

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: H35101

Luminaire Tested: **H7UICT-30WAT**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: H35101
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: H7UIC-30WAT
Description: HALO 7" DIA RECESSED DOWNLIGHT
SPECULAR REFLECTOR WITH WHITE BAFFLE
Light Source: 75A19/IF 75 WATTS 1190 LUMENS
A19 INSIDE FROSTED
Ballast/Driver: -

Summary

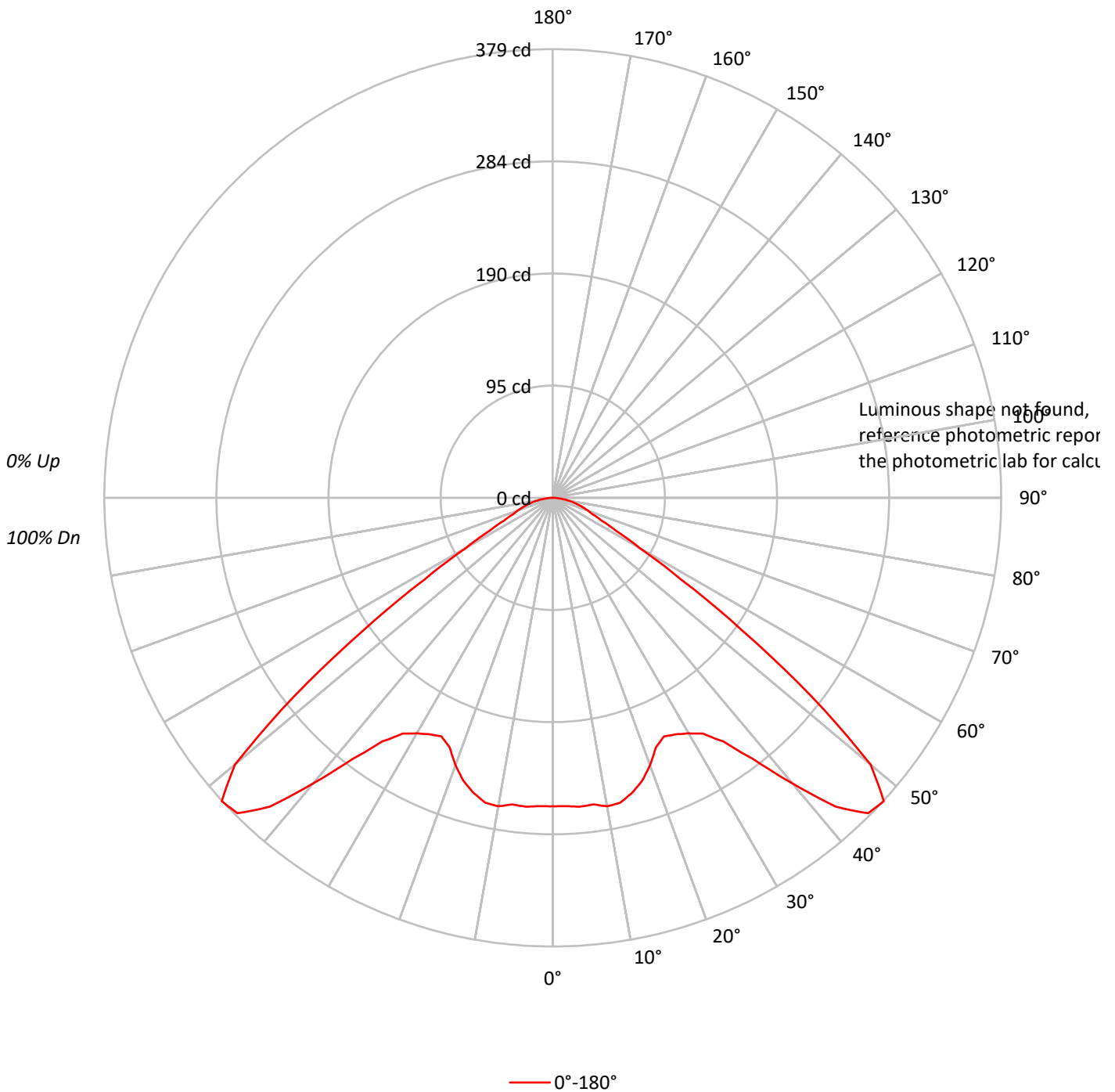
Lumens per Lamp: 1190 (1 lamp)
Luminaire Lumens: 906.4 lumens
Efficiency: 76.2%
Efficacy: 12.1 lumens/watt
Spacing Criteria (0/90/45): 2.03 / 2.03 / 1.83
Luminous Opening: (L: 0 ' x W: -0.48 ' x H: 0 '
CIE Type: Direct

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





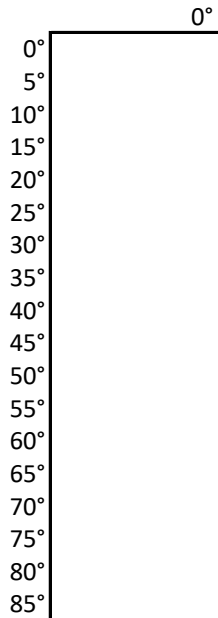
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	91	91	91	91	89	89	89	89	85	85	85		81	81	81		78	78	78	76
1	84	81	78	75	82	79	76	74	76	74	72		73	71	69		70	69	67	66
2	77	71	66	62	75	70	65	62	67	63	60		64	61	59		62	60	57	56
3	70	63	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	42		49	45	42	40
5	59	49	42	37	57	48	42	37	47	41	37		45	40	36		44	40	36	34
6	54	44	37	32	52	43	37	32	42	36	32		40	35	32		39	35	31	30
7	50	39	33	28	48	39	32	28	38	32	28		37	31	28		35	31	27	26
8	46	36	29	25	45	35	29	25	34	28	24		33	28	24		32	28	24	23
9	43	32	26	22	42	32	26	22	31	25	22		30	25	21		29	25	21	20
10	40	30	23	19	39	29	23	19	28	23	19		28	23	19		27	22	19	18

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	25.0	2.8	2.1
10°-20°	72.3	8.0	6.1
20°-30°	105.2	11.6	8.8
30°-40°	164.0	18.1	13.8
40°-50°	279.8	30.9	23.5
50°-60°	181.0	20.0	15.2
60°-70°	49.4	5.5	4.2
70°-80°	23.3	2.6	2.0
80°-90°	6.3	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°	202.6	22.3	17.0
0°-40°	366.6	40.4	30.8
0°-60°	827.4	91.3	69.5
0°-90°	906.4	100.0	76.2
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°	906.4	100.0	76.2

CANDELA DISTRIBUTION:

	0°	Flux
0°	261	
5°	262	25
15°	258	72
25°	222	105
35°	251	164
45°	377	280
55°	195	181
65°	45	49
75°	22	23
85°	5	6
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°	260.6
2.5°	260.7
5°	261.9
7.5°	261.2
10°	264.6
12.5°	263.8
15°	258.2
17.5°	250.8
20°	240.3
22.5°	227.9
25°	222.4
27.5°	225.2
30°	229.8
32.5°	236.2
35°	251.2
37.5°	278.1
40°	314.6
42.5°	354.0
45°	376.8
47.5°	379.4
50°	350.6
52.5°	275.6
55°	195.3
57.5°	129.1
60°	85.0
62.5°	60.4
65°	45.4
67.5°	36.4
70°	31.6
72.5°	26.6
75°	22.0
77.5°	17.6
80°	13.0
82.5°	9.0
85°	5.3
87.5°	2.2
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)