

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: H36040

Luminaire Tested: **H5T 5012W**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: H36040
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: 75R30FL 75 WATTS 900 LUMENS
R30 FLOOD
Ballast/Driver: -

Summary

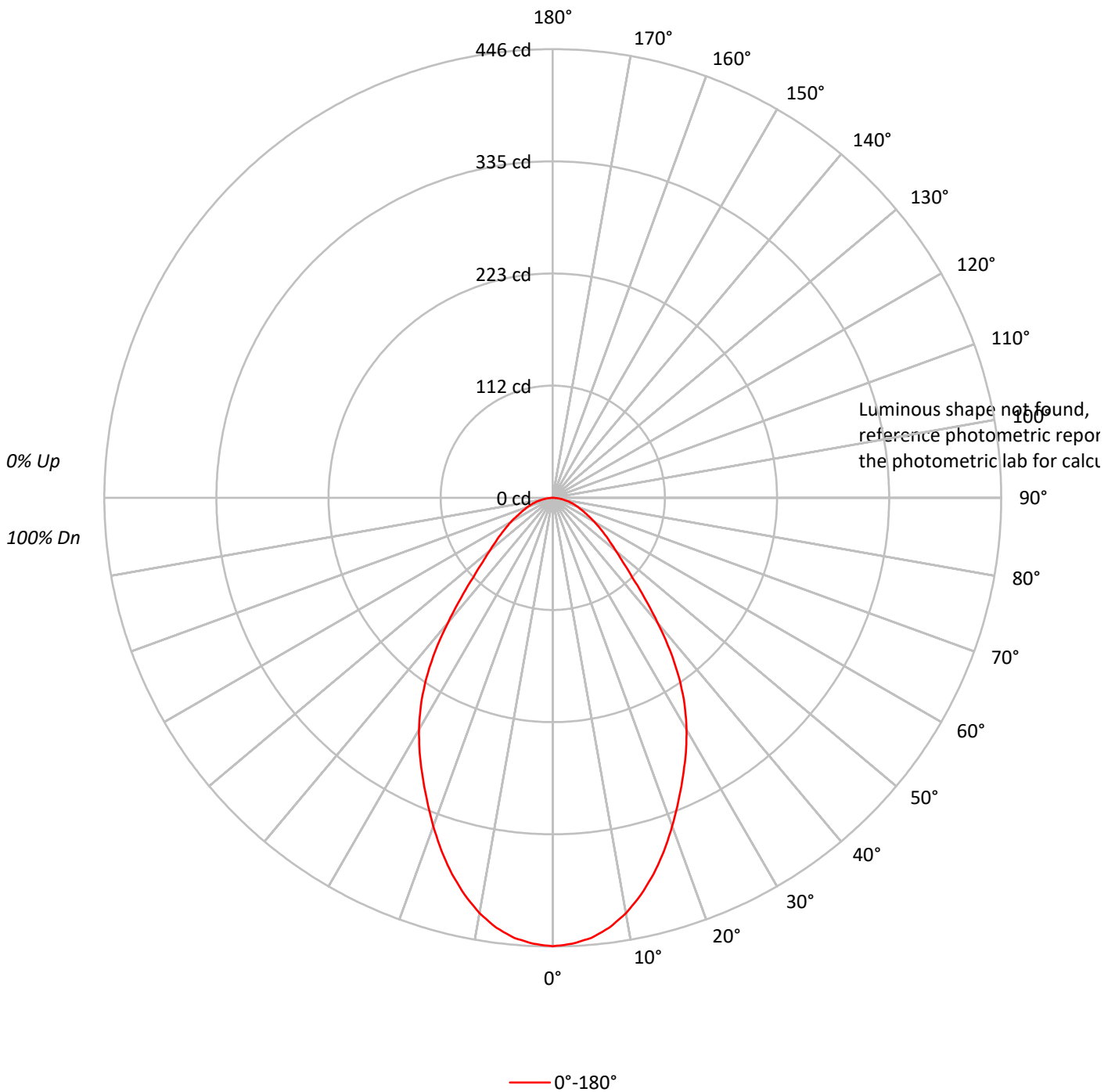
Lumens per Lamp: 900 (1 lamp)
Luminaire Lumens: 631.9 lumens
Efficiency: 70.2%
Efficacy: 8.4 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 1.02
Luminous Opening: (L: 0 ' x W: -0.38 ' x H: 0 '
CIE Type: Direct

Input Watts (W): 75
Input Voltage (V): NR
Input Current (Ain): 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



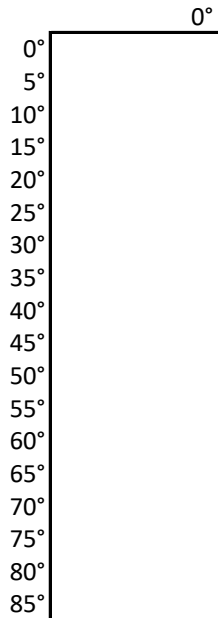


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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	84	84	84	84	82	82	82	82	78	78	78		75	75	75		72	72	72	70
1	78	75	73	71	76	74	72	70	71	69	68		68	67	66		66	65	64	62
2	73	68	64	61	71	67	63	60	64	61	59		62	60	58		60	58	56	55
3	68	62	57	53	66	60	56	53	58	55	52		57	54	51		55	52	50	49
4	63	56	51	47	61	55	50	47	53	49	46		52	48	46		51	47	45	44
5	59	51	46	42	57	50	46	42	49	45	41		48	44	41		47	43	41	39
6	55	47	42	38	54	46	41	38	45	41	38		44	40	37		43	40	37	36
7	52	43	38	35	51	43	38	34	42	37	34		41	37	34		40	37	34	33
8	49	40	35	32	48	40	35	32	39	35	31		38	34	31		37	34	31	30
9	46	38	32	29	45	37	32	29	36	32	29		36	32	29		35	31	29	28
10	43	35	30	27	42	35	30	27	34	30	27		33	29	27		33	29	27	25

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	41.3	6.5	4.6
10°-20°	108.3	17.1	12.0
20°-30°	140.7	22.3	15.6
30°-40°	135.3	21.4	15.0
40°-50°	88.9	14.1	9.9
50°-60°	56.7	9.0	6.3
60°-70°	35.7	5.6	4.0
70°-80°	19.9	3.1	2.2
80°-90°	5.1	0.8	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°	290.3	45.9	32.3
0°-40°	425.6	67.4	47.3
0°-60°	571.2	90.4	63.5
0°-90°	631.9	100.0	70.2
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°	631.9	100.0	70.2

CANDELA DISTRIBUTION:

	0°	Flux
0°	446	
5°	439	41
15°	387	108
25°	306	141
35°	219	135
45°	112	89
55°	63	57
65°	35	36
75°	19	20
85°	4	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	0



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CANDELA DISTRIBUTION (FULL):

0°	
0°	445.8
2.5°	443.7
5°	439.1
7.5°	431.0
10°	419.2
12.5°	404.4
15°	387.2
17.5°	367.9
20°	347.3
22.5°	326.3
25°	306.1
27.5°	286.4
30°	266.0
32.5°	244.1
35°	219.4
37.5°	192.0
40°	162.3
42.5°	135.1
45°	111.9
47.5°	94.5
50°	81.7
52.5°	71.4
55°	62.8
57.5°	55.1
60°	48.0
62.5°	41.2
65°	35.3
67.5°	30.5
70°	26.8
72.5°	22.7
75°	18.8
77.5°	14.9
80°	11.2
82.5°	7.7
85°	4.2
87.5°	1.3
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)