

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: H35150

Luminaire Tested: **H7ICT-170PS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: H35150  
Test Lab:  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: H7ICT-170PS  
Description: HALO 7" RECESSED DOWNLIGHT  
SHOWER TRIM WITH ALBALITE LENS AND REFLECTOR CONE  
LAMP POSITION FIXED  
Light Source: 40A19 40 WATTS 495 LUMENS  
A19 INSIDE FROSTED  
Ballast/Driver: -

**Summary**

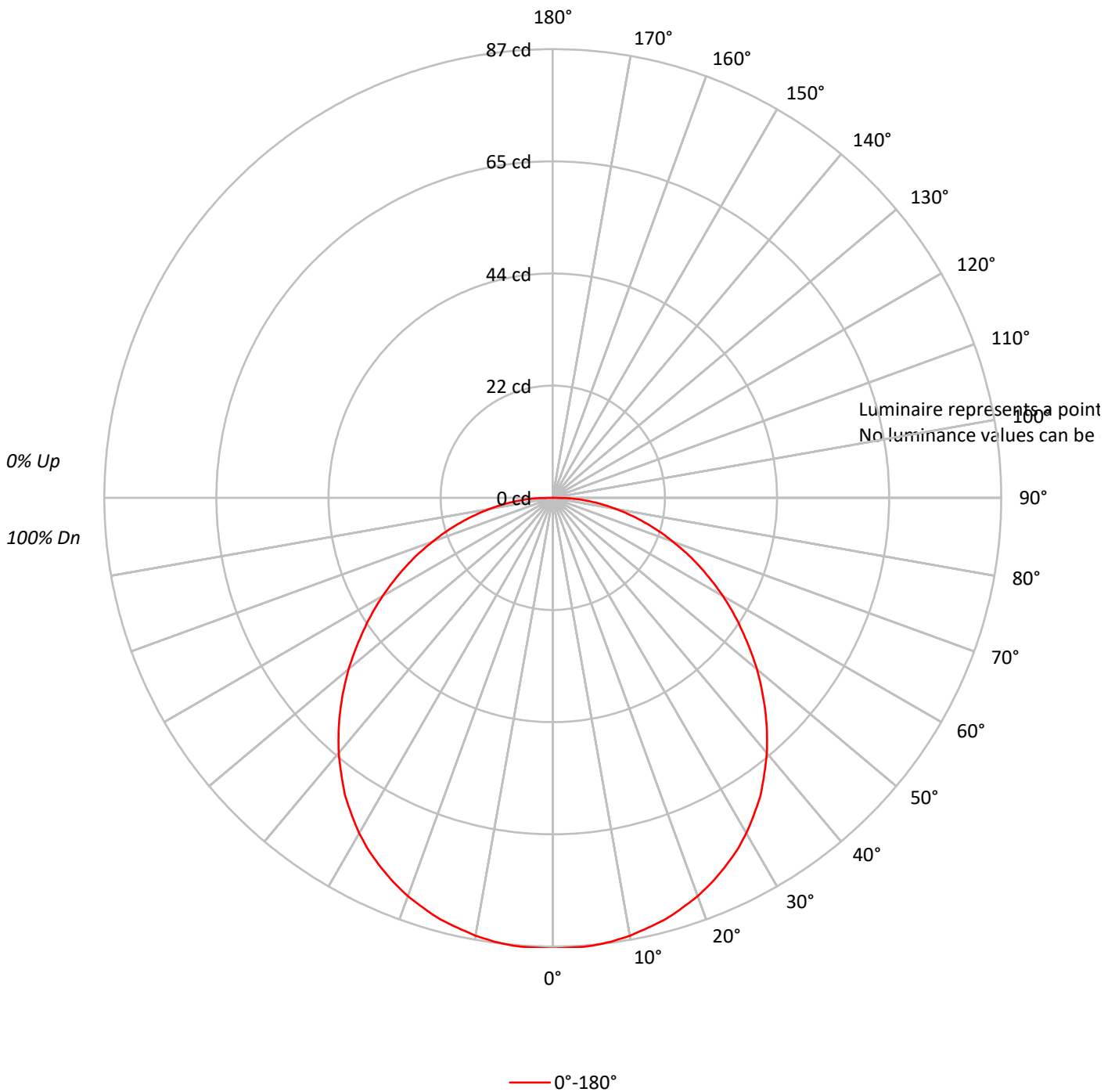
Lumens per Lamp: 495 (1 lamp)  
Luminaire Lumens: 255.4 lumens  
Efficiency: 51.6%  
Efficacy: 6.4 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.38  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

Input Watts (W): 40  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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



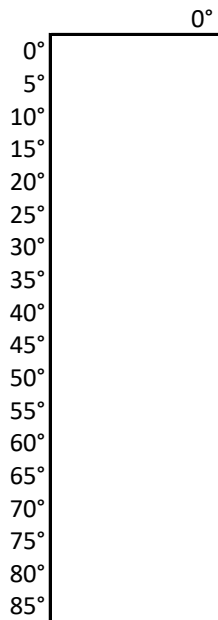


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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

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	61	61	61	61	60	60	60	60	57	57	57	55	55	55	53	53	53	52
1	56	53	51	49	54	52	50	48	50	48	47	48	46	45	46	45	44	43
2	51	46	43	40	49	45	42	39	43	41	38	42	39	37	40	38	36	35
3	46	41	36	33	45	40	36	33	38	35	32	37	34	31	35	33	31	30
4	42	36	31	28	41	35	31	28	34	30	27	33	29	27	32	29	26	25
5	39	32	27	24	38	32	27	24	30	26	23	29	26	23	28	25	23	22
6	36	29	24	21	35	28	24	21	27	23	21	27	23	20	26	23	20	19
7	33	26	22	18	32	26	21	18	25	21	18	24	21	18	23	20	18	17
8	31	24	19	16	30	24	19	16	23	19	16	22	19	16	22	18	16	15
9	29	22	18	15	28	22	18	15	21	17	15	20	17	15	20	17	14	14
10	27	20	16	13	26	20	16	13	19	16	13	19	16	13	18	15	13	12

**AVERAGE LUMINANCE (cd/sqm):**





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	8.3	3.2	1.7
10°-20°	23.9	9.3	4.8
20°-30°	36.4	14.3	7.4
30°-40°	43.9	17.2	8.9
40°-50°	45.0	17.6	9.1
50°-60°	40.1	15.7	8.1
60°-70°	31.1	12.2	6.3
70°-80°	19.5	7.7	3.9
80°-90°	7.2	2.8	1.5
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°	68.6	26.8	13.9
0°-40°	112.5	44.0	22.7
0°-60°	197.5	77.3	39.9
0°-90°	255.4	100.0	51.6
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°	255.4	100.0	51.6

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	87	
5°	87	8
15°	85	24
25°	79	36
35°	70	44
45°	58	45
55°	45	40
65°	31	31
75°	18	20
85°	7	7
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



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	87.4
2.5°	87.3
5°	87.2
7.5°	86.8
10°	86.2
12.5°	85.4
15°	84.6
17.5°	83.4
20°	82.2
22.5°	80.7
25°	79.0
27.5°	77.2
30°	75.1
32.5°	72.7
35°	70.3
37.5°	67.4
40°	64.6
42.5°	61.5
45°	58.3
47.5°	55.0
50°	51.7
52.5°	48.2
55°	44.8
57.5°	41.5
60°	38.1
62.5°	34.7
65°	31.4
67.5°	28.1
70°	24.8
72.5°	21.6
75°	18.5
77.5°	15.4
80°	12.4
82.5°	9.5
85°	6.7
87.5°	4.1
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)