

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: H35152

Luminaire Tested: **H7ICT-172PS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: H35152
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: H7ICT-172PS
Description: HALO 7" RECESSED DOWNLIGHT
SHOWER TRIM
LAMP POSITION FIXED
Light Source: 40A19 40 WATTS 495 LUMENS
A19 INSIDE FROSTED
Ballast/Driver: -

Summary

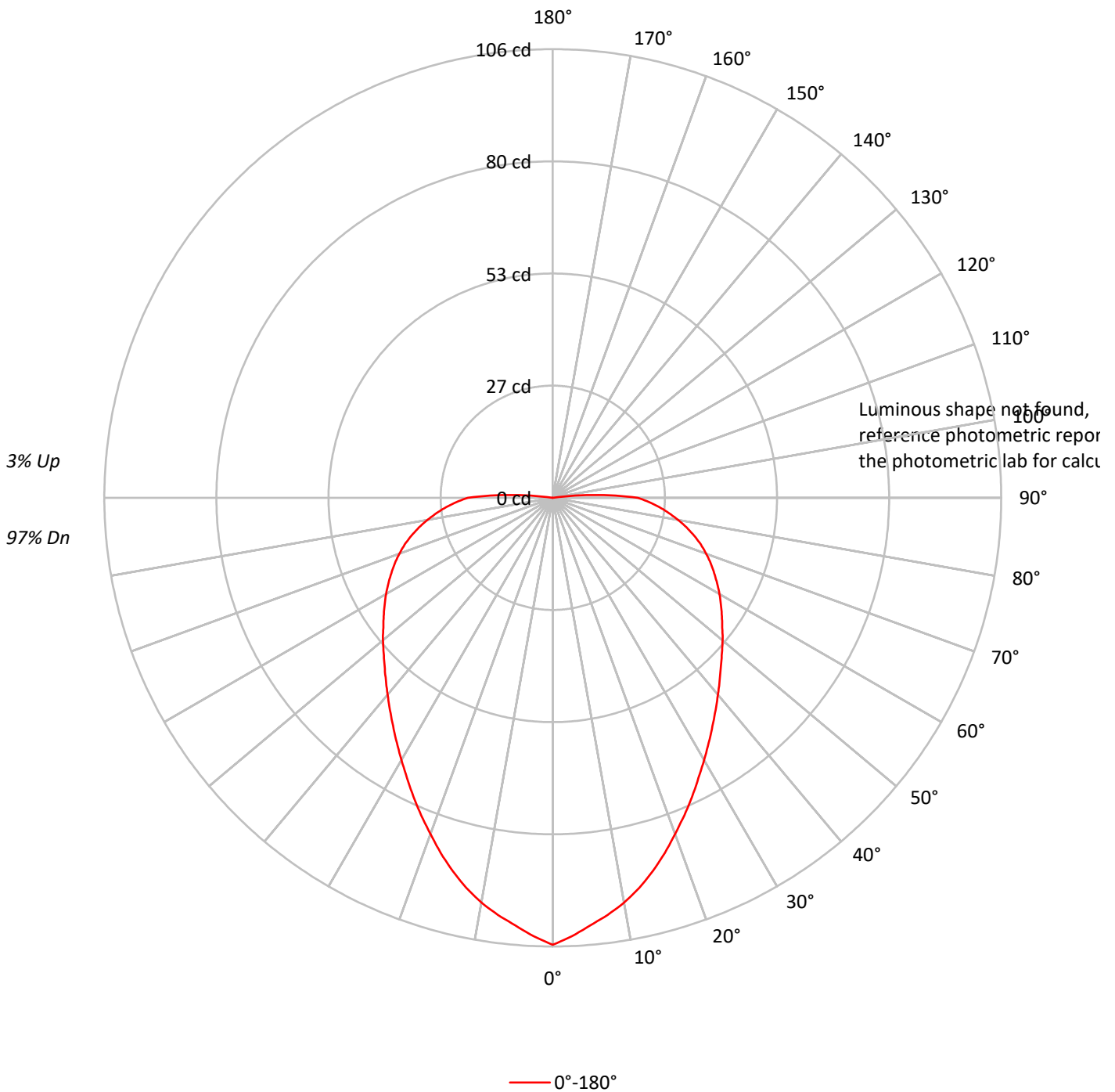
Lumens per Lamp: 495 (1 lamp)
Luminaire Lumens: 313.7 lumens
Efficiency: 63.4%
Efficacy: 7.8 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1.21
Luminous Opening: (L: 0 ' x W: -0.43 ' x H: 0 '
CIE Type: Direct

