

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: H37006

Luminaire Tested: **H600T-1603C**

Issue Date: 3/3/2020

Test Information

Test Method: LM-46-04
Report Number: H37006
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: 150PAR38 150 WATTS 1740 LUMENS
PAR38 FLOOD
Ballast/Driver: -

Summary

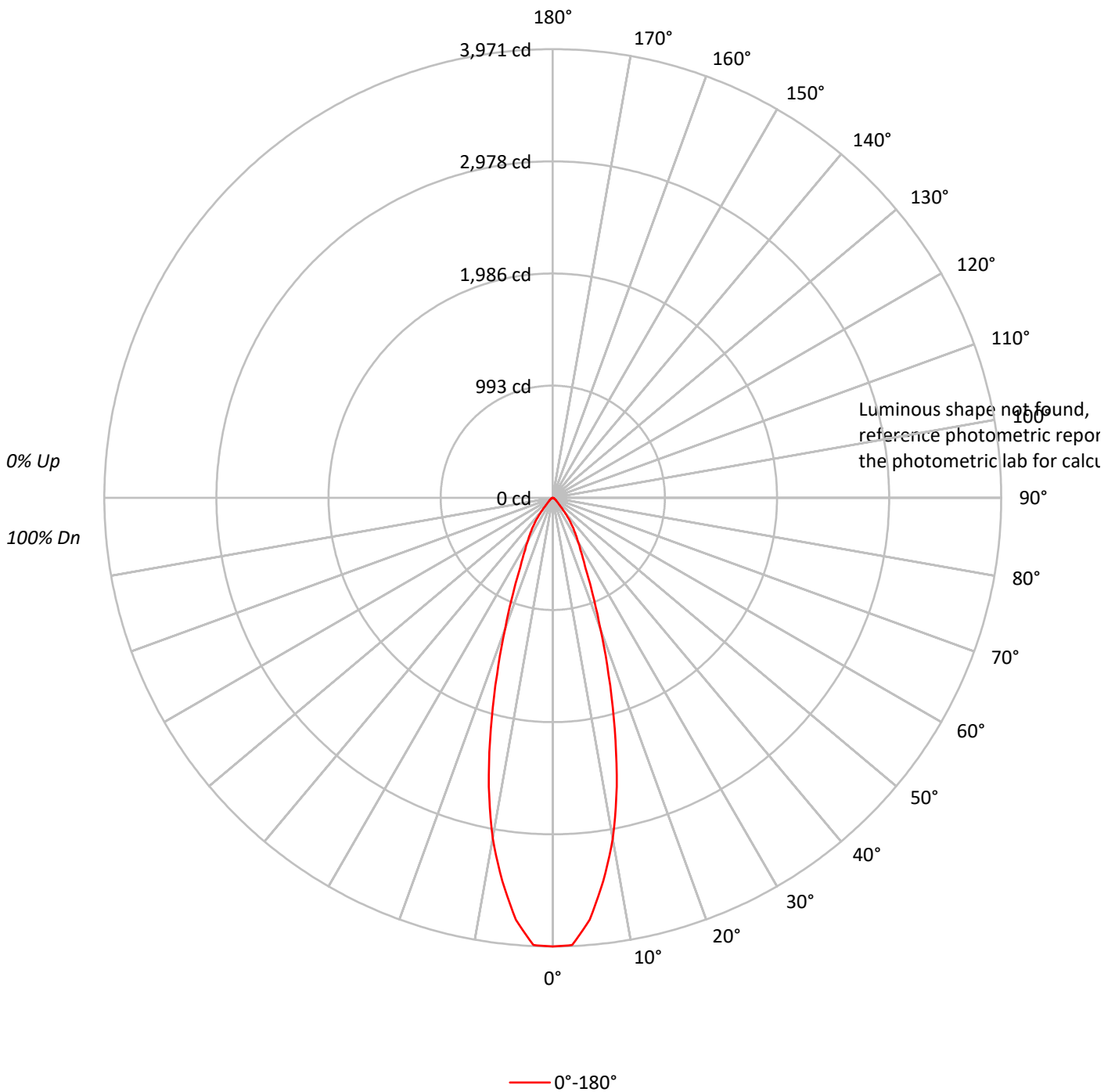
Lumens per Lamp: 1740 (1 lamp)
Luminaire Lumens: 1529.8 lumens
Efficiency: 87.9%
Efficacy: 10.2 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.52
Luminous Opening: (L: 0 ' x W: -0.52 ' x H: 0 '
CIE Type: Direct

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



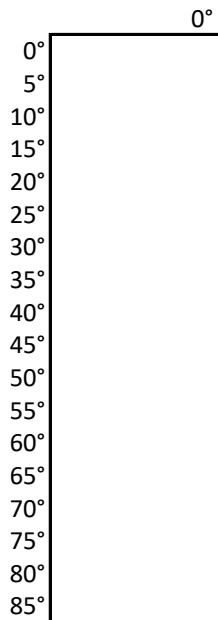


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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	105	105	105	105	102	102	102	102	98	98	98		94	94	94		90	90	90	88
1	100	98	96	94	98	96	94	93	93	91	90		89	88	87		86	86	85	83
2	96	92	89	86	94	91	88	85	88	86	84		85	83	82		83	81	80	79
3	92	87	83	80	90	86	82	79	84	81	78		81	79	77		80	78	76	75
4	88	82	78	75	87	81	77	74	80	76	74		78	75	73		76	74	72	71
5	85	78	74	70	83	77	73	70	76	72	69		74	71	69		73	70	68	67
6	81	74	70	67	80	74	69	66	73	69	66		71	68	66		70	67	65	64
7	78	71	66	63	77	70	66	63	69	66	63		68	65	62		67	64	62	61
8	75	68	63	60	74	67	63	60	67	63	60		66	62	60		65	62	59	58
9	72	65	61	58	71	65	60	58	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	55	54

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	335.0	21.9	19.3
10°-20°	576.9	37.7	33.2
20°-30°	334.7	21.9	19.2
30°-40°	182.6	11.9	10.5
40°-50°	58.8	3.8	3.4
50°-60°	26.3	1.7	1.5
60°-70°	12.0	0.8	0.7
70°-80°	3.3	0.2	0.2
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°	1246.5	81.5	71.6
0°-40°	1429.1	93.4	82.1
0°-60°	1514.2	99.0	87.0
0°-90°	1529.8	100.0	87.9
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°	1529.8	100.0	87.9

CANDELA DISTRIBUTION:

	0°	Flux
0°	3971	
5°	3747	335
15°	2119	577
25°	686	335
35°	297	183
45°	67	59
55°	29	26
65°	12	12
75°	3	3
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	0



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3971
2.5°	3962
5°	3747
7.5°	3421
10°	3062
12.5°	2618
15°	2119
17.5°	1642
20°	1227
22.5°	916
25°	686
27.5°	543
30°	447
32.5°	368
35°	297
37.5°	222
40°	150
42.5°	98
45°	67
47.5°	49
50°	41
52.5°	35
55°	29
57.5°	24
60°	19
62.5°	15
65°	12
67.5°	9
70°	6
72.5°	4
75°	3
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)