

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: H36032

Luminaire Tested: **H5T 5010W**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: H36032  
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  
HIGH SOCKET SETTING  
Light Source: 75R30FL 75 WATTS 900 LUMENS  
R30 FLOOD  
Ballast/Driver: -

**Summary**

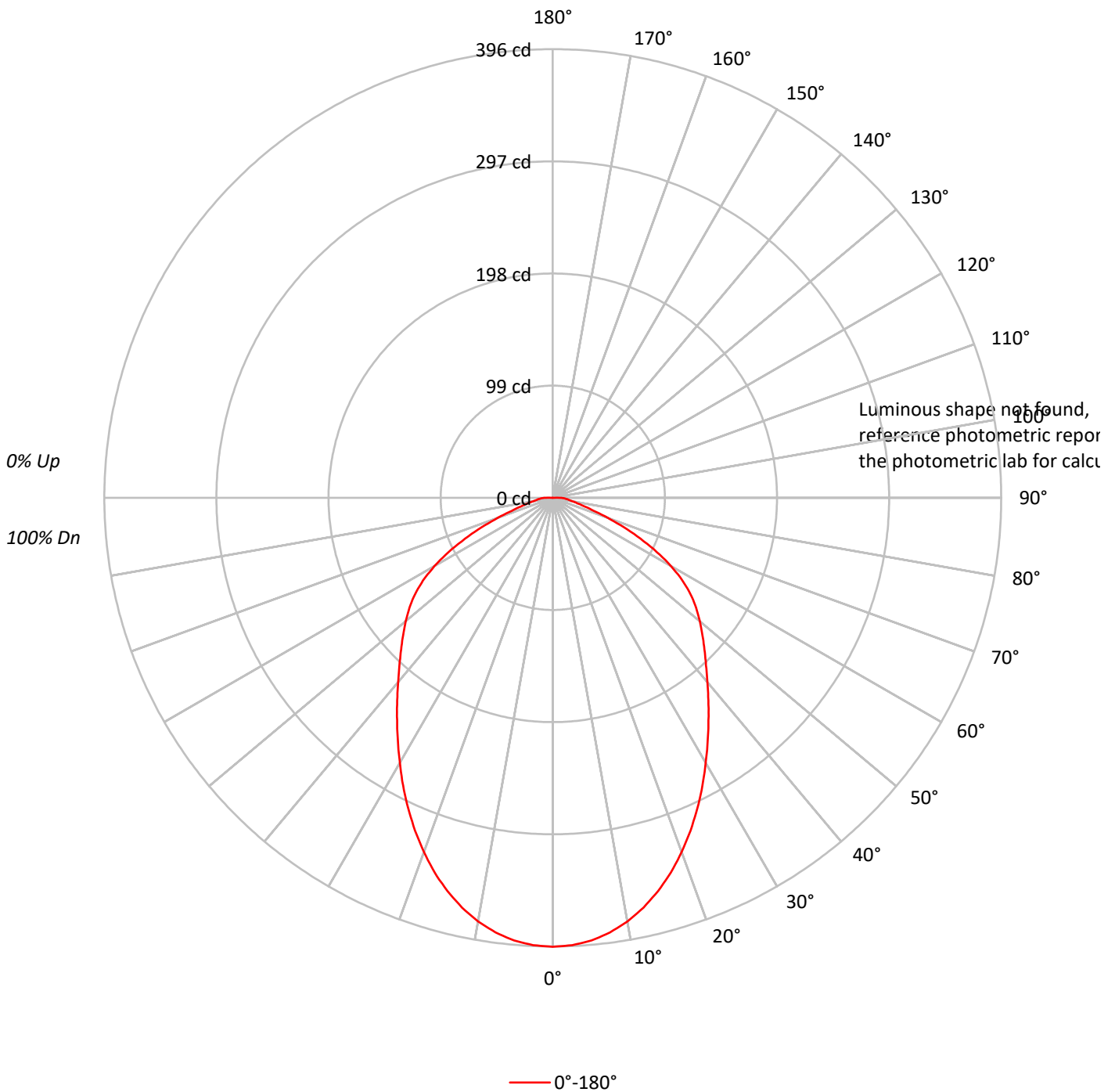
Lumens per Lamp: 900 (1 lamp)  
Luminaire Lumens: 837.0 lumens  
Efficiency: 93.0%  
Efficacy: 11.2 lumens/watt  
Spacing Criteria (0/90/45): 1.05 / 1.05 / 1.16  
Luminous Opening: (L: 0 ' x W: -0.4 ' x H: 0 '  
CIE Type: Direct

