

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: H37012

Luminaire Tested: **H600T-1603C**

Issue Date: 3/3/2020

Test Information

Test Method: LM-46-04
Report Number: H37012
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
LOW SOCKET SETTING
Light Source: 100A19 100 WATTS 1750 LUMENS
A19 INSIDE FROSTED
Ballast/Driver: -

Summary

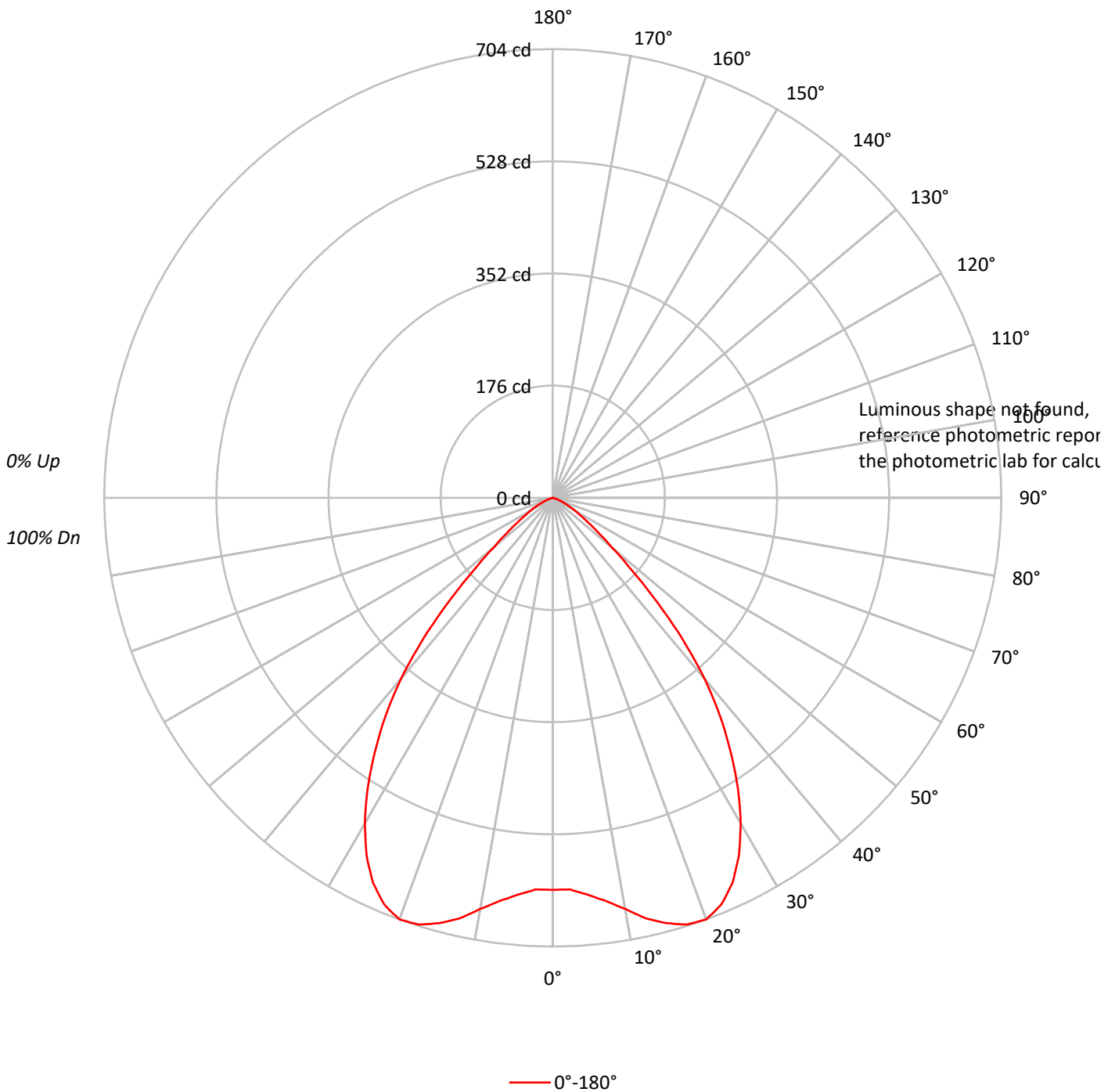
Lumens per Lamp: 1750 (1 lamp)
Luminaire Lumens: 1134.1 lumens
Efficiency: 64.8%
Efficacy: 11.3 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.22
Luminous Opening: (L: 0 ' x W: -0.52 ' x H: 0 '
CIE Type: Direct

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	77	77	77	77	75	75	75	75	72	72	72		69	69	69		66	66	66	65
1	73	71	69	67	71	69	68	66	67	65	64		64	63	62		62	61	60	59
2	68	65	61	59	67	63	61	58	61	59	57		59	57	56		57	56	54	53
3	64	59	55	52	63	58	54	52	56	53	51		55	52	50		53	51	49	48
4	60	54	50	46	59	53	49	46	52	48	46		50	47	45		49	47	44	43
5	56	50	45	42	55	49	45	41	48	44	41		46	43	41		45	43	40	39
6	52	46	41	38	51	45	41	38	44	40	37		43	40	37		42	39	37	36
7	49	42	37	34	48	42	37	34	41	37	34		40	36	34		39	36	34	32
8	46	39	34	31	45	39	34	31	38	34	31		37	33	31		36	33	31	30
9	44	36	32	29	43	36	32	29	35	31	28		35	31	28		34	31	28	27
10	41	34	29	26	40	33	29	26	33	29	26		32	29	26		32	28	26	25

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	60.6	5.3	3.5
10°-20°	195.5	17.2	11.2
20°-30°	303.7	26.8	17.4
30°-40°	301.9	26.6	17.3
40°-50°	181.0	16.0	10.3
50°-60°	64.5	5.7	3.7
60°-70°	22.0	1.9	1.3
70°-80°	4.5	0.4	0.3
80°-90°	0.4	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°	559.8	49.4	32.0
0°-40°	861.7	76.0	49.2
0°-60°	1107.2	97.6	63.3
0°-90°	1134.1	100.0	64.8
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°	1134.1	100.0	64.8

CANDELA DISTRIBUTION:

	0°	Flux
0°	615	
5°	625	61
15°	691	196
25°	667	304
35°	487	302
45°	232	181
55°	68	64
65°	21	22
75°	4	4
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	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	615
2.5°	615
5°	625
7.5°	638
10°	655
12.5°	676
15°	691
17.5°	702
20°	704
22.5°	691
25°	667
27.5°	633
30°	590
32.5°	541
35°	487
37.5°	431
40°	371
42.5°	303
45°	232
47.5°	168
50°	121
52.5°	91
55°	68
57.5°	51
60°	40
62.5°	30
65°	21
67.5°	14
70°	9
72.5°	6
75°	4
77.5°	2
80°	1
82.5°	1
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)