

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: H35098

Luminaire Tested: **H7UICT-30PAT**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: H35098
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: H7UICT-30PAT
Description: HALO 7" DIA RECESSED DOWNLIGHT
SPECULAR REFLECTOR WITH BLACK BAFFLE
Light Source: 75A19/IF 75 WATTS 1190 LUMENS
A19 INSIDE FROSTED
Ballast/Driver: -

Summary

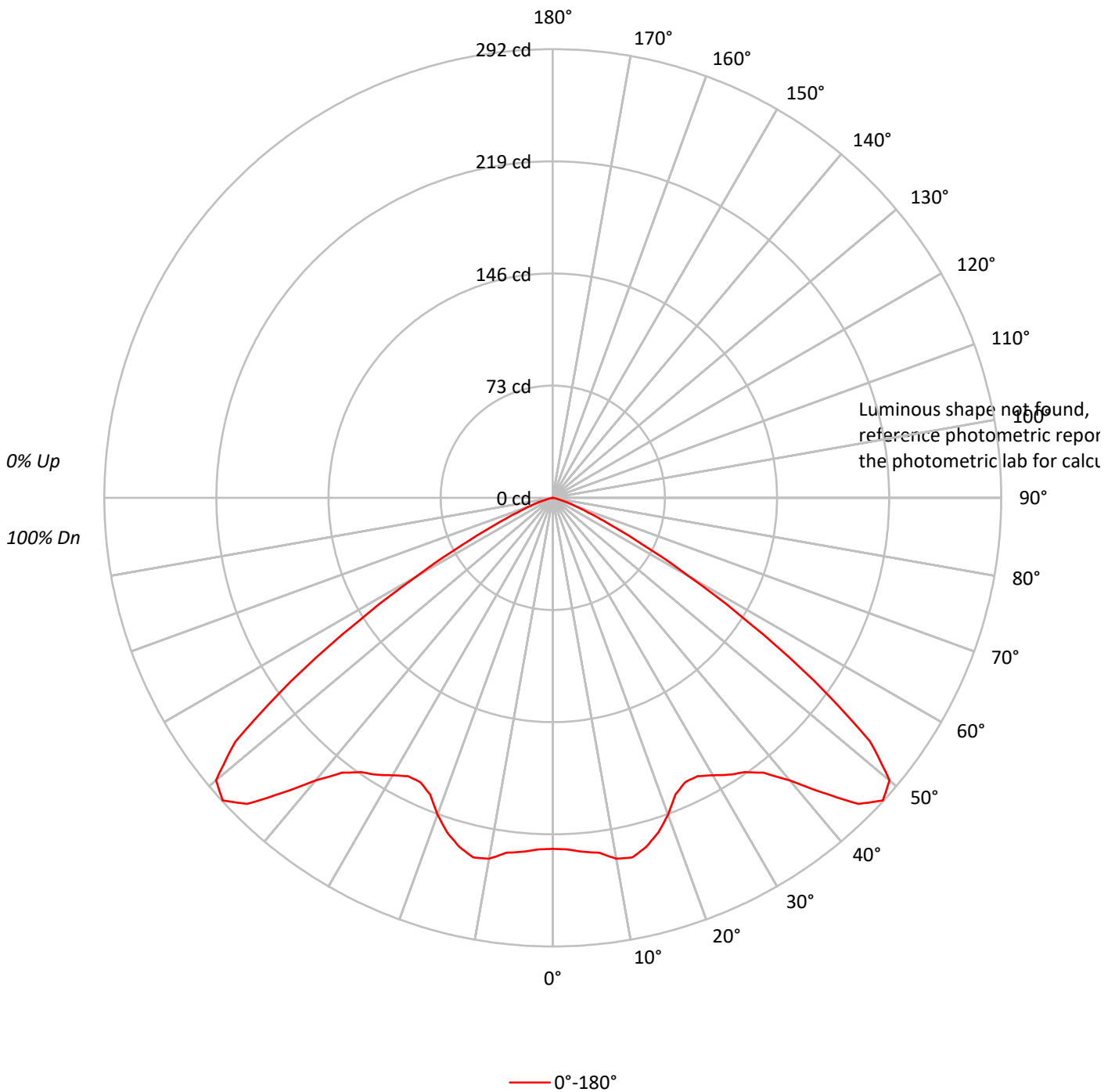
Lumens per Lamp: 1190 (1 lamp)
Luminaire Lumens: 769.5 lumens
Efficiency: 64.7%
Efficacy: 10.3 lumens/watt
Spacing Criteria (0/90/45): 1.5 / 1.5 / 1.86
Luminous Opening: (L: 0 ' x W: -0.48 ' x H: 0 '
CIE Type: Direct

