

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: H22137

Luminaire Tested: **H7UICT-173P**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: H22137
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: H7UICT-173P
Description: HALO 6" DIA RECESSED DOWNLIGHT
GLASS FRESNEL LENS
Light Source: 60A19 60 WATTS 870 LUMENS
A19 INSIDE FROSTED
Ballast/Driver: -

Summary

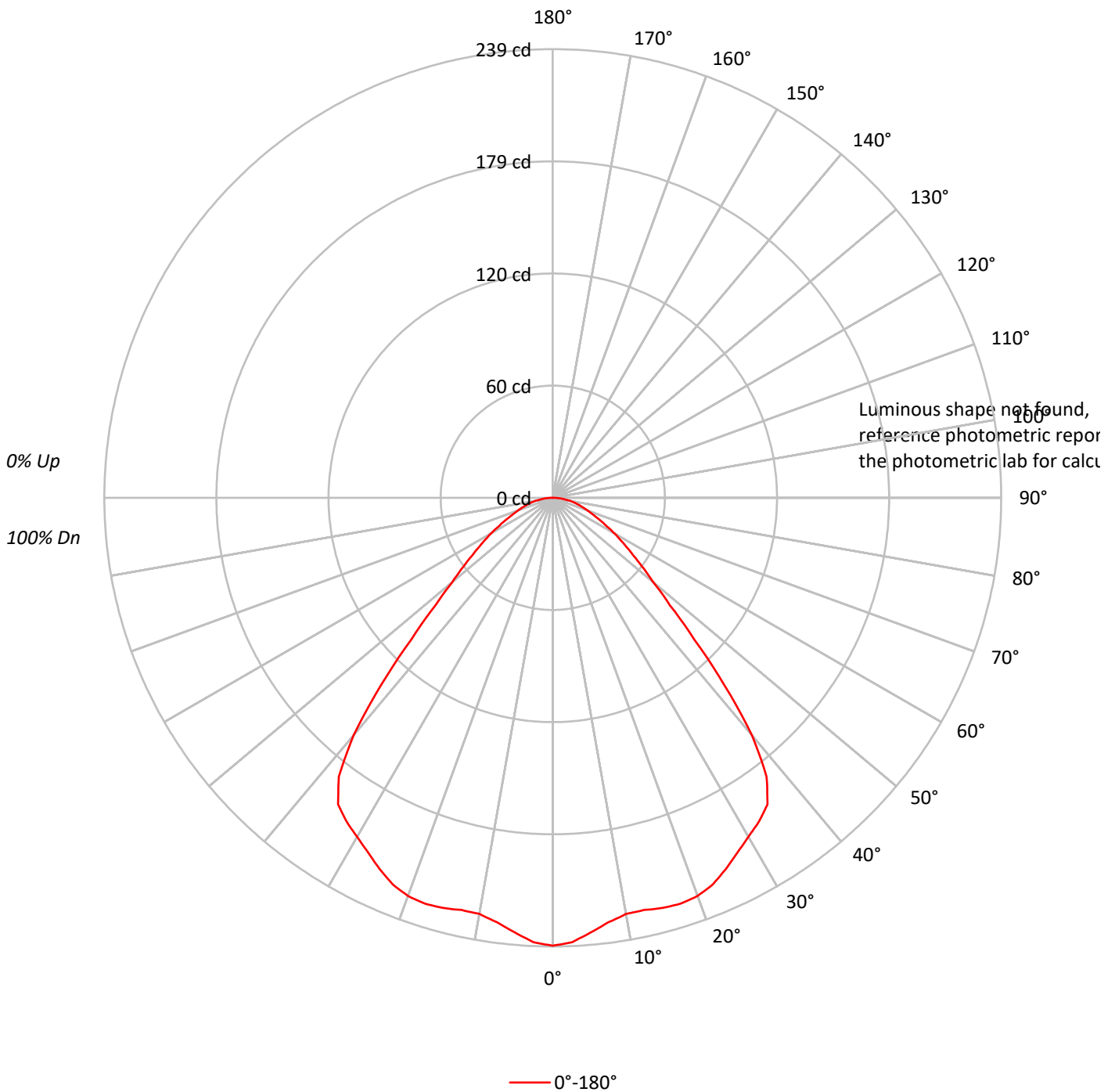
Lumens per Lamp: 870 (1 lamp)
Luminaire Lumens: 487.4 lumens
Efficiency: 56.0%
Efficacy: 8.1 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.26
Luminous Opening: (L: 0 ' x W: -0.43 ' x H: 0 '
CIE Type: Direct

Input Watts (W): 60
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



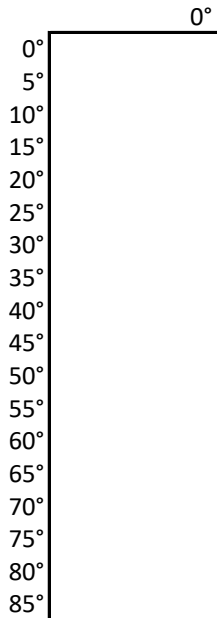


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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	21.9	4.5	2.5
10°-20°	64.0	13.1	7.4
20°-30°	100.6	20.6	11.6
30°-40°	121.7	25.0	14.0
40°-50°	85.0	17.4	9.8
50°-60°	46.6	9.6	5.4
60°-70°	27.4	5.6	3.2
70°-80°	15.1	3.1	1.7
80°-90°	5.1	1.0	0.6
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°	186.5	38.3	21.4
0°-40°	308.2	63.2	35.4
0°-60°	439.8	90.2	50.6
0°-90°	487.4	100.0	56.0
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°	487.4	100.0	56.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	239	
5°	232	22
15°	226	64
25°	218	101
35°	199	122
45°	107	85
55°	51	47
65°	27	27
75°	14	15
85°	5	5
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°	238.6
2.5°	236.9
5°	232.4
7.5°	228.0
10°	225.1
12.5°	224.9
15°	226.2
17.5°	226.7
20°	225.7
22.5°	222.9
25°	218.2
27.5°	213.0
30°	208.5
32.5°	204.5
35°	199.4
37.5°	187.2
40°	165.2
42.5°	135.7
45°	106.6
47.5°	84.7
50°	70.0
52.5°	59.8
55°	51.0
57.5°	44.0
60°	38.0
62.5°	32.0
65°	27.0
67.5°	23.1
70°	19.8
72.5°	16.8
75°	14.0
77.5°	11.8
80°	9.4
82.5°	6.7
85°	4.6
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)