

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: H37015

Luminaire Tested: **H600T-1603BA**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-46-04  
Report Number: H37015  
Test Lab:  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: H600T-1603BA  
Description: HALO RECESSED DOWNLIGHT  
BRIGHT DIPPED & ANODIZED REFLECTOR  
BLACK CONE BAFFLE - HIGH SOCKET SETTING  
Light Source: 100A19 100 WATTS 1750 LUMENS  
A19 INSIDE FROSTED  
Ballast/Driver: -

**Summary**

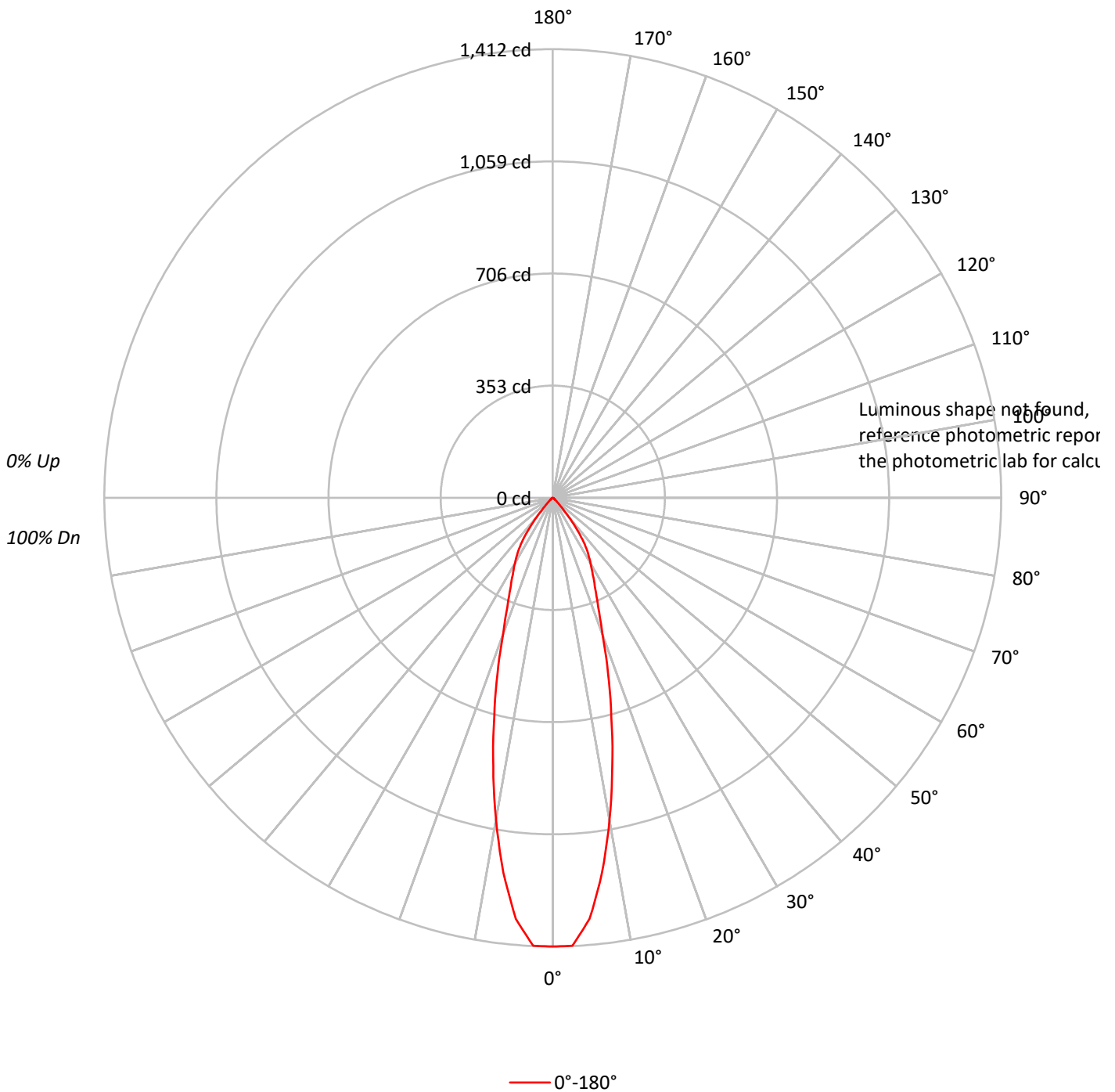
Lumens per Lamp: 1750 (1 lamp)  
Luminaire Lumens: 595.9 lumens  
Efficiency: 34.1%  
Efficacy: 6.0 lumens/watt  
Spacing Criteria (0/90/45): 0.5 / 0.5 / 0.54  
Luminous Opening: (L: 0 ' x W: -0.52 ' x H: 0 '  
CIE Type: Direct

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



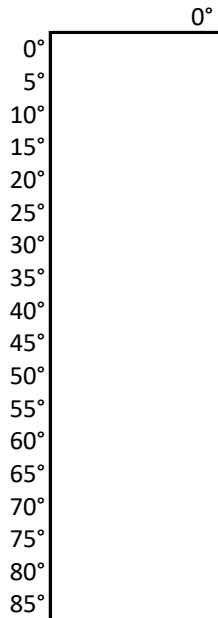


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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

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	41	41	41	41	40	40	40	40	38	38	38	36	36	36	35	35	35	34
1	39	38	37	36	38	37	37	36	36	35	35	35	34	34	33	33	33	32
2	37	36	34	33	36	35	34	33	34	33	32	33	32	32	32	31	31	30
3	35	34	32	31	35	33	32	31	32	31	30	31	30	30	31	30	29	29
4	34	32	30	29	33	31	30	28	31	29	28	30	29	28	29	28	27	27
5	32	30	28	27	32	30	28	27	29	28	26	28	27	26	28	27	26	26
6	31	28	27	25	31	28	26	25	28	26	25	27	26	25	27	26	25	24
7	30	27	25	24	29	27	25	24	26	25	24	26	25	24	26	24	23	23
8	29	26	24	23	28	25	24	23	25	24	22	25	23	22	25	23	22	22
9	27	25	23	22	27	24	23	21	24	22	21	24	22	21	23	22	21	21
10	26	23	22	21	26	23	22	20	23	21	20	23	21	20	23	21	20	20

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	116.9	19.6	6.7
10°-20°	197.2	33.1	11.3
20°-30°	148.7	24.9	8.5
30°-40°	101.4	17.0	5.8
40°-50°	23.7	4.0	1.4
50°-60°	5.9	1.0	0.3
60°-70°	2.1	0.4	0.1
70°-80°	0.1	0.0	0.0
80°-90°	0.0	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°	462.8	77.7	26.4
0°-40°	564.2	94.7	32.2
0°-60°	593.7	99.6	33.9
0°-90°	595.9	100.0	34.1
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°	595.9	100.0	34.1

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1412	
5°	1330	117
15°	712	197
25°	316	149
35°	170	101
45°	24	24
55°	6	6
65°	2	2
75°	0	0
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°	1412
2.5°	1411
5°	1330
7.5°	1190
10°	1029
12.5°	866
15°	712
17.5°	579
20°	457
22.5°	373
25°	316
27.5°	273
30°	238
32.5°	206
35°	170
37.5°	124
40°	78
42.5°	41
45°	24
47.5°	16
50°	11
52.5°	8
55°	6
57.5°	5
60°	4
62.5°	3
65°	2
67.5°	1
70°	1
72.5°	0
75°	0
77.5°	0
80°	0
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)