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



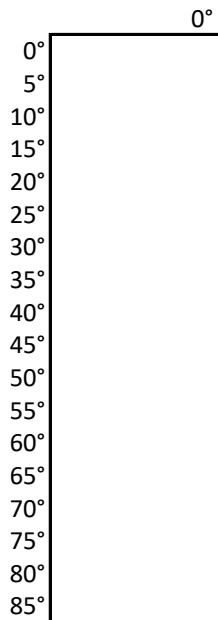


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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	77	77	77	77	75	75	75	75	72	72	72		69	69	69		66	66	66	65
1	72	69	67	64	70	67	65	63	65	63	61		62	61	60		60	59	58	57
2	66	61	57	54	64	60	56	53	57	54	52		55	53	51		53	51	49	48
3	60	54	49	45	58	53	48	44	51	47	44		49	46	43		47	45	42	41
4	55	47	42	38	53	47	41	38	45	41	37		43	40	37		42	39	36	35
5	50	42	36	32	49	41	36	32	40	35	32		39	35	31		38	34	31	30
6	46	38	32	28	45	37	32	28	36	31	27		35	30	27		34	30	27	26
7	42	34	28	24	41	33	28	24	32	27	24		31	27	24		30	27	24	22
8	39	31	25	21	38	30	25	21	29	24	21		28	24	21		28	24	21	20
9	36	28	22	19	36	27	22	19	27	22	19		26	22	19		25	21	19	17
10	34	25	20	17	33	25	20	17	24	20	17		24	20	17		23	19	17	15

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	22.3	2.9	1.9
10°-20°	65.8	8.5	5.5
20°-30°	96.0	12.5	8.1
30°-40°	138.7	18.0	11.7
40°-50°	212.9	27.7	17.9
50°-60°	181.1	23.5	15.2
60°-70°	46.6	6.1	3.9
70°-80°	6.0	0.8	0.5
80°-90°	0.1	0.0	0.0
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°	184.0	23.9	15.5
0°-40°	322.8	41.9	27.1
0°-60°	716.8	93.1	60.2
0°-90°	769.5	100.0	64.7
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°	769.5	100.0	64.7

CANDELA DISTRIBUTION:

	0°	Flux
0°	228	
5°	231	22
15°	235	66
25°	204	96
35°	218	139
45°	282	213
55°	208	181
65°	40	47
75°	4	6
85°	0	0
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°	228.4
2.5°	229.1
5°	231.3
7.5°	233.0
10°	238.5
12.5°	239.7
15°	235.1
17.5°	228.4
20°	219.4
22.5°	208.8
25°	204.1
27.5°	204.2
30°	208.5
32.5°	213.7
35°	217.9
37.5°	225.4
40°	240.0
42.5°	260.2
45°	281.7
47.5°	291.5
50°	286.2
52.5°	260.3
55°	207.6
57.5°	152.5
60°	103.1
62.5°	65.8
65°	40.3
67.5°	24.6
70°	15.6
72.5°	9.4
75°	4.4
77.5°	0.9
80°	0.5
82.5°	0.3
85°	0.0
87.5°	0.0
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)