

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: H37013

Luminaire Tested: **H600T-1603C**

Issue Date: 3/3/2020

Test Information

Test Method: LM-46-04
Report Number: H37013
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
HIGH SOCKET SETTING
Light Source: 150R40 150 WATTS 1900 LUMENS
R40 SPOT
Ballast/Driver: -

Summary

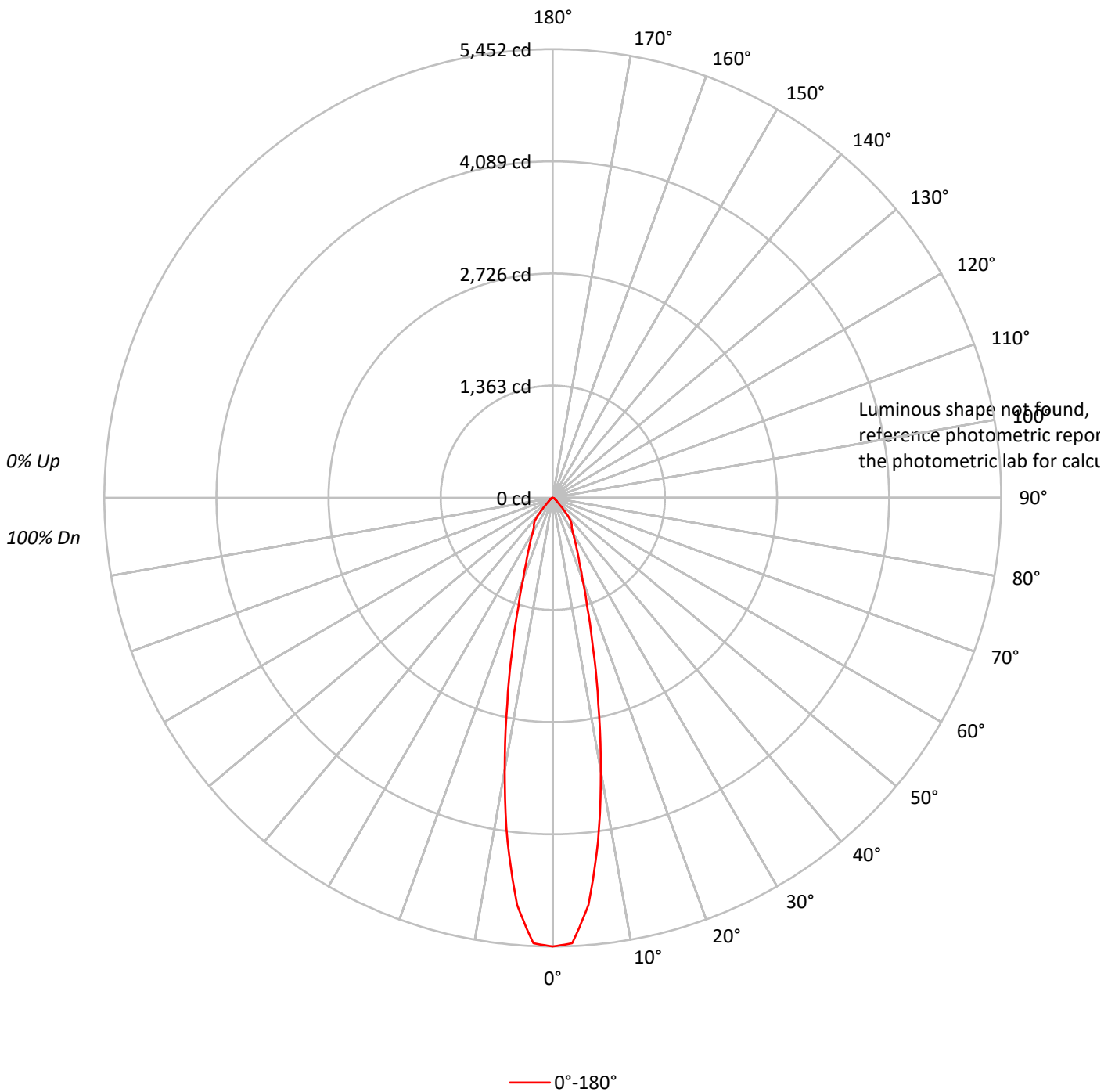
Lumens per Lamp: 1900 (1 lamp)
Luminaire Lumens: 1707.4 lumens
Efficiency: 89.9%
Efficacy: 11.4 lumens/watt
Spacing Criteria (0/90/45): 0.41 / 0.41 / 0.42
Luminous Opening: (L: 0 ' x W: -0.52 ' x H: 0 '
CIE Type: Direct

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



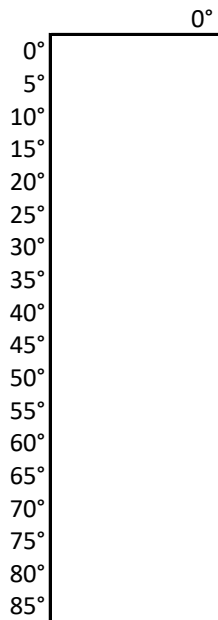


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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	107	107	107	107	104	104	104	104	100	100	100		96	96	96		92	92	92	90
1	102	100	98	96	100	98	96	94	94	93	92		91	90	89		88	87	86	85
2	98	94	90	87	96	92	89	86	89	87	85		87	85	83		84	83	81	80
3	93	88	84	81	92	87	83	80	85	81	79		82	80	78		80	78	76	75
4	89	83	79	75	88	82	78	75	80	77	74		78	75	73		77	74	72	71
5	85	79	74	70	84	78	73	70	76	72	70		75	72	69		74	71	68	67
6	82	75	70	66	81	74	70	66	73	69	66		72	68	65		70	67	65	64
7	79	71	66	63	78	71	66	63	70	65	63		69	65	62		68	64	62	61
8	76	68	63	60	75	68	63	60	67	63	60		66	62	59		65	62	59	58
9	73	65	60	57	72	65	60	57	64	60	57		63	60	57		63	59	57	56
10	70	63	58	55	69	62	58	55	62	58	55		61	57	55		60	57	54	53

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	420.7	24.6	22.1
10°-20°	537.0	31.5	28.3
20°-30°	326.7	19.1	17.2
30°-40°	245.9	14.4	12.9
40°-50°	106.4	6.2	5.6
50°-60°	40.7	2.4	2.1
60°-70°	22.7	1.3	1.2
70°-80°	6.7	0.4	0.4
80°-90°	0.5	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°	1284.4	75.2	67.6
0°-40°	1530.3	89.6	80.5
0°-60°	1677.4	98.2	88.3
0°-90°	1707.4	100.0	89.9
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°	1707.4	100.0	89.9

CANDELA DISTRIBUTION:

	0°	Flux
0°	5452	
5°	4966	421
15°	1887	537
25°	694	327
35°	399	246
45°	119	106
55°	44	41
65°	23	23
75°	6	7
85°	0	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°	5452
2.5°	5419
5°	4966
7.5°	4216
10°	3365
12.5°	2559
15°	1887
17.5°	1393
20°	1058
22.5°	842
25°	694
27.5°	580
30°	486
32.5°	430
35°	399
37.5°	362
40°	290
42.5°	189
45°	119
47.5°	78
50°	62
52.5°	52
55°	44
57.5°	39
60°	33
62.5°	28
65°	23
67.5°	18
70°	13
72.5°	9
75°	6
77.5°	3
80°	2
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)