

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: H22134

Luminaire Tested: **H7UICT-4041P**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: H22134
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: H7UICT-4041P
Description: HALO 6" DIA RECESSED DOWNLIGHT
WHITE REFLECTOR CONE
Light Source: 100A19 100 WATTS 1750 LUMENS
A19 INSIDE FROSTED
Ballast/Driver: -

Summary

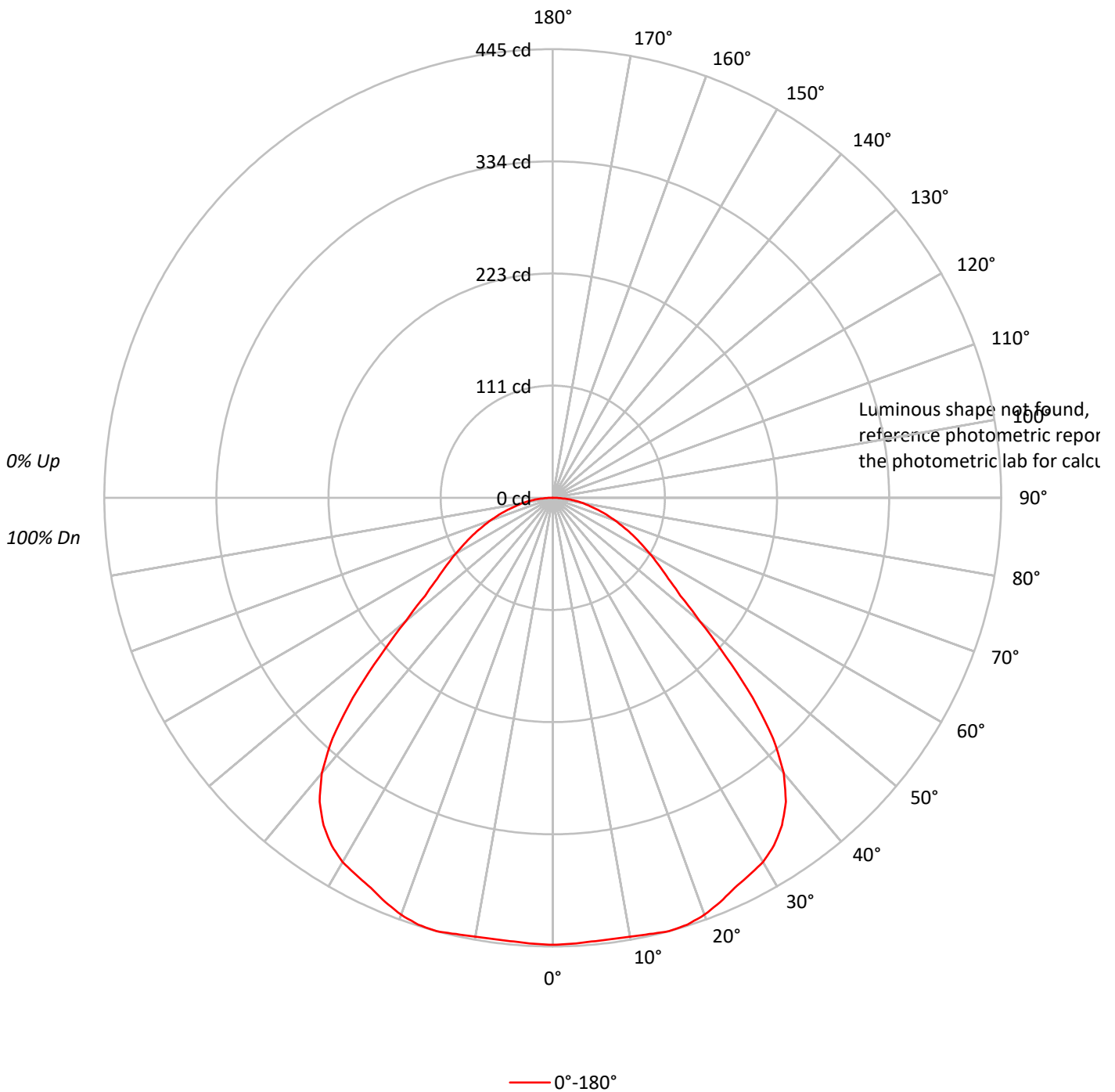
Lumens per Lamp: 1750 (1 lamp)
Luminaire Lumens: 1106.0 lumens
Efficiency: 63.2%
Efficacy: 11.1 lumens/watt
Spacing Criteria (0/90/45): 1.38 / 1.38 / 1.37
Luminous Opening: (L: 0 ' x W: -0.48 ' x H: 0 '
CIE Type: Direct

