

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: H35151

Luminaire Tested: **H7ICT-171PS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: H35151
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: H7ICT-171PS
Description: HALO 7" RECESSED DOWNLIGHT
SHOWER TRIM WITH DROP OPAL LENS AND REFLECTOR CONE
LAMP POSITION FIXED
Light Source: 40A19 40 WATTS 495 LUMENS
A19 INSIDE FROSTED
Ballast/Driver: -

Summary

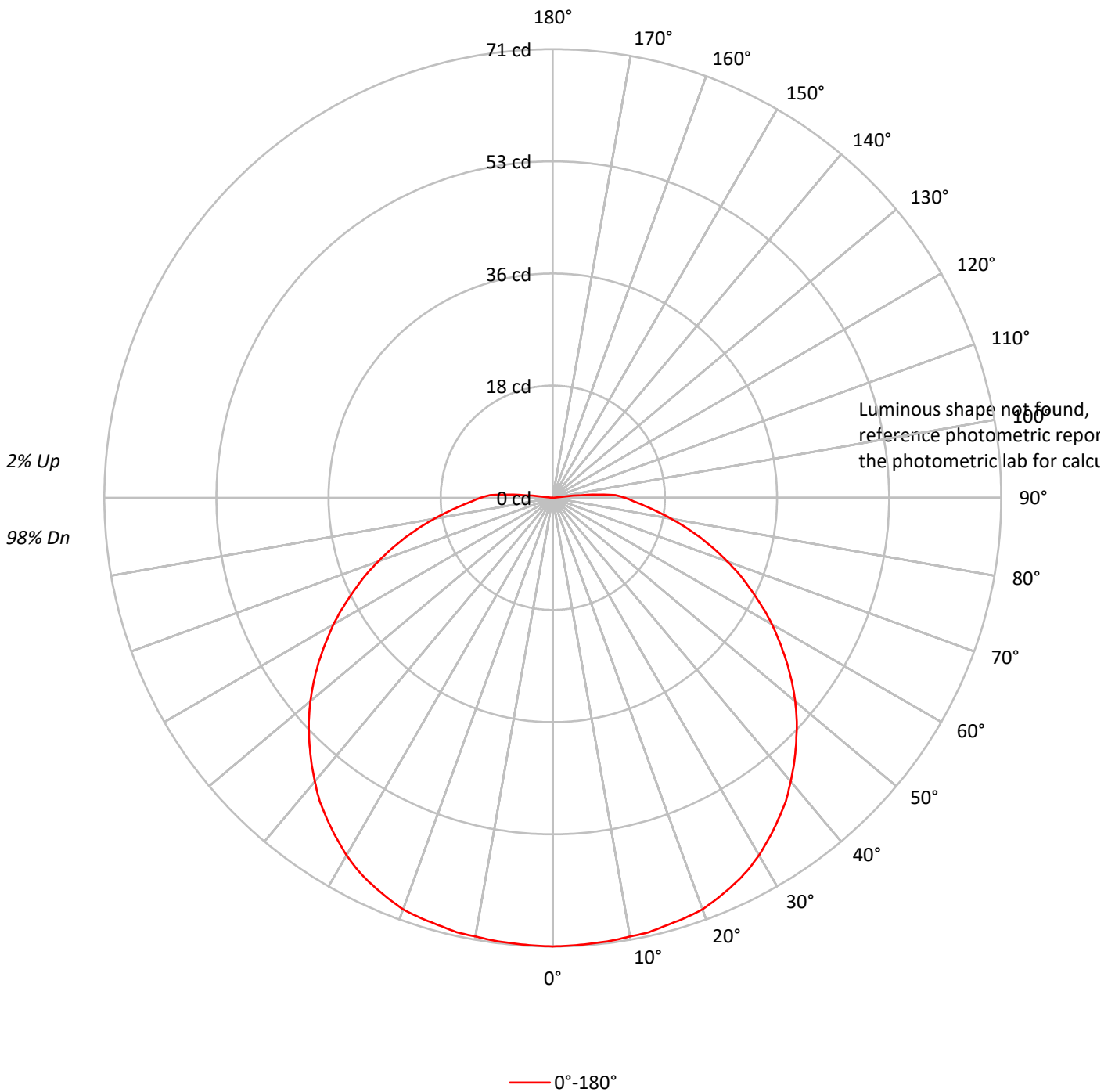
Lumens per Lamp: 495 (1 lamp)
Luminaire Lumens: 261.1 lumens
Efficiency: 52.7%
Efficacy: 6.5 lumens/watt
Spacing Criteria (0/90/45): 1.36 / 1.36 / 1.47
Luminous Opening: (L: 0 ' x W: -0.43 ' x H: 0 '
CIE Type: Direct