Input Watts (W): 40
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



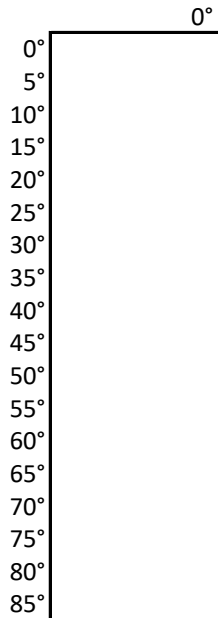


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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	75	75	75	75	73	73	73	73	69	69	69		66	66	66		63	63	63	62
1	66	62	59	55	64	61	57	54	57	55	52		55	52	50		52	50	49	47
2	59	53	48	44	57	52	47	43	49	45	42		47	43	40		44	42	39	38
3	54	46	40	35	52	45	39	35	43	38	34		41	37	33		39	35	33	31
4	49	41	34	30	47	40	34	29	38	33	29		36	32	28		34	31	28	26
5	45	36	30	25	44	35	30	25	34	29	25		32	28	24		31	27	24	22
6	42	33	26	22	40	32	26	22	30	25	22		29	25	21		28	24	21	19
7	39	30	24	19	37	29	23	19	28	23	19		27	22	19		26	22	19	17
8	36	27	21	17	35	26	21	17	25	21	17		24	20	17		24	20	17	15
9	34	25	19	16	33	24	19	16	23	19	15		23	18	15		22	18	15	14
10	32	23	18	14	31	22	18	14	22	17	14		21	17	14		20	16	14	13

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	9.6	3.0	1.9
10°-20°	25.6	8.2	5.2
20°-30°	35.9	11.4	7.3
30°-40°	41.3	13.2	8.3
40°-50°	43.5	13.9	8.8
50°-60°	43.8	14.0	8.8
60°-70°	41.7	13.3	8.4
70°-80°	36.5	11.6	7.4
80°-90°	27.5	8.8	5.6
90°-100°	8.3	2.6	1.7
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°	71.1	22.7	14.4
0°-40°	112.4	35.8	22.7
0°-60°	199.7	63.7	40.3
0°-90°	305.4	97.4	61.7
90°-120°	8.3	2.6	1.7
90°-150°	8.3	2.6	1.7
90°-180°	8.0	2.6	1.6
0°-180°	313.7	100.0	63.4

CANDELA DISTRIBUTION:

	0°	Flux
0°	106	
5°	101	10
15°	91	26
25°	78	36
35°	66	41
45°	56	44
55°	49	44
65°	42	42
75°	35	36
85°	25	22
90°	20	10
95°	7	4
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°	105.6
2.5°	103.7
5°	101.4
7.5°	99.4
10°	97.1
12.5°	94.4
15°	91.3
17.5°	88.0
20°	84.5
22.5°	81.2
25°	77.9
27.5°	74.6
30°	71.5
32.5°	68.6
35°	65.8
37.5°	63.2
40°	60.7
42.5°	58.4
45°	56.2
47.5°	54.2
50°	52.4
52.5°	50.5
55°	48.8
57.5°	47.1
60°	45.5
62.5°	43.8
65°	42.1
67.5°	40.4
70°	38.6
72.5°	36.7
75°	34.6
77.5°	32.4
80°	30.1
82.5°	27.7
85°	25.3
87.5°	22.8
90°	20.1
92.5°	13.5
95°	6.6
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)