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



TEST NUMBER: H22134
CATALOG NUMBER: H7UICT-4041P

Luminous Intensity Polar Plot



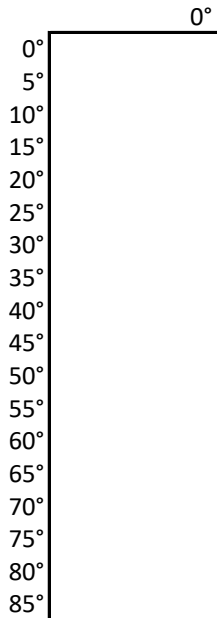


TEST NUMBER: H22134
 CATALOG NUMBER: H7UICT-4041P

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	75	75	75	75	73	73	73	73	70	70	70		67	67	67		64	64	64	63
1	69	67	64	62	68	65	63	61	63	61	59		60	59	57		58	57	56	54
2	64	59	55	52	62	58	54	51	56	53	50		54	51	49		52	50	48	47
3	59	53	48	44	57	52	47	44	50	46	43		48	45	42		47	44	42	40
4	54	47	42	38	53	46	42	38	45	41	38		44	40	37		42	39	37	35
5	50	43	37	33	49	42	37	33	41	36	33		39	36	33		38	35	32	31
6	47	39	33	30	45	38	33	29	37	33	29		36	32	29		35	31	29	28
7	43	35	30	26	42	35	30	26	34	29	26		33	29	26		32	28	26	25
8	40	32	27	24	39	32	27	24	31	27	23		30	26	23		30	26	23	22
9	38	30	25	21	37	29	25	21	29	24	21		28	24	21		27	24	21	20
10	35	27	23	19	35	27	23	19	27	22	19		26	22	19		25	22	19	18

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	42.2	3.8	2.4
10°-20°	125.7	11.4	7.2
20°-30°	197.7	17.9	11.3
30°-40°	246.2	22.3	14.1
40°-50°	213.1	19.3	12.2
50°-60°	128.5	11.6	7.3
60°-70°	86.7	7.8	5.0
70°-80°	49.5	4.5	2.8
80°-90°	16.3	1.5	0.9
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°	365.6	33.1	20.9
0°-40°	611.8	55.3	35.0
0°-60°	953.4	86.2	54.5
0°-90°	1106.0	100.0	63.2
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°	1106.0	100.0	63.2

CANDELA DISTRIBUTION:

	0°	Flux
0°	443	
5°	442	42
15°	445	126
25°	427	198
35°	396	246
45°	280	213
55°	140	129
65°	87	87
75°	46	50
85°	15	15
90°	0	1
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



TEST NUMBER: H22134
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CANDELA DISTRIBUTION (FULL):

0°	
0°	443.3
2.5°	442.8
5°	441.8
7.5°	441.6
10°	442.0
12.5°	443.2
15°	445.1
17.5°	443.9
20°	440.1
22.5°	434.0
25°	426.9
27.5°	421.9
30°	417.3
32.5°	408.7
35°	396.5
37.5°	380.0
40°	356.6
42.5°	323.5
45°	280.5
47.5°	232.7
50°	190.6
52.5°	159.7
55°	140.0
57.5°	125.1
60°	111.5
62.5°	99.0
65°	87.2
67.5°	76.0
70°	65.6
72.5°	55.8
75°	46.4
77.5°	37.6
80°	30.4
82.5°	22.5
85°	14.8
87.5°	7.4
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



TEST NUMBER: H22134
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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)