

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: H36030

Luminaire Tested: **H5ICAT 5001P**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: H36030
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
HIGH SOCKET SETTING
Light Source: 75R30FL 75 WATTS 900 LUMENS
R30 FLOOD
Ballast/Driver: -

Summary

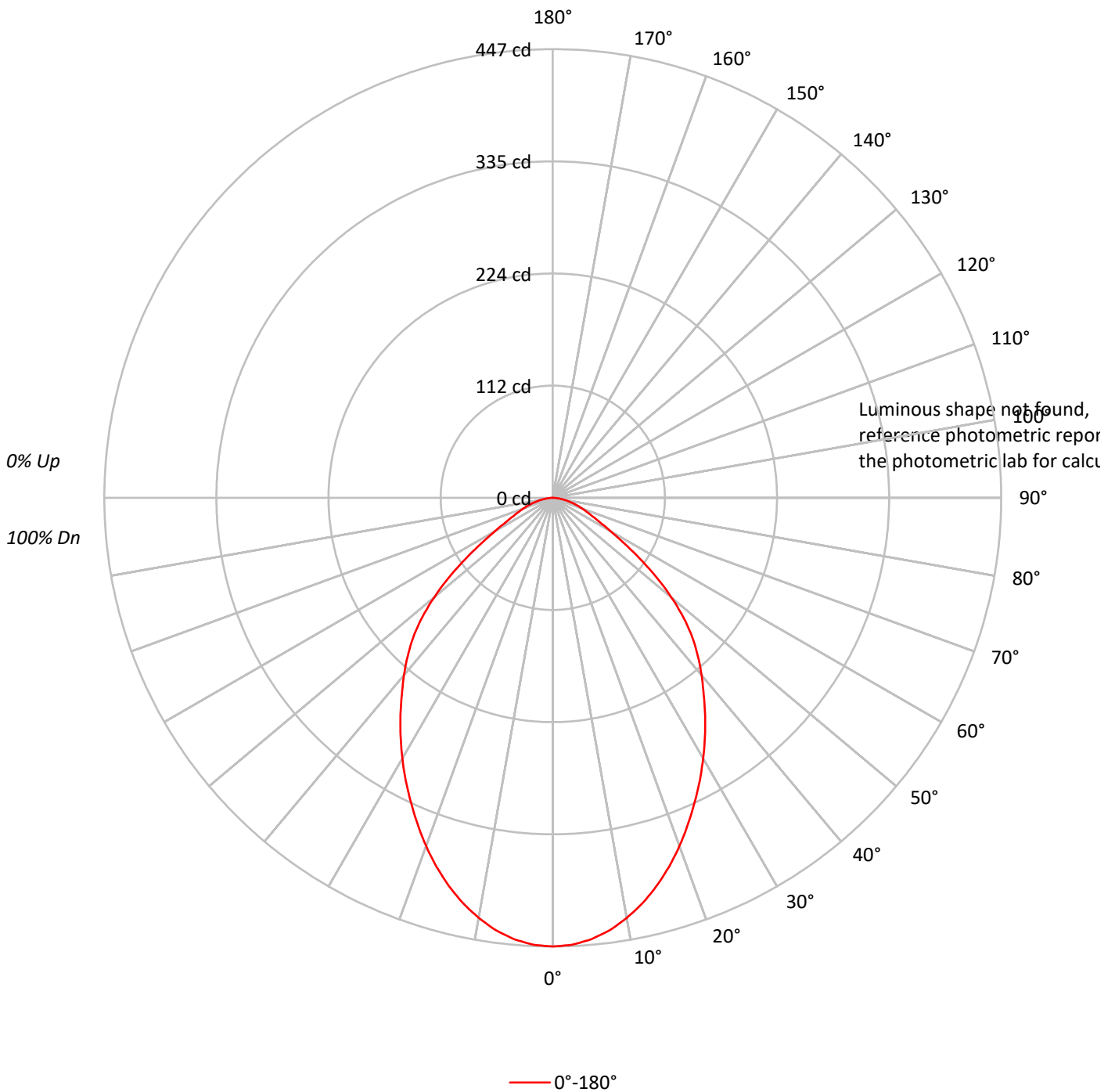
Lumens per Lamp: 900 (1 lamp)
Luminaire Lumens: 792.1 lumens
Efficiency: 88.0%
Efficacy: 10.6 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1.14
Luminous Opening: (L: 0 ' x W: -0.4 ' x H: 0 '
CIE Type: Direct

