

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: H37007

Luminaire Tested: **H600T-1603C**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-46-04  
Report Number: H37007  
Test Lab:  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: H600T-1603C  
Description: HALO RECESSED DOWNLIGHT  
BRIGHT DIPPED & ANODIZED REFLECTOR & CONE  
HIGH SOCKET SETTING  
Light Source: 100A19 100 WATTS 1750 LUMENS  
A19 INSIDE FROSTED  
Ballast/Driver: -

**Summary**

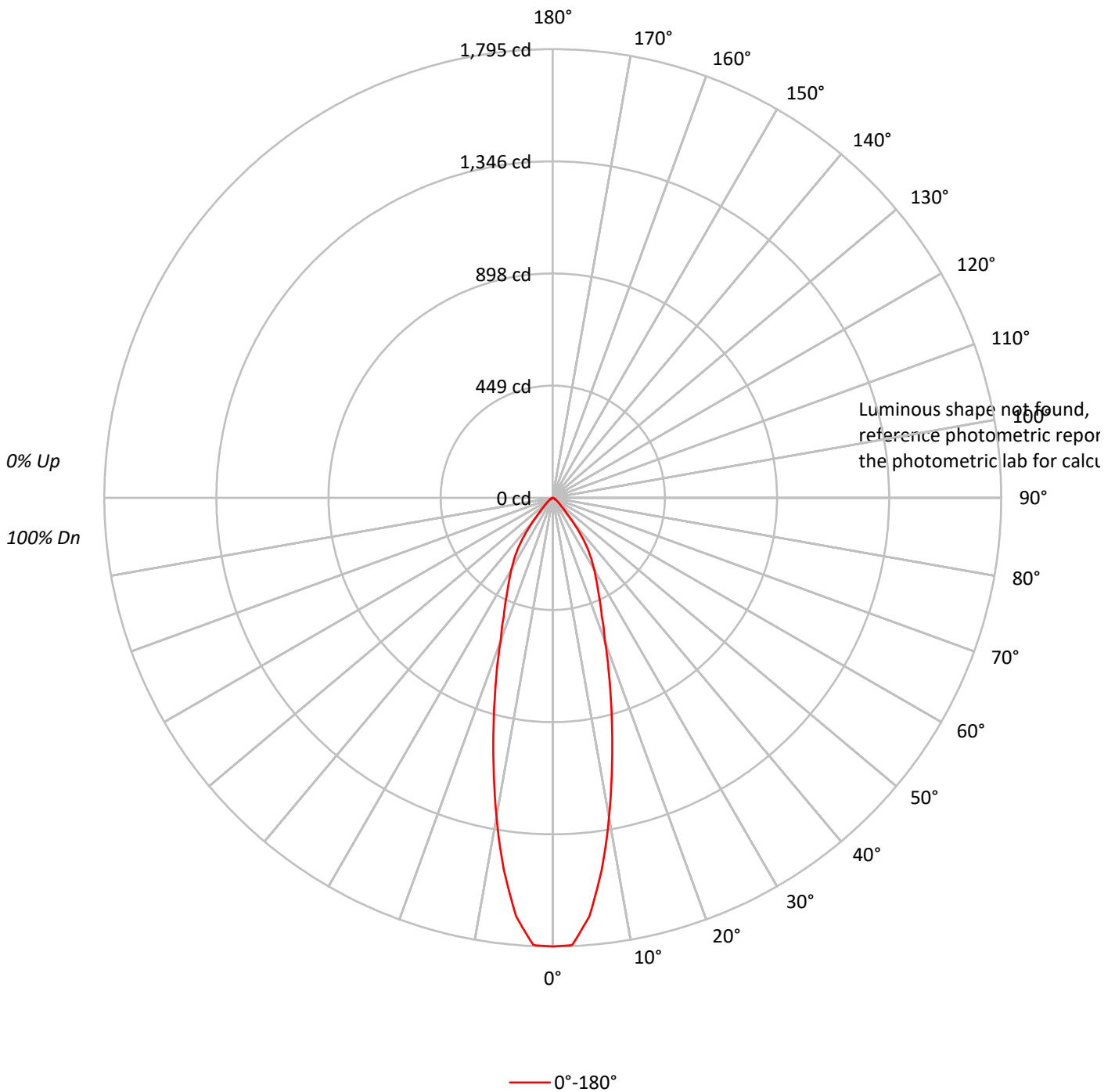
Lumens per Lamp: 1750 (1 lamp)  
Luminaire Lumens: 821.3 lumens  
Efficiency: 46.9%  
Efficacy: 8.2 lumens/watt  
Spacing Criteria (0/90/45): 0.5 / 0.5 / 0.55  
Luminous Opening: (L: 0 ' x W: -0.52 ' x H: 0 '  
CIE Type: Direct

Input Watts (W): 100  
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



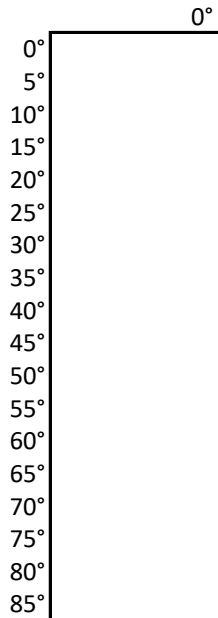


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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

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	56	56	56	56	55	55	55	55	52	52	52		50	50	50		48	48	48	47
1	53	52	51	50	52	51	50	49	49	48	48		47	47	46		46	45	45	44
2	51	49	47	45	50	48	46	45	46	45	44		45	44	43		44	43	42	41
3	48	46	43	42	48	45	43	41	44	42	41		43	41	40		42	40	39	39
4	46	43	40	39	45	42	40	38	41	39	38		40	39	37		40	38	37	36
5	44	40	38	36	43	40	38	36	39	37	35		38	37	35		38	36	35	34
6	42	38	36	34	41	38	35	34	37	35	33		36	35	33		36	34	33	32
7	40	36	34	32	40	36	33	32	35	33	31		35	33	31		34	32	31	30
8	39	34	32	30	38	34	32	30	34	31	30		33	31	30		33	31	29	29
9	37	33	30	28	36	32	30	28	32	30	28		32	30	28		31	29	28	27
10	35	31	29	27	35	31	29	27	31	28	27		30	28	27		30	28	27	26

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	147.6	18.0	8.4
10°-20°	253.0	30.8	14.5
20°-30°	205.1	25.0	11.7
30°-40°	142.5	17.3	8.1
40°-50°	47.3	5.8	2.7
50°-60°	17.1	2.1	1.0
60°-70°	7.0	0.9	0.4
70°-80°	1.6	0.2	0.1
80°-90°	0.1	0.0	0.0
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°	605.7	73.7	34.6
0°-40°	748.2	91.1	42.8
0°-60°	812.6	98.9	46.4
0°-90°	821.3	100.0	46.9
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°	821.3	100.0	46.9

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1795	
5°	1680	148
15°	911	253
25°	440	205
35°	235	142
45°	54	47
55°	18	17
65°	7	7
75°	1	2
85°	0	0
90°	0	0
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	0



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1795
2.5°	1791
5°	1680
7.5°	1501
10°	1297
12.5°	1093
15°	911
17.5°	751
20°	612
22.5°	513
25°	440
27.5°	380
30°	331
32.5°	284
35°	235
37.5°	178
40°	122
42.5°	79
45°	54
47.5°	40
50°	30
52.5°	23
55°	18
57.5°	15
60°	12
62.5°	9
65°	7
67.5°	5
70°	3
72.5°	2
75°	1
77.5°	1
80°	1
82.5°	0
85°	0
87.5°	0
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)