

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: H36033

Luminaire Tested: **H5T 5012**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: H36033
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
HIGH SOCKET SETTING
Light Source: 75R30FL 75 WATTS 900 LUMENS
R30 FLOOD
Ballast/Driver: -

Summary

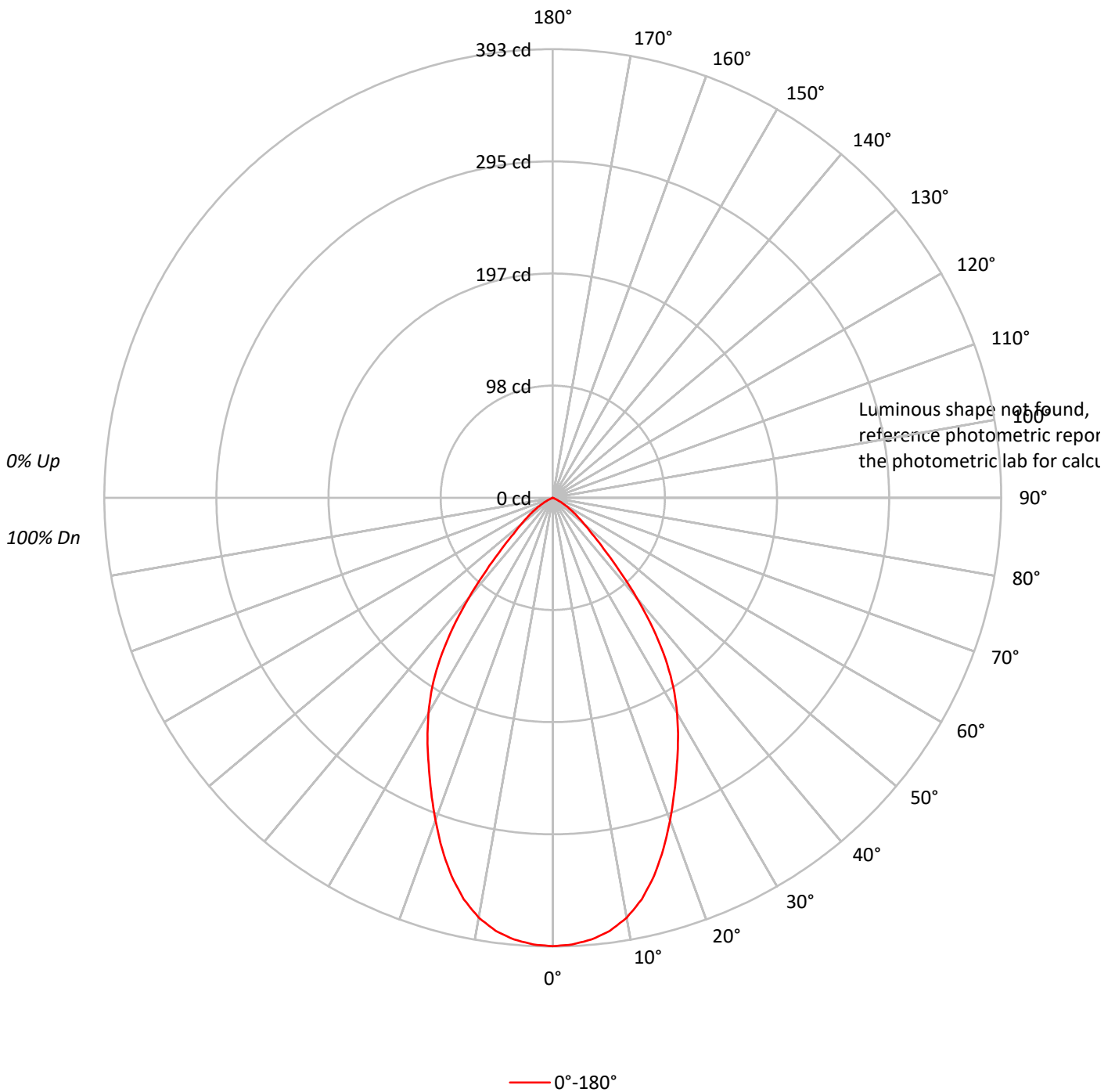
Lumens per Lamp: 900 (1 lamp)
Luminaire Lumens: 432.4 lumens
Efficiency: 48.0%
Efficacy: 5.8 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.98
Luminous Opening: (L: 0 ' x W: -0.4 ' x H: 0 '
CIE Type: Direct

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



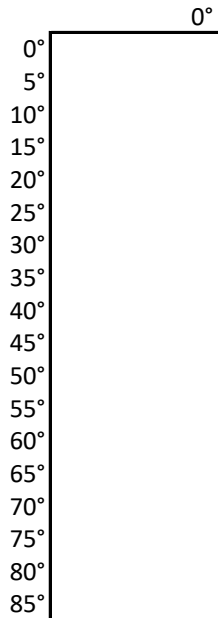


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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	57	57	57	57	56	56	56	56	53	53	53		51	51	51		49	49	49	48
1	54	53	51	50	53	52	51	50	50	49	48		48	47	47		46	46	45	44
2	51	49	46	45	50	48	46	44	46	45	43		45	43	42		43	42	41	41
3	48	45	42	40	47	44	42	40	43	41	39		42	40	38		41	39	38	37
4	45	41	38	36	45	41	38	36	40	37	36		39	37	35		38	36	35	34
5	43	38	35	33	42	38	35	33	37	34	32		36	34	32		35	33	32	31
6	40	36	32	30	40	35	32	30	34	32	30		34	31	30		33	31	29	29
7	38	33	30	28	37	33	30	28	32	29	28		32	29	27		31	29	27	26
8	36	31	28	26	35	31	28	26	30	27	25		30	27	25		29	27	25	25
9	34	29	26	24	34	29	26	24	28	26	24		28	25	24		27	25	23	23
10	32	27	24	22	32	27	24	22	27	24	22		26	24	22		26	24	22	21

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	36.6	8.5	4.1
10°-20°	95.5	22.1	10.6
20°-30°	118.4	27.4	13.2
30°-40°	105.5	24.4	11.7
40°-50°	51.6	11.9	5.7
50°-60°	19.9	4.6	2.2
60°-70°	4.3	1.0	0.5
70°-80°	0.5	0.1	0.1
80°-90°	0.1	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°	250.5	57.9	27.8
0°-40°	356.0	82.3	39.6
0°-60°	427.6	98.9	47.5
0°-90°	432.4	100.0	48.0
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°	432.4	100.0	48.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	393	
5°	388	37
15°	343	95
25°	258	118
35°	172	105
45°	63	52
55°	22	20
65°	3	4
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°	392.7
2.5°	391.6
5°	388.4
7.5°	382.6
10°	373.4
12.5°	360.2
15°	342.9
17.5°	322.5
20°	300.5
22.5°	278.5
25°	257.5
27.5°	237.7
30°	217.9
32.5°	196.6
35°	172.4
37.5°	144.4
40°	114.6
42.5°	86.0
45°	63.0
47.5°	46.7
50°	36.0
52.5°	28.4
55°	21.8
57.5°	16.1
60°	11.1
62.5°	6.8
65°	3.3
67.5°	1.3
70°	0.9
72.5°	0.6
75°	0.4
77.5°	0.3
80°	0.2
82.5°	0.1
85°	0.1
87.5°	0.0
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)