

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: H37001

Luminaire Tested: **H600T-1603C**

Issue Date: 3/3/2020

Test Information

Test Method: LM-46-04
Report Number: H37001
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
HIGH SOCKET SETTING
Light Source: 150A21 150 WATTS 2850 LUMENS
A21 INSIDE FROSTED
Ballast/Driver: -

Summary

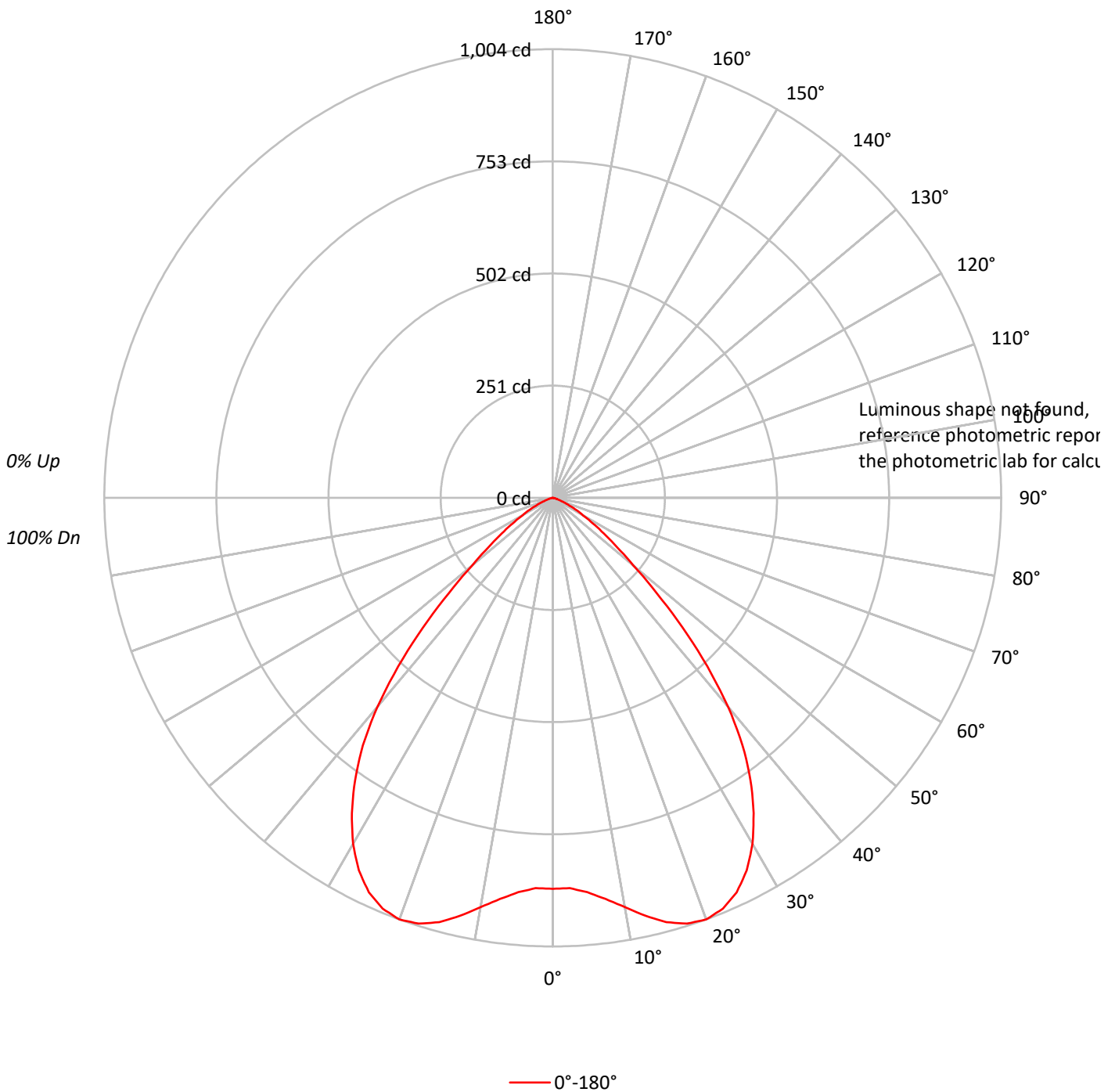
Lumens per Lamp: 2850 (1 lamp)
Luminaire Lumens: 1785.8 lumens
Efficiency: 62.7%
Efficacy: 11.9 lumens/watt
Spacing Criteria (0/90/45): 1.38 / 1.38 / 1.27
Luminous Opening: (L: 0 ' x W: -0.52 ' x H: 0 '
CIE Type: Direct

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



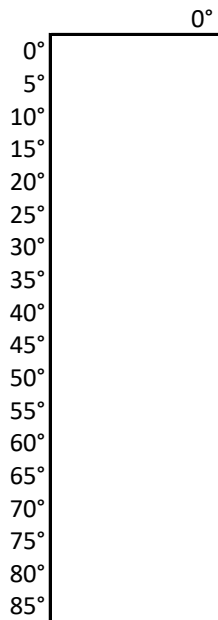


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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	75	75	75	75	73	73	73	73	70	70	70		67	67	67		64	64	64	63
1	70	68	66	65	69	67	65	64	64	63	62		62	61	60		60	59	58	57
2	66	62	59	56	64	61	58	56	59	56	54		57	55	53		55	53	52	51
3	61	56	52	49	60	55	52	49	54	51	48		52	50	47		51	48	47	46
4	57	51	47	44	56	51	47	44	49	46	43		48	45	42		47	44	42	41
5	53	47	42	39	52	46	42	39	45	41	39		44	41	38		43	40	38	37
6	50	43	38	35	49	42	38	35	41	38	35		41	37	34		40	37	34	33
7	47	40	35	32	46	39	35	32	38	34	31		37	34	31		37	33	31	30
8	44	37	32	29	43	36	32	29	35	31	29		35	31	29		34	31	28	27
9	41	34	29	26	40	33	29	26	33	29	26		32	29	26		32	28	26	25
10	39	31	27	24	38	31	27	24	31	27	24		30	26	24		30	26	24	23

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	86.0	4.8	3.0
10°-20°	278.0	15.6	9.8
20°-30°	444.9	24.9	15.6
30°-40°	477.1	26.7	16.7
40°-50°	317.6	17.8	11.1
50°-60°	129.4	7.2	4.5
60°-70°	43.7	2.4	1.5
70°-80°	8.1	0.5	0.3
80°-90°	1.0	0.1	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°	808.9	45.3	28.4
0°-40°	1286.0	72.0	45.1
0°-60°	1733.1	97.0	60.8
0°-90°	1785.8	100.0	62.7
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°	1785.8	100.0	62.7

CANDELA DISTRIBUTION:

	0°	Flux
0°	875	
5°	886	86
15°	983	278
25°	974	445
35°	772	477
45°	411	318
55°	139	129
65°	42	44
75°	7	8
85°	1	1
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°	875
2.5°	874
5°	886
7.5°	905
10°	930
12.5°	958
15°	983
17.5°	999
20°	1004
22.5°	995
25°	974
27.5°	940
30°	894
32.5°	837
35°	772
37.5°	698
40°	611
42.5°	512
45°	411
47.5°	315
50°	236
52.5°	181
55°	139
57.5°	106
60°	78
62.5°	60
65°	42
67.5°	28
70°	17
72.5°	10
75°	7
77.5°	4
80°	3
82.5°	1
85°	1
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)