

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: H35102

Luminaire Tested: **H7ICT-30WAT**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: H35102
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: H7ICT-30WAT
Description: HALO 7" DIA RECESSED DOWNLIGHT
SPECULAR REFLECTOR WITH WHITE BAFFLE
Light Source: 40A19/IF 40 WATTS 495 LUMENS
A19 INSIDE FROSTED
Ballast/Driver: -

Summary

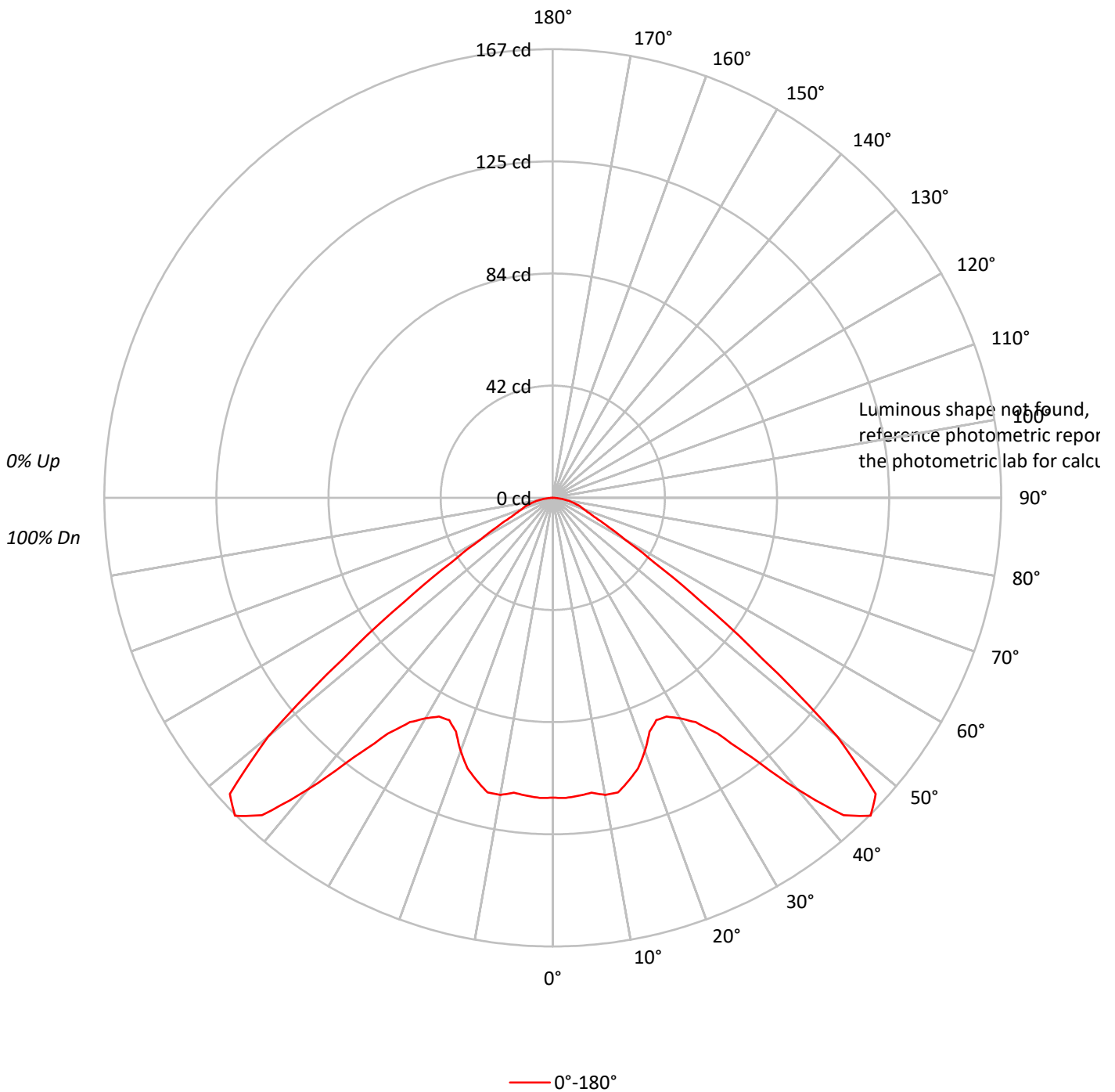
Lumens per Lamp: 495 (1 lamp)
Luminaire Lumens: 373.3 lumens
Efficiency: 75.4%
Efficacy: 9.3 lumens/watt
Spacing Criteria (0/90/45): 2.07 / 2.07 / 1.77
Luminous Opening: (L: 0 ' x W: -0.48 ' x H: 0 '
CIE Type: Direct

