		58	57	55		56	55	54	53
2	62	57	53	49	60	56	52	49	53	50	48		51	49	47		50	47	46	44
3	56	50	45	41	55	49	44	41	47	43	40		45	42	39		44	41	39	37
4	51	44	39	35	50	43	38	34	42	37	34		40	37	33		39	36	33	32
5	47	39	34	30	46	38	33	29	37	33	29		36	32	29		35	31	28	27
6	43	35	30	26	42	34	29	25	33	29	25		32	28	25		31	28	25	23
7	40	32	26	22	39	31	26	22	30	25	22		29	25	22		28	25	22	20
8	37	29	23	20	36	28	23	19	27	23	19		26	22	19		26	22	19	18
9	34	26	21	17	33	26	21	17	25	20	17		24	20	17		24	20	17	16
10	32	24	19	15	31	23	19	15	23	18	15		22	18	15		22	18	15	14

**AVERAGE LUMINANCE (cd/sqm):**





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	38.3	2.2	1.3
10°-20°	123.0	7.0	4.3
20°-30°	239.4	13.6	8.4
30°-40°	376.0	21.4	13.2
40°-50°	426.9	24.3	15.0
50°-60°	305.8	17.4	10.7
60°-70°	154.4	8.8	5.4
70°-80°	71.5	4.1	2.5
80°-90°	23.0	1.3	0.8
90°-100°	0.0	0.0	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°	400.7	22.8	14.1
0°-40°	776.7	44.2	27.3
0°-60°	1509.4	85.8	53.0
0°-90°	1758.3	100.0	61.7
90°-120°	0.0	0.0	0.0
90°-150°	0.0	0.0	0.0
90°-180°	0.0	0.0	0.0
0°-180°	1758.3	100.0	61.7

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	396	
5°	397	38
15°	429	123
25°	513	239
35°	605	376
45°	563	427
55°	340	306
65°	153	154
75°	67	71
85°	21	21
90°	0	2
95°	0	0
105°	0	0
115°	0	0
125°	0	0
135°	0	0
145°	0	0
155°	0	0
165°	0	0
175°	0	0
180°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	396
2.5°	395
5°	397
7.5°	402
10°	409
12.5°	417
15°	429
17.5°	443
20°	462
22.5°	486
25°	513
27.5°	542
30°	569
32.5°	591
35°	605
37.5°	609
40°	604
42.5°	589
45°	563
47.5°	523
50°	470
52.5°	405
55°	340
57.5°	279
60°	228
62.5°	188
65°	153
67.5°	122
70°	97
72.5°	80
75°	67
77.5°	54
80°	43
82.5°	31
85°	21
87.5°	11
90°	0
92.5°	0
95°	0
97.5°	0
100°	0
102.5°	0
105°	0
107.5°	0
110°	0



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**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)