

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: H36041

Luminaire Tested: **H5ICAT 5001P**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: H36041
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: H5ICAT 5001P
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

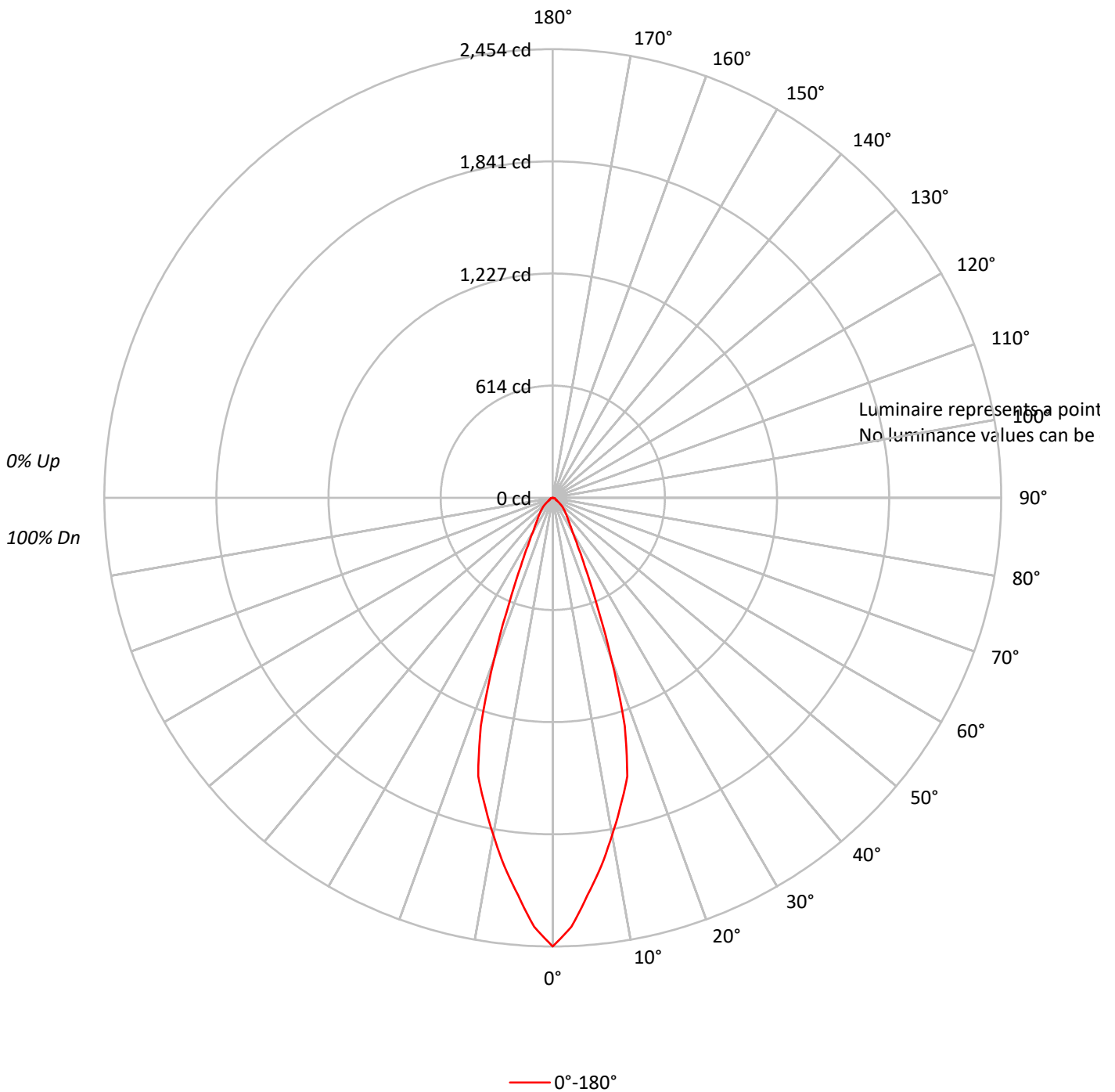
Lumens per Lamp: 1100 (1 lamp)
Luminaire Lumens: 1039.3 lumens
Efficiency: 94.5%
Efficacy: 13.9 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.55
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

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



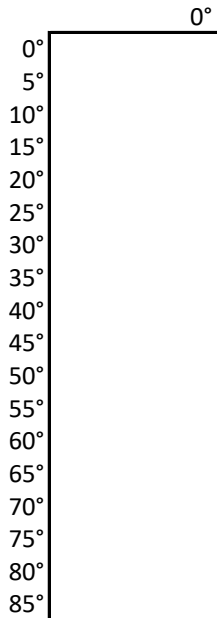


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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	112	112	112	112	110	110	110	110	105	105	105	101	101	101	96	96	96	94
1	107	105	103	100	105	103	101	99	99	97	96	95	94	93	92	91	90	89
2	102	98	94	91	100	96	93	90	93	91	88	91	88	86	88	86	85	83
3	98	92	88	84	96	91	87	83	88	85	82	86	83	81	84	82	80	78
4	93	87	82	78	92	86	81	78	84	80	77	82	79	76	80	77	75	74
5	89	82	77	73	88	81	77	73	80	76	72	78	75	72	77	74	71	70
6	86	78	73	69	84	77	73	69	76	72	69	75	71	68	74	70	68	66
7	82	74	69	66	81	74	69	65	73	68	65	72	68	65	71	67	64	63
8	79	71	66	62	78	70	66	62	70	65	62	69	65	62	68	64	62	60
9	76	68	63	60	75	68	63	60	67	62	59	66	62	59	65	62	59	58
10	73	65	60	57	72	65	60	57	64	60	57	63	59	57	63	59	57	55

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	199.2	19.2	18.1
10°-20°	413.1	39.7	37.6
20°-30°	210.5	20.2	19.1
30°-40°	95.1	9.1	8.6
40°-50°	63.5	6.1	5.8
50°-60°	28.2	2.7	2.6
60°-70°	16.6	1.6	1.5
70°-80°	10.5	1.0	1.0
80°-90°	2.7	0.3	0.2
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°	822.7	79.2	74.8
0°-40°	917.8	88.3	83.4
0°-60°	1009.5	97.1	91.8
0°-90°	1039.3	100.0	94.5
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°	1039.3	100.0	94.5

CANDELA DISTRIBUTION:

	0°	Flux
0°	2454	
5°	2182	199
15°	1576	413
25°	413	210
35°	147	95
45°	83	63
55°	28	28
65°	17	17
75°	10	11
85°	2	3
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°	2454
2.5°	2348
5°	2182
7.5°	2031
10°	1872
12.5°	1721
15°	1576
17.5°	1309
20°	936
22.5°	616
25°	413
27.5°	293
30°	219
32.5°	176
35°	147
37.5°	126
40°	110
42.5°	97
45°	83
47.5°	69
50°	54
52.5°	40
55°	28
57.5°	22
60°	20
62.5°	18
65°	17
67.5°	15
70°	14
72.5°	12
75°	10
77.5°	8
80°	6
82.5°	4
85°	2
87.5°	1
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)