

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: H37008

Luminaire Tested: **H600T-1603P**

Issue Date: 3/3/2020

Test Information

Test Method: LM-46-04
Report Number: H37008
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 - HIGH SOCKET SETTING
Light Source: 100A19 100 WATTS 1750 LUMENS
A19 INSIDE FROSTED
Ballast/Driver: -

Summary

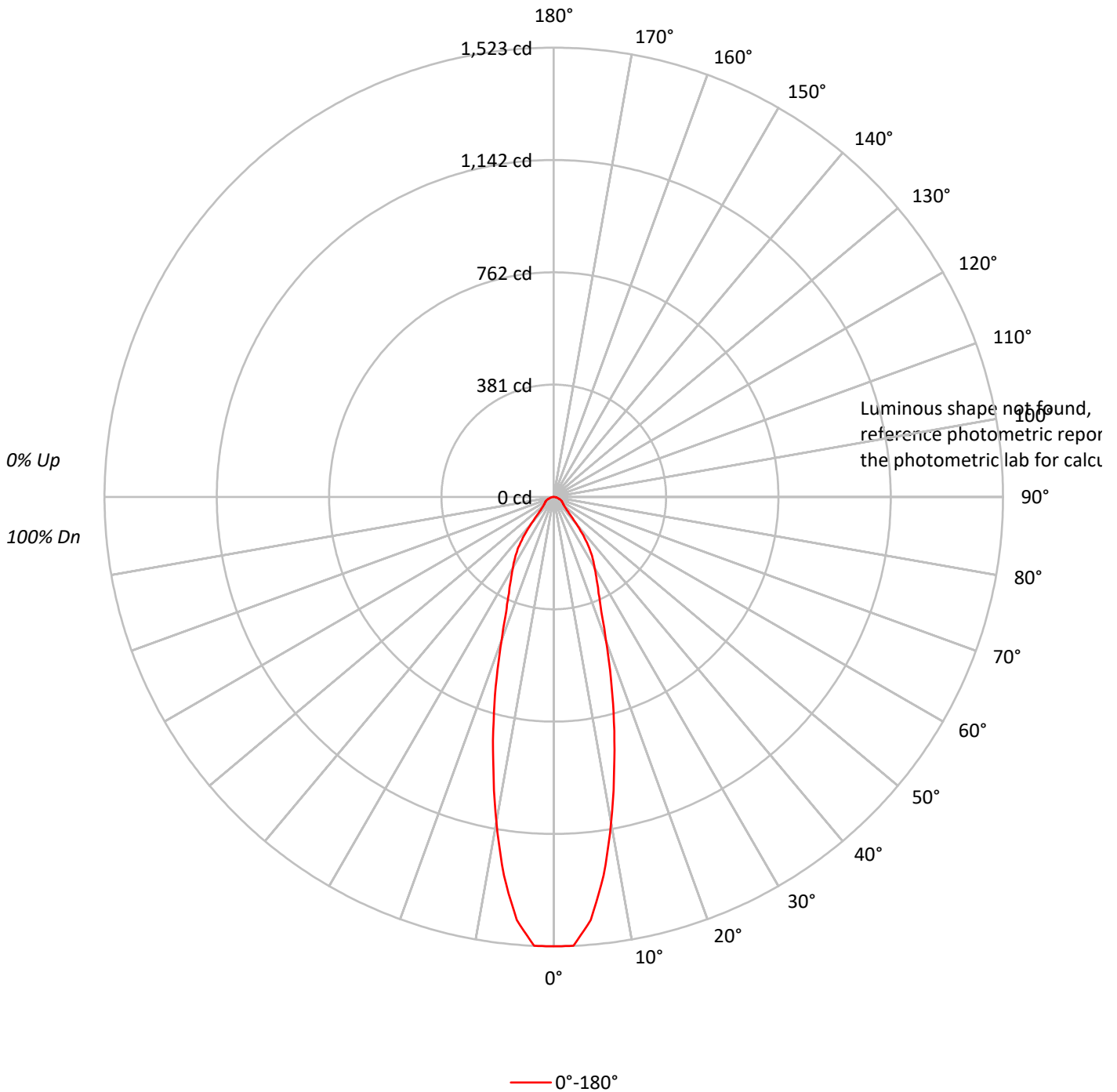
Lumens per Lamp: 1750 (1 lamp)
Luminaire Lumens: 773.5 lumens
Efficiency: 44.2%
Efficacy: 7.7 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.55
Luminous Opening: (L: 0 ' x W: -0.52 ' x H: 0 '
CIE Type: Direct

Input Watts (W): 100
Input Voltage (V): NR
Input Current (A_{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



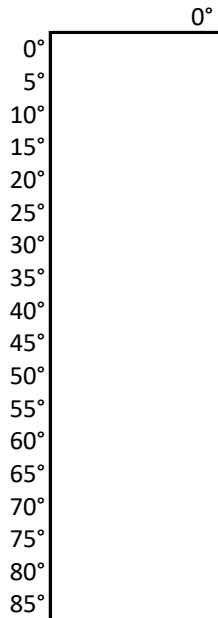


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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	53	53	53	53	51	51	51	51	49	49	49		47	47	47		45	45	45	44
1	50	48	47	46	49	47	46	45	46	45	44		44	43	43		42	42	41	41
2	47	45	43	41	46	44	42	41	42	41	40		41	40	39		40	39	38	37
3	45	41	39	37	44	41	39	37	40	38	36		39	37	36		38	36	35	34
4	42	39	36	34	41	38	36	34	37	35	33		36	35	33		35	34	33	32
5	40	36	34	32	39	36	33	31	35	33	31		34	32	31		34	32	31	30
6	38	34	31	29	38	34	31	29	33	31	29		32	30	29		32	30	29	28
7	36	32	29	28	36	32	29	27	31	29	27		31	29	27		30	28	27	26
8	35	30	28	26	34	30	28	26	30	27	26		29	27	26		29	27	26	25
9	33	29	26	25	33	29	26	24	28	26	24		28	26	24		28	26	24	24
10	32	28	25	23	31	27	25	23	27	25	23		27	25	23		26	24	23	22

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	126.8	16.4	7.2
10°-20°	217.6	28.1	12.4
20°-30°	169.4	21.9	9.7
30°-40°	126.3	16.3	7.2
40°-50°	53.1	6.9	3.0
50°-60°	34.2	4.4	2.0
60°-70°	26.5	3.4	1.5
70°-80°	14.9	1.9	0.9
80°-90°	4.8	0.6	0.3
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°	513.8	66.4	29.4
0°-40°	640.1	82.7	36.6
0°-60°	727.4	94.0	41.6
0°-90°	773.5	100.0	44.2
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°	773.5	100.0	44.2

CANDELA DISTRIBUTION:

	0°	Flux
0°	1523	
5°	1439	127
15°	787	218
25°	360	169
35°	209	126
45°	62	53
55°	38	34
65°	27	26
75°	14	15
85°	4	4
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°	1523
2.5°	1523
5°	1439
7.5°	1294
10°	1120
12.5°	946
15°	787
17.5°	643
20°	515
22.5°	421
25°	360
27.5°	314
30°	277
32.5°	245
35°	209
37.5°	165
40°	118
42.5°	82
45°	62
47.5°	52
50°	46
52.5°	41
55°	38
57.5°	35
60°	32
62.5°	30
65°	27
67.5°	24
70°	20
72.5°	17
75°	14
77.5°	11
80°	9
82.5°	7
85°	4
87.5°	2
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)