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



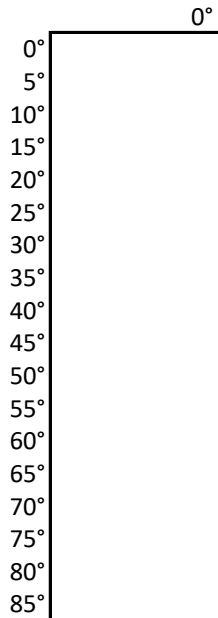


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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	63	63	63	63	61	61	61	61	58	58	58	55	55	55	53	53	53	52
1	56	53	50	48	54	51	49	47	49	47	45	47	45	43	44	43	42	41
2	50	45	41	38	49	44	40	37	42	39	36	40	37	35	38	36	34	33
3	46	39	35	31	44	38	34	30	37	33	30	35	32	29	33	31	28	27
4	41	35	30	26	40	34	29	25	32	28	25	31	27	25	30	27	24	23
5	38	31	26	22	37	30	25	22	29	25	21	28	24	21	26	23	21	19
6	35	28	23	19	34	27	22	19	26	22	19	25	21	18	24	21	18	17
7	32	25	20	17	31	24	20	17	23	19	16	23	19	16	22	18	16	15
8	30	23	18	15	29	22	18	15	21	17	14	21	17	14	20	17	14	13
9	28	21	16	13	27	20	16	13	20	16	13	19	15	13	18	15	13	12
10	26	19	15	12	26	19	15	12	18	14	12	18	14	12	17	14	12	11

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	6.8	2.6	1.4
10°-20°	19.8	7.6	4.0
20°-30°	31.2	11.9	6.3
30°-40°	39.0	14.9	7.9
40°-50°	42.1	16.1	8.5
50°-60°	40.4	15.5	8.2
60°-70°	34.4	13.2	7.0
70°-80°	25.5	9.8	5.1
80°-90°	16.2	6.2	3.3
90°-100°	5.8	2.2	1.2
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°	57.8	22.1	11.7
0°-40°	96.7	37.0	19.5
0°-60°	179.2	68.7	36.2
0°-90°	255.3	97.8	51.6
90°-120°	5.8	2.2	1.2
90°-150°	5.8	2.2	1.2
90°-180°	6.0	2.3	1.2
0°-180°	261.1	100.0	52.7

CANDELA DISTRIBUTION:

	0°	Flux
0°	71	
5°	71	7
15°	70	20
25°	68	31
35°	62	39
45°	54	42
55°	45	40
65°	35	34
75°	24	25
85°	15	13
90°	12	6
95°	5	3
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°	71.0
2.5°	70.9
5°	70.8
7.5°	70.7
10°	70.5
12.5°	70.4
15°	70.0
17.5°	69.7
20°	69.3
22.5°	68.5
25°	67.6
27.5°	66.6
30°	65.3
32.5°	63.8
35°	62.2
37.5°	60.6
40°	58.6
42.5°	56.6
45°	54.5
47.5°	52.4
50°	50.1
52.5°	47.7
55°	45.2
57.5°	42.6
60°	40.1
62.5°	37.4
65°	34.7
67.5°	32.1
70°	29.4
72.5°	26.7
75°	24.1
77.5°	21.5
80°	19.0
82.5°	16.7
85°	14.6
87.5°	12.8
90°	11.5
92.5°	9.9
95°	5.4
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)