

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: HALO

Report Number: H36028

Luminaire Tested: **H5T 5012**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: H36028
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: H5T 5012
Description: HALO 5" DIA RECESSED DOWNLIGHT
BLACK BAFFLE
Light Source: 75PAR30/FL/H 75 WATTS 1100 LUMENS
PAR30 HALOGEN FLOOD
Ballast/Driver: -

Summary

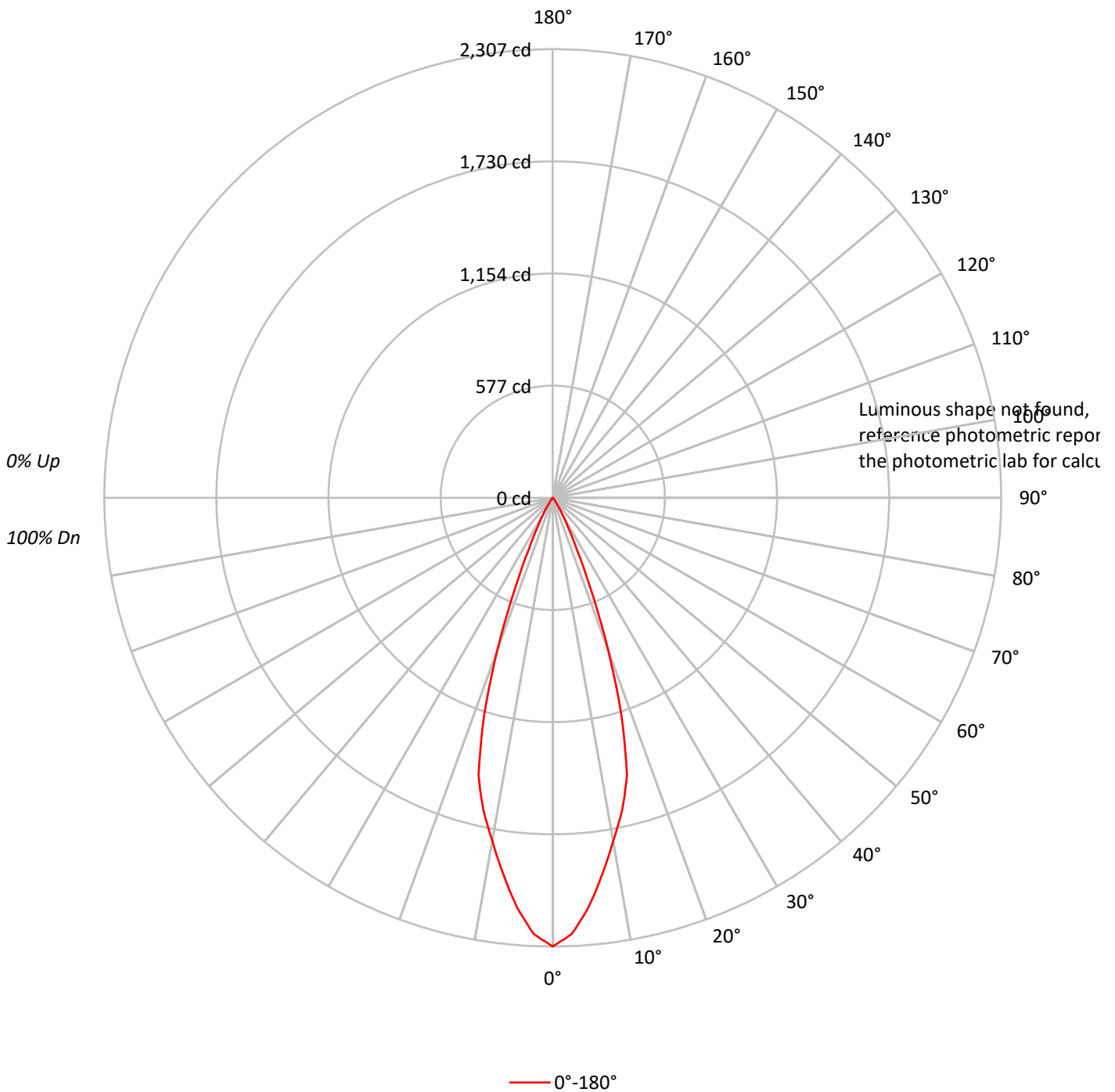
Lumens per Lamp: 1100 (1 lamp)
Luminaire Lumens: 757.2 lumens
Efficiency: 68.8%
Efficacy: 10.1 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.54
Luminous Opening: (L: 0 ' x W: -0.38 ' x H: 0 '
CIE Type: Direct

Input Watts (W): 75
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



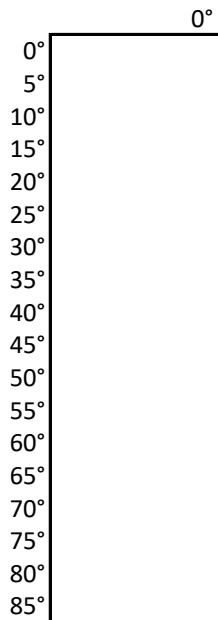


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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	82	82	82	82	80	80	80	80	76	76	76	73	73	73	70	70	70	69		
1	79	78	76	75	77	76	75	74	73	72	72	71	70	69	68	68	67	66		
2	76	74	72	70	75	73	71	69	70	69	68	68	67	66	67	66	65	64		
3	74	70	68	66	72	69	67	65	68	66	64	66	65	63	65	63	62	61		
4	71	67	64	62	70	67	64	62	65	63	61	64	62	61	63	61	60	59		
5	69	65	62	59	68	64	61	59	63	61	59	62	60	58	61	59	58	57		
6	67	62	59	57	66	62	59	57	61	58	56	60	58	56	59	57	56	55		
7	65	60	57	55	64	59	57	55	59	56	54	58	56	54	57	55	54	53		
8	63	58	55	53	62	57	55	53	57	54	52	56	54	52	56	54	52	51		
9	61	56	53	51	60	56	53	51	55	52	51	54	52	50	54	52	50	50		
10	59	54	51	49	58	54	51	49	53	51	49	53	50	49	52	50	49	48		

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	191.4	25.3	17.4
10°-20°	383.7	50.7	34.9
20°-30°	155.8	20.6	14.2
30°-40°	22.6	3.0	2.1
40°-50°	3.2	0.4	0.3
50°-60°	0.5	0.1	0.0
60°-70°	0.0	0.0	0.0
70°-80°	0.0	0.0	0.0
80°-90°	0.0	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°	730.8	96.5	66.4
0°-40°	753.4	99.5	68.5
0°-60°	757.2	100.0	68.8
0°-90°	757.2	100.0	68.8
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°	757.2	100.0	68.8

CANDELA DISTRIBUTION:

	0°	Flux
0°	2307	
5°	2113	191
15°	1475	384
25°	288	156
35°	28	23
45°	4	3
55°	1	1
65°	0	0
75°	0	0
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°	2307
2.5°	2245
5°	2113
7.5°	1952
10°	1791
12.5°	1648
15°	1475
17.5°	1175
20°	830
22.5°	512
25°	288
27.5°	166
30°	98
32.5°	54
35°	28
37.5°	15
40°	9
42.5°	6
45°	4
47.5°	2
50°	1
52.5°	1
55°	1
57.5°	0
60°	0
62.5°	0
65°	0
67.5°	0
70°	0
72.5°	0
75°	0
77.5°	0
80°	0
82.5°	0
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)