Input Watts (W): 75  
Input Voltage (V): NR  
Input Current (A<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



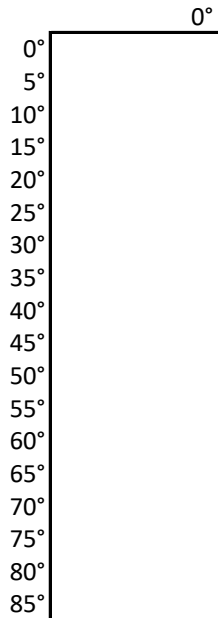


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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

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	111	111	111	111	108	108	108	108	103	103	103		99	99	99		95	95	95	93
1	102	98	94	91	100	96	93	90	92	89	87		88	86	84		85	83	82	80
2	94	86	81	76	91	85	79	75	81	77	73		78	75	71		76	73	70	68
3	86	77	70	64	84	75	69	63	73	67	62		70	65	61		68	64	60	58
4	79	69	61	55	77	67	60	55	65	59	54		63	57	53		61	56	52	50
5	73	62	54	48	71	61	53	48	59	52	47		57	51	47		55	50	46	44
6	68	56	48	42	66	55	47	42	53	47	42		52	46	41		50	45	41	39
7	63	51	43	38	61	50	43	37	49	42	37		47	41	37		46	41	37	35
8	59	47	39	34	57	46	39	34	45	38	34		44	38	33		43	37	33	31
9	55	43	36	31	54	42	35	31	41	35	30		40	35	30		39	34	30	28
10	52	40	33	28	51	39	33	28	38	32	28		38	32	28		37	31	28	26

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	37.0	4.4	4.1
10°-20°	100.9	12.0	11.2
20°-30°	138.9	16.6	15.4
30°-40°	150.2	17.9	16.7
40°-50°	146.6	17.5	16.3
50°-60°	131.7	15.7	14.6
60°-70°	84.7	10.1	9.4
70°-80°	32.5	3.9	3.6
80°-90°	13.4	1.6	1.5
90°-100°	1.0	0.1	0.1
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°	276.8	33.1	30.8
0°-40°	427.0	51.0	47.4
0°-60°	705.4	84.3	78.4
0°-90°	836.0	99.9	92.9
90°-120°	1.0	0.1	0.1
90°-150°	1.0	0.1	0.1
90°-180°	1.0	0.1	0.1
0°-180°	837.0	100.0	93.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	396	
5°	392	37
15°	359	101
25°	302	139
35°	240	150
45°	189	147
55°	149	132
65°	86	85
75°	29	32
85°	12	11
90°	7	3
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°	396.3
2.5°	395.2
5°	392.2
7.5°	386.9
10°	379.6
12.5°	370.4
15°	359.3
17.5°	346.9
20°	332.6
22.5°	317.8
25°	302.2
27.5°	286.3
30°	270.1
32.5°	254.6
35°	239.7
37.5°	225.6
40°	212.4
42.5°	200.3
45°	189.3
47.5°	179.2
50°	169.5
52.5°	159.6
55°	148.7
57.5°	135.8
60°	120.5
62.5°	103.7
65°	85.5
67.5°	67.9
70°	51.4
72.5°	37.9
75°	28.7
77.5°	22.2
80°	17.7
82.5°	14.6
85°	12.2
87.5°	10.0
90°	7.4
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)