

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: H36047

Luminaire Tested: **H5T 5012W**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: H36047  
Test Lab:  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: H5T 5012W  
Description: HALO 5" DIA RECESSED DOWNLIGHT  
WHITE BAFFLE  
Light Source: 75PAR30/FL/H 75 WATTS 1100 LUMENS  
PAR30 HALOGEN FLOOD  
Ballast/Driver: -

**Summary**

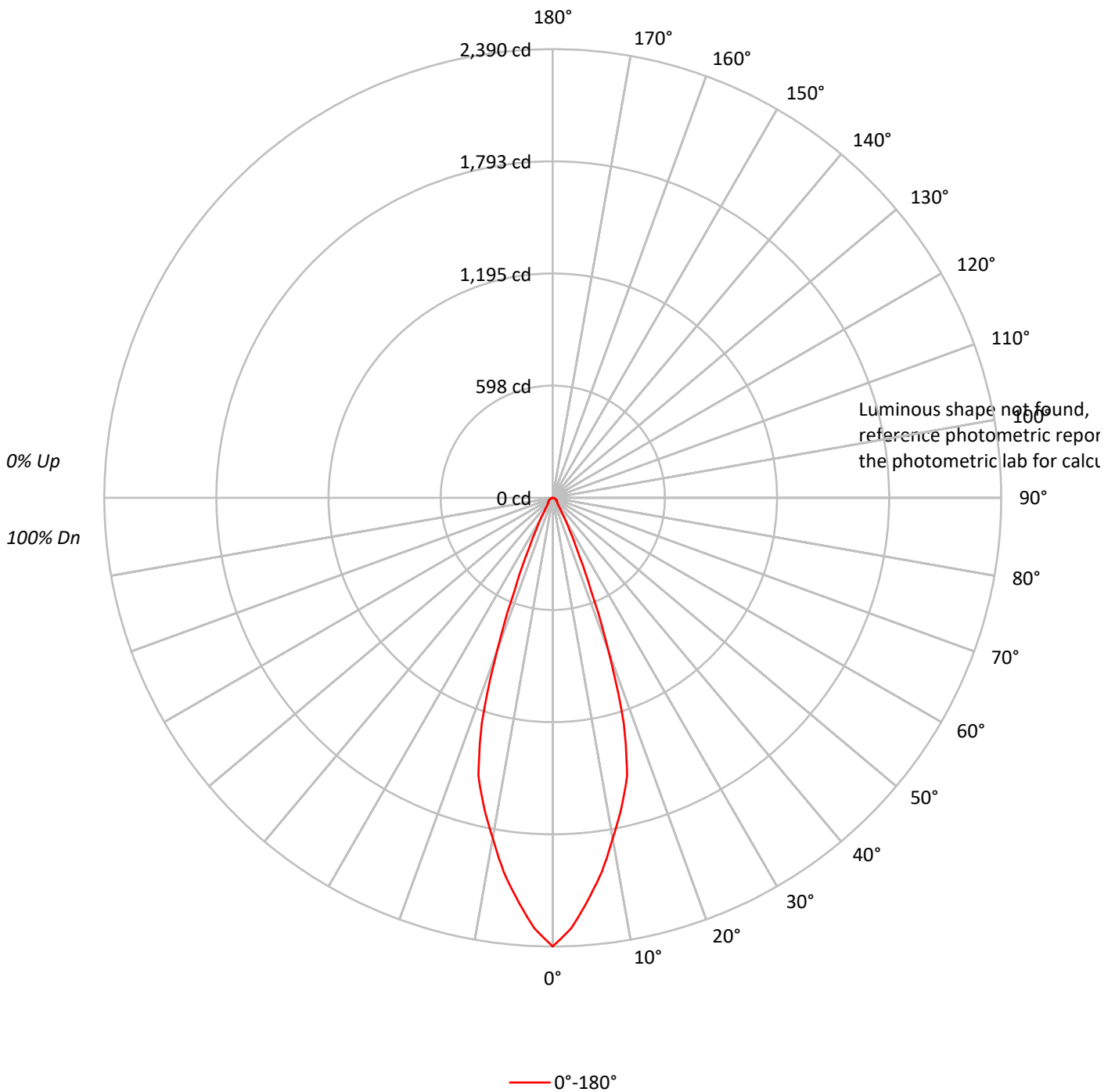
Lumens per Lamp: 1100 (1 lamp)  
Luminaire Lumens: 877.7 lumens  
Efficiency: 79.8%  
Efficacy: 11.7 lumens/watt  
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.54  
Luminous Opening: (L: 0 ' x W: -0.38 ' x H: 0 '  
CIE Type: Direct

Input Watts (W): 75  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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



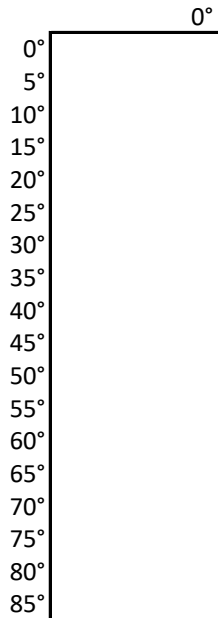


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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

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	95	95	95	95	93	93	93	93	89	89	89		85	85	85		81	81	81	80
1	91	89	87	85	89	87	86	84	84	83	81		81	80	79		78	78	77	75
2	87	84	81	78	85	82	80	77	80	78	76		77	76	74		75	74	73	71
3	84	79	76	73	82	78	75	72	76	73	71		74	72	70		72	70	69	68
4	80	75	71	68	79	74	71	68	73	70	67		71	68	66		70	67	66	65
5	77	72	68	65	76	71	67	64	69	66	64		68	65	63		67	65	63	62
6	74	68	64	61	73	68	64	61	67	63	61		66	63	60		65	62	60	59
7	72	66	62	59	71	65	61	59	64	61	58		63	60	58		62	60	58	57
8	69	63	59	56	68	63	59	56	62	58	56		61	58	56		60	58	55	55
9	67	61	57	54	66	60	56	54	60	56	54		59	56	54		58	55	53	53
10	65	58	55	52	64	58	54	52	57	54	52		57	54	52		56	54	52	51

**AVERAGE LUMINANCE (cd/sqm):**





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	196.2	22.4	17.8
10°-20°	400.2	45.6	36.4
20°-30°	166.3	18.9	15.1
30°-40°	41.7	4.8	3.8
40°-50°	25.8	2.9	2.3
50°-60°	21.9	2.5	2.0
60°-70°	14.8	1.7	1.3
70°-80°	8.4	1.0	0.8
80°-90°	2.3	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°	762.6	86.9	69.3
0°-40°	804.3	91.6	73.1
0°-60°	852.1	97.1	77.5
0°-90°	877.7	100.0	79.8
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°	877.7	100.0	79.8

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2390	
5°	2151	196
15°	1531	400
25°	307	166
35°	59	42
45°	33	26
55°	25	22
65°	15	15
75°	8	8
85°	2	2
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°	2390
2.5°	2293
5°	2151
7.5°	2008
10°	1842
12.5°	1690
15°	1531
17.5°	1260
20°	868
22.5°	526
25°	307
27.5°	190
30°	127
32.5°	84
35°	59
37.5°	46
40°	39
42.5°	36
45°	33
47.5°	31
50°	29
52.5°	27
55°	25
57.5°	22
60°	19
62.5°	17
65°	15
67.5°	13
70°	11
72.5°	10
75°	8
77.5°	6
80°	5
82.5°	3
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)