

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: H37009

Luminaire Tested: **H600T-1603P**

Issue Date: 3/3/2020

Test Information

Test Method: LM-46-04
Report Number: H37009
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: 150A21 150 WATTS 2850 LUMENS
A21 INSIDE FROSTED
Ballast/Driver: -

Summary

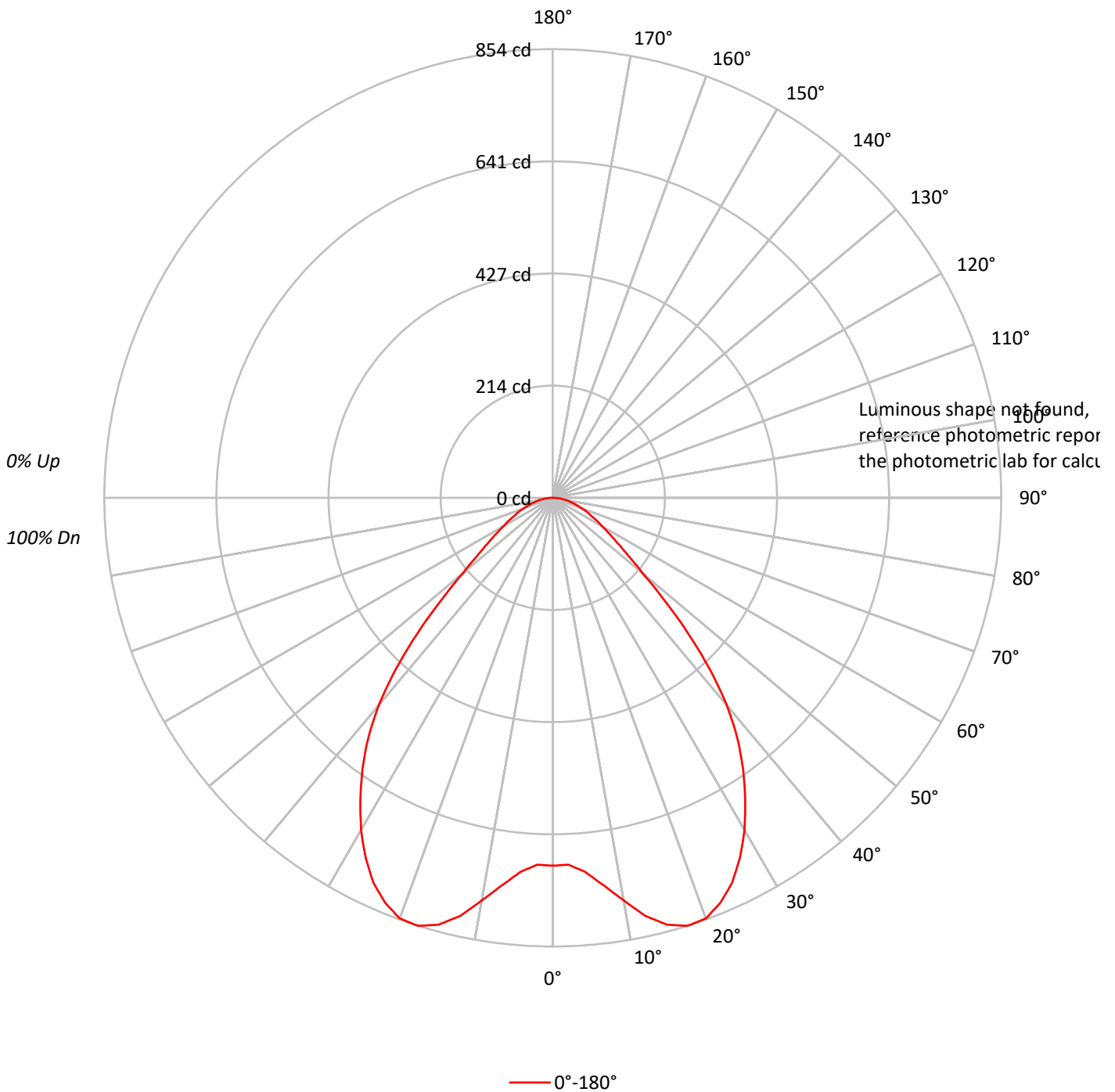
Lumens per Lamp: 2850 (1 lamp)
Luminaire Lumens: 1628.0 lumens
Efficiency: 57.1%
Efficacy: 10.9 lumens/watt
Spacing Criteria (0/90/45): 1.39 / 1.39 / 1.3
Luminous Opening: (L: 0 ' x W: -0.52 ' x H: 0 '
CIE Type: Direct

Input Watts (W): 150
Input Voltage (V): NR
Input Current (A_{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



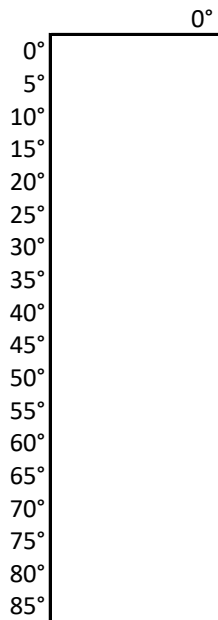


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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	68	68	68	68	66	66	66	66	63	63	63		61	61	61		58	58	58	57
1	63	61	59	58	62	60	58	57	58	56	55		55	54	53		53	53	52	51
2	59	55	52	49	58	54	51	49	52	50	48		50	48	47		49	47	46	44
3	55	50	46	43	53	49	45	42	47	44	42		46	43	41		44	42	40	39
4	51	45	41	38	50	44	40	37	43	40	37		42	39	36		41	38	36	35
5	47	41	37	33	46	40	36	33	39	36	33		38	35	33		37	34	32	31
6	44	37	33	30	43	37	33	30	36	32	30		35	32	29		34	31	29	28
7	41	34	30	27	40	34	30	27	33	29	27		32	29	27		32	29	26	25
8	39	32	27	24	38	31	27	24	31	27	24		30	27	24		29	26	24	23
9	36	29	25	22	35	29	25	22	28	25	22		28	24	22		27	24	22	21
10	34	27	23	20	33	27	23	20	26	23	20		26	23	20		25	22	20	19

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	70.4	4.3	2.5
10°-20°	236.7	14.5	8.3
20°-30°	369.2	22.7	13.0
30°-40°	392.4	24.1	13.8
40°-50°	279.9	17.2	9.8
50°-60°	139.6	8.6	4.9
60°-70°	81.8	5.0	2.9
70°-80°	43.9	2.7	1.5
80°-90°	14.2	0.9	0.5
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°	676.3	41.5	23.7
0°-40°	1068.7	65.6	37.5
0°-60°	1488.1	91.4	52.2
0°-90°	1628.0	100.0	57.1
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°	1628.0	100.0	57.1

CANDELA DISTRIBUTION:

	0°	Flux
0°	700	
5°	715	70
15°	841	237
25°	808	369
35°	632	392
45°	364	280
55°	151	140
65°	81	82
75°	41	44
85°	13	13
90°	0	1
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°	700
2.5°	699
5°	715
7.5°	744
10°	778
12.5°	815
15°	841
17.5°	854
20°	852
22.5°	834
25°	808
27.5°	772
30°	730
32.5°	682
35°	632
37.5°	578
40°	516
42.5°	442
45°	364
47.5°	286
50°	224
52.5°	181
55°	151
57.5°	128
60°	109
62.5°	95
65°	81
67.5°	71
70°	59
72.5°	50
75°	41
77.5°	33
80°	26
82.5°	19
85°	13
87.5°	7
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)