

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: H37002

Luminaire Tested: **H600T-1603C**

Issue Date: 3/3/2020

Test Information

Test Method: LM-46-04
Report Number: H37002
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 AND ANODIZED REFLECTOR AND CONE
LOW SOCKET SETTING
Light Source: 150A21 150 WATTS 2850 LUMENS
A21 INSIDE FROSTED
Ballast/Driver: -

Summary

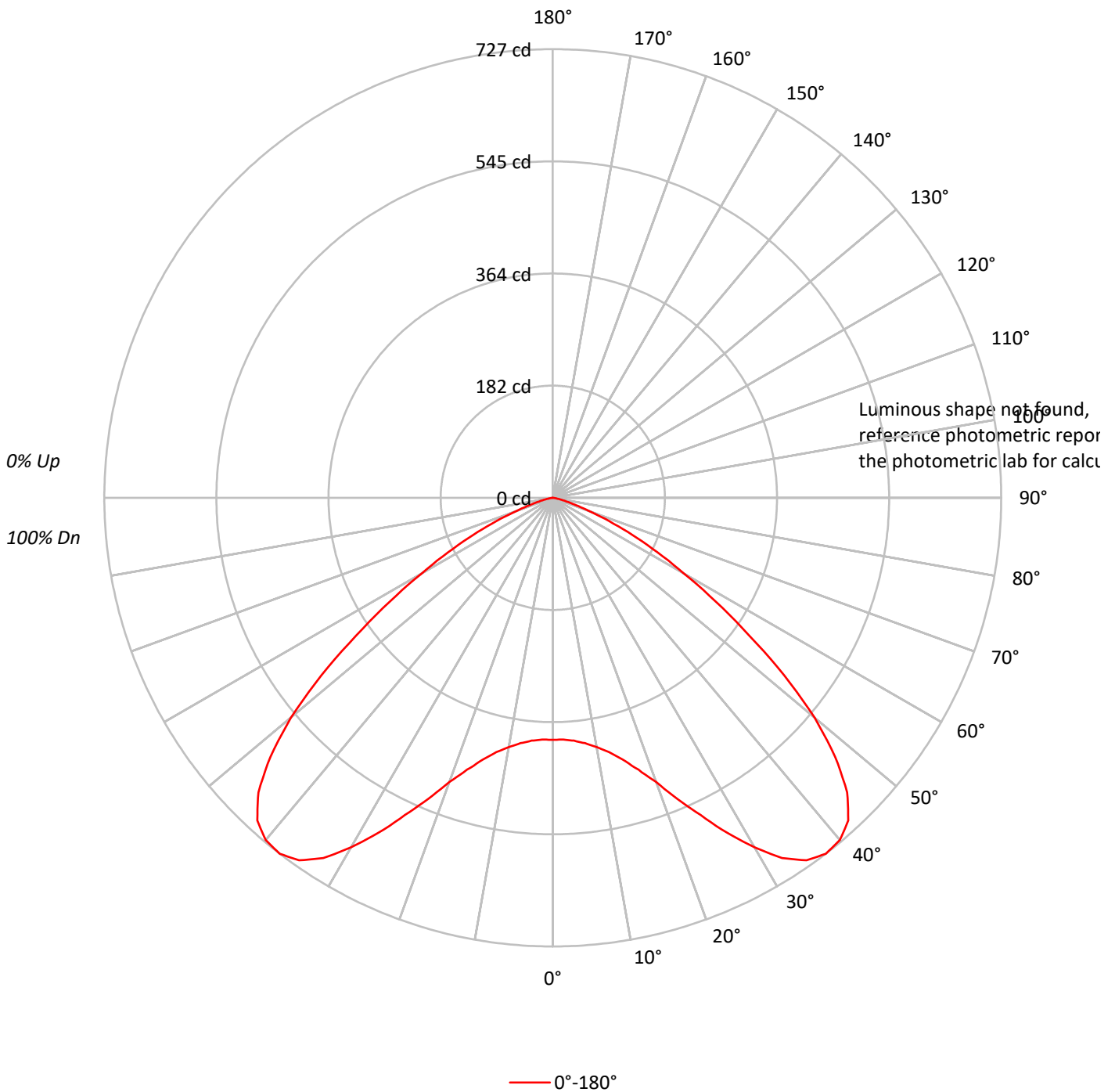
Lumens per Lamp: 2850 (1 lamp)
Luminaire Lumens: 1912.0 lumens
Efficiency: 67.1%
Efficacy: 12.7 lumens/watt
Spacing Criteria (0/90/45): 2.16 / 2.16 / 1.88
Luminous Opening: (L: 0 ' x W: -0.52 ' x H: 0 '
CIE Type: Direct

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



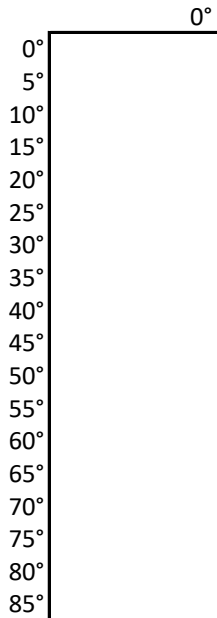


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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	80	80	80	80	78	78	78	78	75	75	75		71	71	71		68	68	68	67
1	74	71	69	67	72	70	68	66	67	65	64		64	63	62		62	61	60	58
2	68	63	59	55	66	62	58	55	59	56	53		57	55	52		55	53	51	50
3	62	55	50	46	60	54	50	46	52	48	45		51	47	44		49	46	44	42
4	57	49	43	39	55	48	43	39	47	42	38		45	41	38		44	40	37	36
5	52	44	38	33	51	43	37	33	41	37	33		40	36	33		39	35	32	31
6	48	39	33	29	46	38	33	29	37	32	28		36	32	28		35	31	28	27
7	44	35	29	25	43	34	29	25	33	28	25		32	28	25		31	27	24	23
8	41	32	26	22	40	31	26	22	30	25	22		29	25	22		29	24	21	20
9	38	29	23	19	37	28	23	19	27	23	19		27	22	19		26	22	19	18
10	35	26	21	17	34	26	21	17	25	20	17		24	20	17		24	20	17	16

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	38.2	2.0	1.3
10°-20°	126.8	6.6	4.4
20°-30°	266.0	13.9	9.3
30°-40°	444.5	23.2	15.6
40°-50°	510.1	26.7	17.9
50°-60°	350.6	18.3	12.3
60°-70°	144.3	7.5	5.1
70°-80°	28.7	1.5	1.0
80°-90°	2.9	0.1	0.1
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°	430.9	22.5	15.1
0°-40°	875.5	45.8	30.7
0°-60°	1736.1	90.8	60.9
0°-90°	1912.0	100.0	67.1
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°	1912.0	100.0	67.1

CANDELA DISTRIBUTION:

	0°	Flux
0°	392	
5°	395	38
15°	439	127
25°	567	266
35°	717	445
45°	675	510
55°	389	351
65°	142	144
75°	23	29
85°	2	3
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°	392
2.5°	392
5°	395
7.5°	401
10°	410
12.5°	422
15°	439
17.5°	462
20°	490
22.5°	528
25°	567
27.5°	612
30°	654
32.5°	692
35°	717
37.5°	727
40°	724
42.5°	709
45°	675
47.5°	621
50°	554
52.5°	473
55°	389
57.5°	313
60°	246
62.5°	191
65°	142
67.5°	99
70°	62
72.5°	39
75°	23
77.5°	13
80°	7
82.5°	4
85°	2
87.5°	1
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)