

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: H22136

Luminaire Tested: **H7UICT-425P**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: H22136
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: H7UICT-425P
Description: HALO 6" DIA RECESSED WALL WASH
BAFFLE WITH DIFFUSED SCOOP
Light Source: 50R30 50 WATTS 525 LUMENS
R30 FLOOD
Ballast/Driver: -

Summary

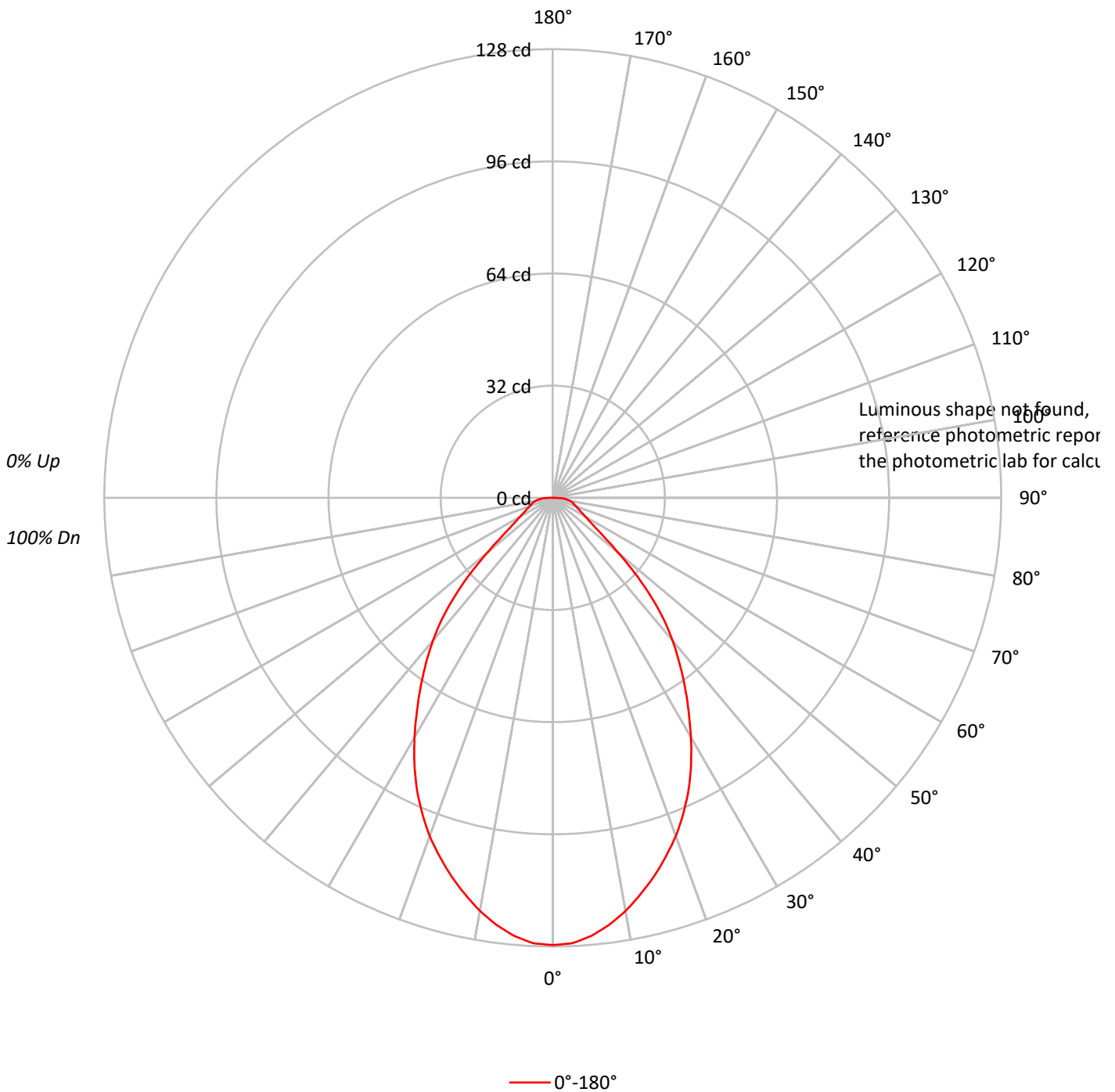
Lumens per Lamp: 525 (1 lamp)
Luminaire Lumens: 188.7 lumens
Efficiency: 35.9%
Efficacy: 3.8 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 1.05
Luminous Opening: (L: 0 ' x W: -0.33 ' x H: 0 '
CIE Type: Direct

Input Watts (W): 50
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



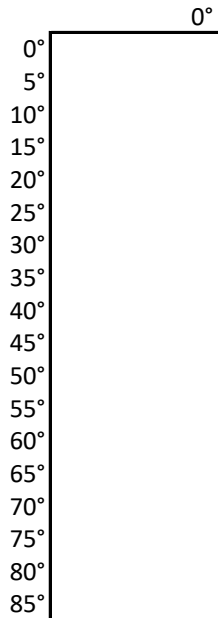


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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	43	43	43	43	42	42	42	42	40	40	40		38	38	38		37	37	37	36
1	40	38	37	36	39	38	36	35	36	35	34		35	34	33		33	33	32	32
2	37	35	33	31	36	34	32	31	33	31	30		32	30	29		31	30	29	28
3	34	31	29	27	34	31	29	27	30	28	26		29	27	26		28	27	26	25
4	32	29	26	24	31	28	26	24	27	25	24		27	25	23		26	24	23	22
5	30	26	23	21	29	26	23	21	25	23	21		24	22	21		24	22	21	20
6	28	24	21	19	27	24	21	19	23	21	19		23	21	19		22	20	19	18
7	26	22	19	18	26	22	19	18	21	19	17		21	19	17		20	19	17	17
8	25	21	18	16	24	20	18	16	20	18	16		19	17	16		19	17	16	15
9	23	19	17	15	23	19	16	15	19	16	15		18	16	15		18	16	15	14
10	22	18	15	14	22	18	15	14	17	15	14		17	15	14		17	15	13	13

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	11.8	6.3	2.2
10°-20°	31.4	16.6	6.0
20°-30°	42.0	22.2	8.0
30°-40°	41.0	21.7	7.8
40°-50°	30.0	15.9	5.7
50°-60°	14.1	7.5	2.7
60°-70°	8.5	4.5	1.6
70°-80°	6.4	3.4	1.2
80°-90°	3.5	1.9	0.7
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°	85.1	45.1	16.2
0°-40°	126.2	66.9	24.0
0°-60°	170.3	90.3	32.4
0°-90°	188.7	100.0	35.9
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°	188.7	100.0	35.9

CANDELA DISTRIBUTION:

	0°	Flux
0°	128	
5°	126	12
15°	112	31
25°	92	42
35°	66	41
45°	39	30
55°	15	14
65°	8	9
75°	6	6
85°	4	3
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°	127.6
2.5°	127.2
5°	125.5
7.5°	122.9
10°	119.7
12.5°	115.8
15°	111.8
17.5°	107.3
20°	102.7
22.5°	97.4
25°	91.8
27.5°	85.5
30°	78.9
32.5°	72.1
35°	65.7
37.5°	59.4
40°	53.2
42.5°	46.7
45°	39.4
47.5°	31.7
50°	24.4
52.5°	18.6
55°	14.8
57.5°	12.4
60°	10.8
62.5°	9.5
65°	8.5
67.5°	7.6
70°	7.0
72.5°	6.4
75°	6.1
77.5°	5.6
80°	4.9
82.5°	4.2
85°	3.5
87.5°	2.7
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)