Input Watts (W): 40
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



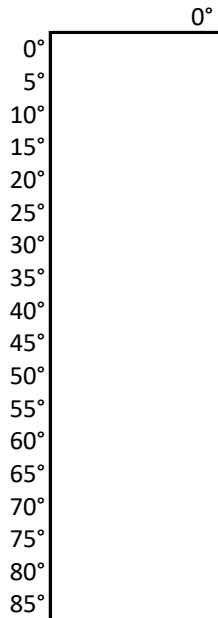


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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	90	90	90	90	88	88	88	88	84	84	84		80	80	80		77	77	77	75
1	83	80	77	75	81	78	76	73	75	73	71		72	71	69		70	68	67	65
2	76	71	66	62	74	69	65	61	67	63	60		64	61	59		62	59	57	56
3	70	62	57	52	68	61	56	52	59	54	51		57	53	50		55	52	49	47
4	64	55	49	44	62	54	48	44	52	47	43		51	46	43		49	45	42	40
5	58	49	43	38	57	48	42	38	47	41	37		45	40	37		44	40	36	35
6	54	44	37	33	52	43	37	32	42	36	32		41	36	32		39	35	32	30
7	50	39	33	28	48	39	33	28	38	32	28		37	32	28		36	31	28	26
8	46	36	29	25	45	35	29	25	34	29	25		33	28	25		32	28	24	23
9	43	32	26	22	42	32	26	22	31	26	22		30	25	22		30	25	22	20
10	40	30	24	20	39	29	24	20	29	23	20		28	23	19		27	23	19	18

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	10.6	2.8	2.1
10°-20°	30.5	8.2	6.2
20°-30°	43.3	11.6	8.7
30°-40°	70.6	18.9	14.3
40°-50°	122.1	32.7	24.7
50°-60°	65.3	17.5	13.2
60°-70°	18.9	5.1	3.8
70°-80°	9.4	2.5	1.9
80°-90°	2.6	0.7	0.5
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°	84.5	22.6	17.1
0°-40°	155.0	41.5	31.3
0°-60°	342.4	91.7	69.2
0°-90°	373.3	100.0	75.4
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°	373.3	100.0	75.4

CANDELA DISTRIBUTION:

	0°	Flux
0°	112	
5°	111	11
15°	109	31
25°	91	43
35°	107	71
45°	167	122
55°	67	65
65°	18	19
75°	9	9
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°	111.6
2.5°	111.8
5°	111.3
7.5°	110.7
10°	112.3
12.5°	112.3
15°	109.1
17.5°	105.6
20°	100.3
22.5°	94.2
25°	91.3
27.5°	91.8
30°	94.7
32.5°	99.0
35°	107.1
37.5°	121.6
40°	141.6
42.5°	160.3
45°	167.4
47.5°	163.1
50°	138.3
52.5°	98.6
55°	67.3
57.5°	44.6
60°	31.0
62.5°	23.1
65°	17.7
67.5°	14.2
70°	12.1
72.5°	10.7
75°	8.9
77.5°	7.2
80°	5.4
82.5°	3.7
85°	2.2
87.5°	0.8
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)