

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: H36046

Luminaire Tested: **H5T 5010W**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: H36046
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: H5T 5010W
Description: HALO 5" DIA RECESSED DOWNLIGHT
WHITE BAFFLE
LOW SOCKET SETTING
Light Source: 75PAR30/FL/H 75 WATTS 1100 LUMENS
PAR30 HALOGEN FLOOD
Ballast/Driver: -

Summary

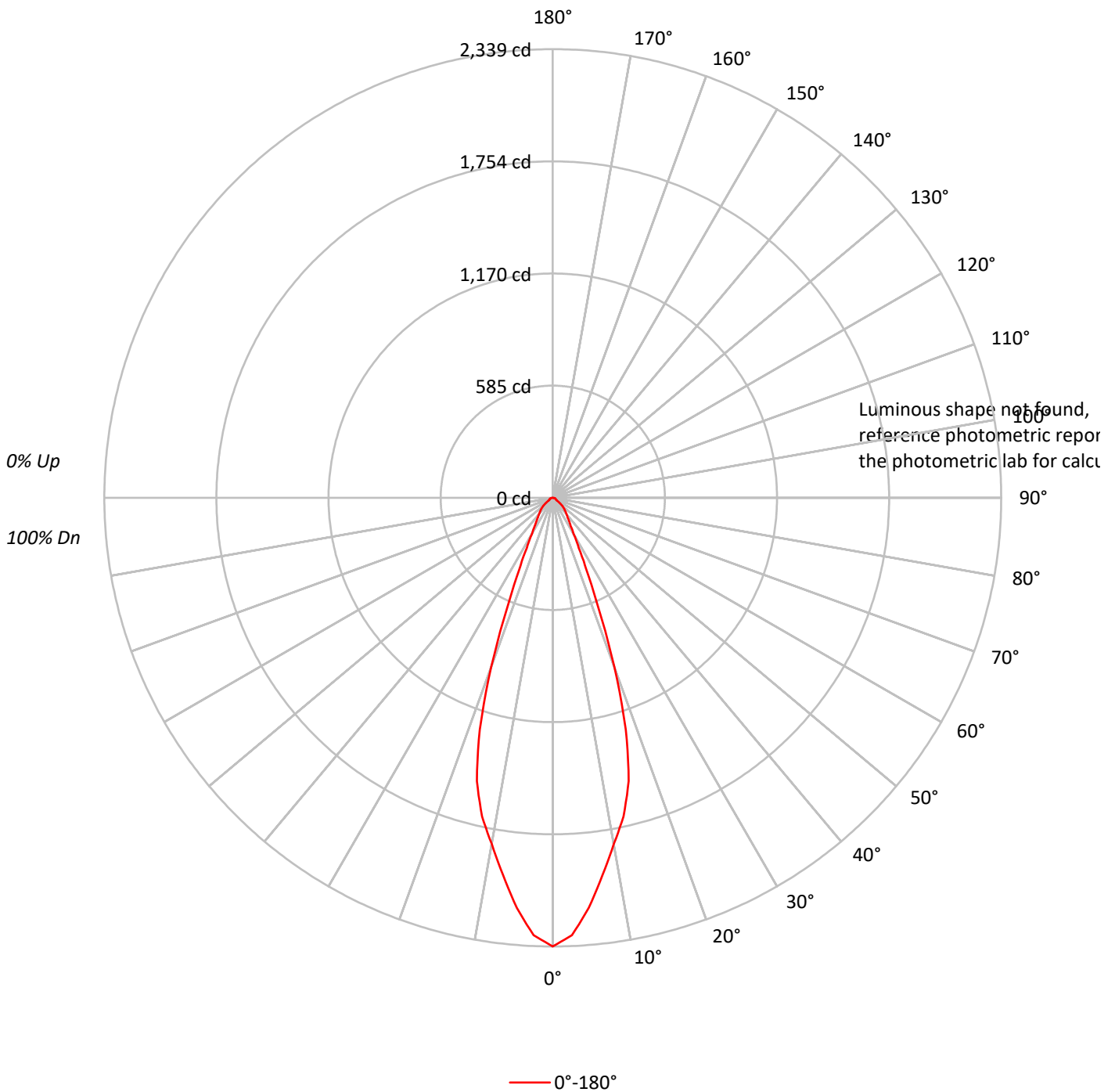
Lumens per Lamp: 1100 (1 lamp)
Luminaire Lumens: 1041.3 lumens
Efficiency: 94.7%
Efficacy: 13.9 lumens/watt
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.56
Luminous Opening: (L: 0' x W: -0.38' x H: 0'
CIE Type: Direct

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



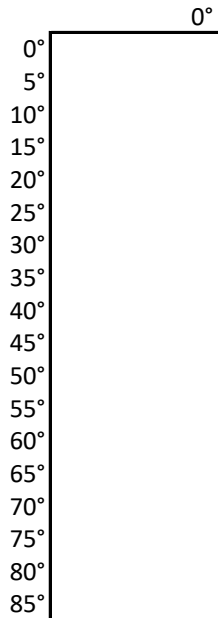


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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	113	113	113	113	110	110	110	110	105	105	105		101	101	101		97	97	97	95
1	107	105	102	100	105	103	101	99	99	97	96		95	94	93		92	91	90	88
2	102	98	94	91	100	96	93	90	93	90	88		90	88	86		88	86	84	83
3	98	92	87	83	96	90	86	83	88	84	81		86	83	80		83	81	79	78
4	93	86	81	78	91	85	81	77	83	79	76		81	78	75		80	77	74	73
5	89	82	76	73	88	81	76	72	79	75	72		78	74	71		76	73	70	69
6	85	77	72	68	84	77	72	68	75	71	68		74	70	67		73	69	67	66
7	82	74	68	65	81	73	68	65	72	68	64		71	67	64		70	66	64	62
8	79	70	65	62	77	70	65	61	69	64	61		68	64	61		67	63	61	60
9	76	67	62	59	75	67	62	59	66	62	58		65	61	58		64	61	58	57
10	73	64	59	56	72	64	59	56	63	59	56		63	59	56		62	58	56	55

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	194.7	18.7	17.7
10°-20°	404.0	38.8	36.7
20°-30°	211.0	20.3	19.2
30°-40°	95.1	9.1	8.6
40°-50°	67.0	6.4	6.1
50°-60°	33.9	3.3	3.1
60°-70°	17.6	1.7	1.6
70°-80°	12.9	1.2	1.2
80°-90°	5.0	0.5	0.5
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°	809.8	77.8	73.6
0°-40°	904.8	86.9	82.3
0°-60°	1005.8	96.6	91.4
0°-90°	1041.3	100.0	94.7
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°	1041.3	100.0	94.7

CANDELA DISTRIBUTION:

	0°	Flux
0°	2339	
5°	2146	195
15°	1529	404
25°	415	211
35°	147	95
45°	87	67
55°	36	34
65°	18	18
75°	12	13
85°	5	5
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°	2339
2.5°	2282
5°	2146
7.5°	1984
10°	1833
12.5°	1702
15°	1529
17.5°	1266
20°	936
22.5°	618
25°	415
27.5°	294
30°	219
32.5°	175
35°	147
37.5°	126
40°	112
42.5°	99
45°	87
47.5°	75
50°	63
52.5°	49
55°	36
57.5°	26
60°	21
62.5°	19
65°	18
67.5°	16
70°	15
72.5°	14
75°	12
77.5°	11
80°	9
82.5°	7
85°	5
87.5°	2
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)