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



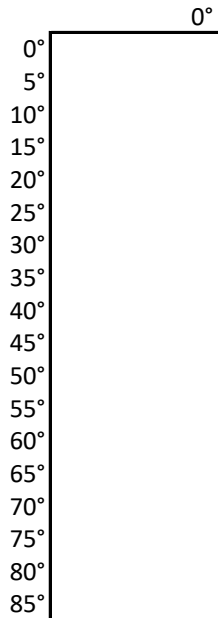


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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	105	105	105	105	102	102	102	102	98	98	98		94	94	94		90	90	90	88
1	98	94	91	88	95	92	89	87	89	86	84		85	83	82		82	81	79	78
2	90	84	79	75	88	83	78	74	80	76	73		77	74	71		74	72	69	68
3	84	76	70	65	82	74	69	64	72	67	63		70	66	62		67	64	61	59
4	77	68	62	57	76	67	61	56	65	60	56		63	59	55		61	57	54	52
5	72	62	55	50	70	61	55	50	59	54	49		58	53	49		56	52	48	47
6	67	57	50	45	65	56	49	44	54	48	44		53	48	44		52	47	43	42
7	63	52	45	40	61	51	45	40	50	44	40		49	43	39		48	43	39	38
8	59	48	41	36	57	47	41	36	46	40	36		45	40	36		44	39	36	34
9	55	44	38	33	54	44	37	33	43	37	33		42	36	33		41	36	33	31
10	52	41	35	30	51	41	34	30	40	34	30		39	34	30		38	33	30	29

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	41.6	5.3	4.6
10°-20°	112.3	14.2	12.5
20°-30°	154.0	19.4	17.1
30°-40°	165.5	20.9	18.4
40°-50°	150.3	19.0	16.7
50°-60°	96.0	12.1	10.7
60°-70°	44.9	5.7	5.0
70°-80°	22.1	2.8	2.5
80°-90°	5.5	0.7	0.6
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°	307.9	38.9	34.2
0°-40°	473.4	59.8	52.6
0°-60°	719.6	90.9	80.0
0°-90°	792.1	100.0	88.0
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°	792.1	100.0	88.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	447	
5°	442	42
15°	400	112
25°	335	154
35°	265	165
45°	197	150
55°	106	96
65°	44	45
75°	21	22
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	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	447.0
2.5°	445.7
5°	441.5
7.5°	434.6
10°	425.0
12.5°	413.7
15°	400.2
17.5°	385.4
20°	369.2
22.5°	352.1
25°	334.7
27.5°	317.3
30°	299.8
32.5°	282.2
35°	264.6
37.5°	247.0
40°	230.7
42.5°	214.2
45°	196.8
47.5°	176.9
50°	154.4
52.5°	130.6
55°	106.2
57.5°	84.2
60°	66.1
62.5°	53.0
65°	43.6
67.5°	36.6
70°	31.0
72.5°	25.9
75°	20.7
77.5°	15.9
80°	11.5
82.5°	7.7
85°	4.6
87.5°	2.1
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.0
100°	0.0
102.5°	0.0
105°	0.0
107.5°	0.0
110°	0.0



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	0.0
115°	0.0
117.5°	0.0
120°	0.0
122.5°	0.0
125°	0.0
127.5°	0.0
130°	0.0
132.5°	0.0
135°	0.0
137.5°	0.0
140°	0.0
142.5°	0.0
145°	0.0
147.5°	0.0
150°	0.0
152.5°	0.0
155°	0.0
157.5°	0.0
160°	0.0
162.5°	0.0
165°	0.0
167.5°	0.0
170°	0.0
172.5°	0.0
175°	0.0
177.5°	0.0
180°	0.0

(END OF REPORT)