

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: H35043

Luminaire Tested: **H7UICT-30CAT**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: H35043
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: H7UICT-30CAT
Description: HALO 7" DIA RECESSED DOWNLIGHT
SPECULAR REFLECTOR
Light Source: 100A19 100 WATTS 1720 LUMENS
A19 INSIDE FROSTED
Ballast/Driver: -

Summary

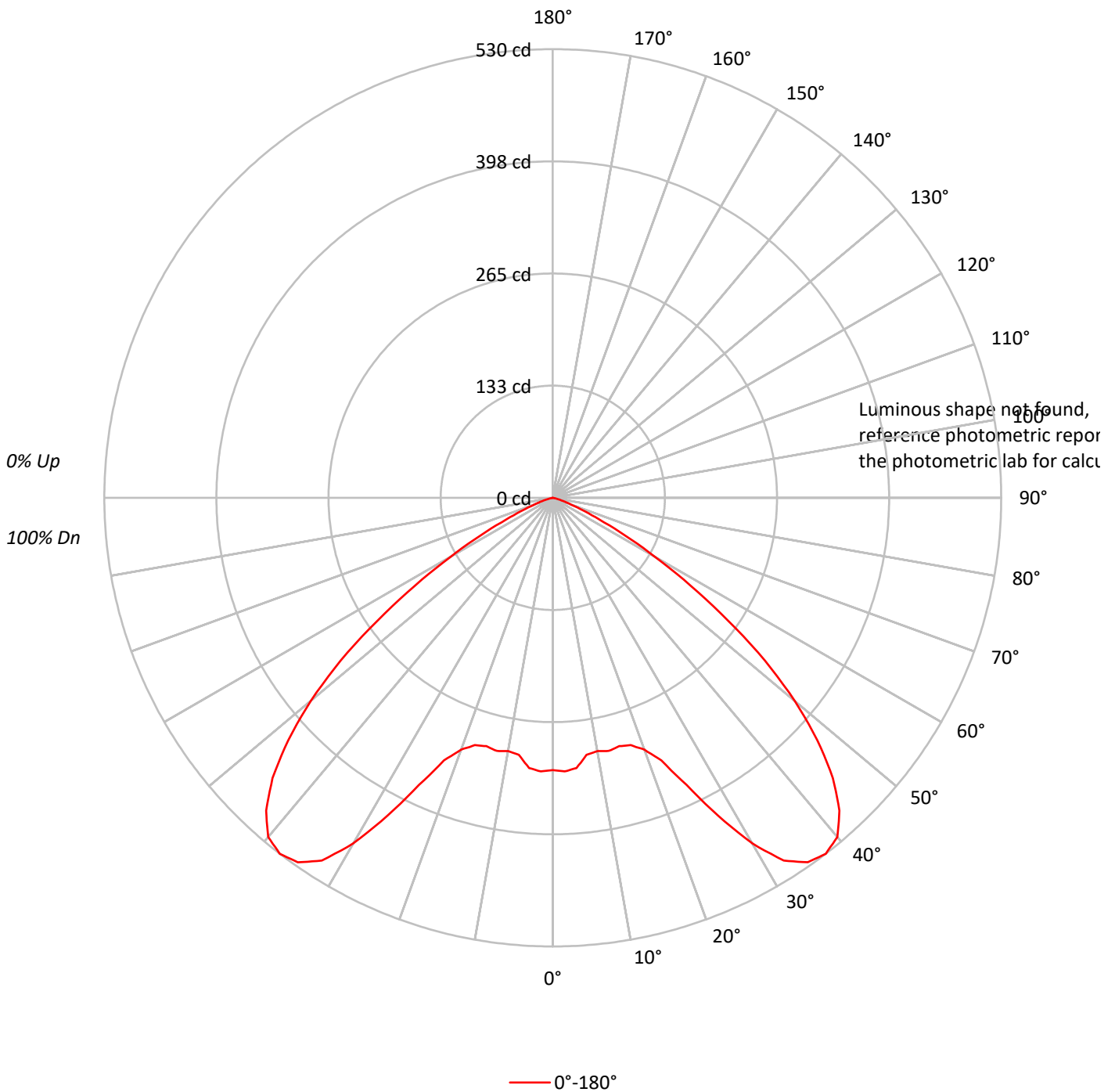
Lumens per Lamp: 1720 (1 lamp)
Luminaire Lumens: 1278.0 lumens
Efficiency: 74.3%
Efficacy: 12.8 lumens/watt
Spacing Criteria (0/90/45): 2.02 / 2.02 / 1.79
Luminous Opening: (L: 0 ' x W: -0.48 ' x H: 0 '
CIE Type: Direct

Input Watts (W): 100
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



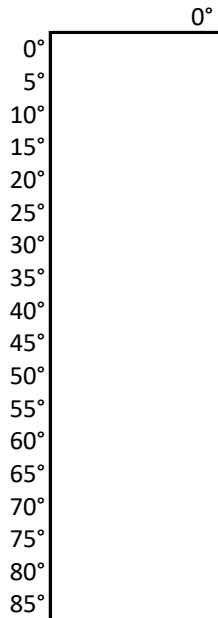


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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	88	88	88	88	86	86	86	86	83	83	83		79	79	79		76	76	76	74
1	82	79	77	75	80	78	75	73	75	73	71		72	70	69		69	68	67	65
2	76	70	66	62	74	69	65	62	67	63	60		64	61	59		62	60	58	56
3	69	62	57	53	68	61	56	52	59	55	51		57	53	50		55	52	50	48
4	64	55	49	45	62	54	49	44	53	48	44		51	47	43		49	46	43	41
5	58	49	43	38	57	48	43	38	47	42	38		45	41	37		44	40	37	35
6	54	44	38	33	52	43	37	33	42	37	33		41	36	32		40	35	32	31
7	49	40	33	29	48	39	33	29	38	32	29		37	32	28		36	31	28	27
8	46	36	30	25	45	35	29	25	34	29	25		33	29	25		33	28	25	23
9	42	33	26	22	41	32	26	22	31	26	22		30	26	22		30	25	22	21
10	40	30	24	20	39	29	24	20	29	23	20		28	23	20		27	23	20	18

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	29.8	2.3	1.7
10°-20°	87.0	6.8	5.1
20°-30°	178.9	14.0	10.4
30°-40°	324.2	25.4	18.8
40°-50°	355.1	27.8	20.6
50°-60°	226.5	17.7	13.2
60°-70°	67.5	5.3	3.9
70°-80°	9.0	0.7	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°	295.7	23.1	17.2
0°-40°	619.9	48.5	36.0
0°-60°	1201.4	94.0	69.9
0°-90°	1278.0	100.0	74.3
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°	1278.0	100.0	74.3

CANDELA DISTRIBUTION:

	0°	Flux
0°	322	
5°	320	30
15°	304	87
25°	374	179
35°	526	324
45°	468	355
55°	253	226
65°	60	67
75°	7	9
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°	321.7
2.5°	323.5
5°	320.4
7.5°	306.1
10°	303.8
12.5°	306.2
15°	303.7
17.5°	306.4
20°	316.4
22.5°	335.6
25°	374.2
27.5°	423.4
30°	471.3
32.5°	508.0
35°	525.5
37.5°	529.9
40°	523.0
42.5°	501.4
45°	468.3
47.5°	424.2
50°	373.5
52.5°	316.2
55°	253.2
57.5°	192.9
60°	139.5
62.5°	96.5
65°	59.8
67.5°	37.4
70°	23.0
72.5°	13.7
75°	6.9
77.5°	2.3
80°	0.2
82.5°	0.1
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)