

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: H35157

Luminaire Tested: **H7ICT-4041P**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: H35157  
Test Lab:  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: H7ICT-4041P  
Description: HALO 7" RECESSED DOWNLIGHT  
OPEN REFLECTOR - SELF FLANGED - WHITE  
SOCKET POSITION FIXED  
Light Source: 60A19 60 WATTS 860 LUMENS  
A19 INSIDE FROSTED  
Ballast/Driver: -

**Summary**

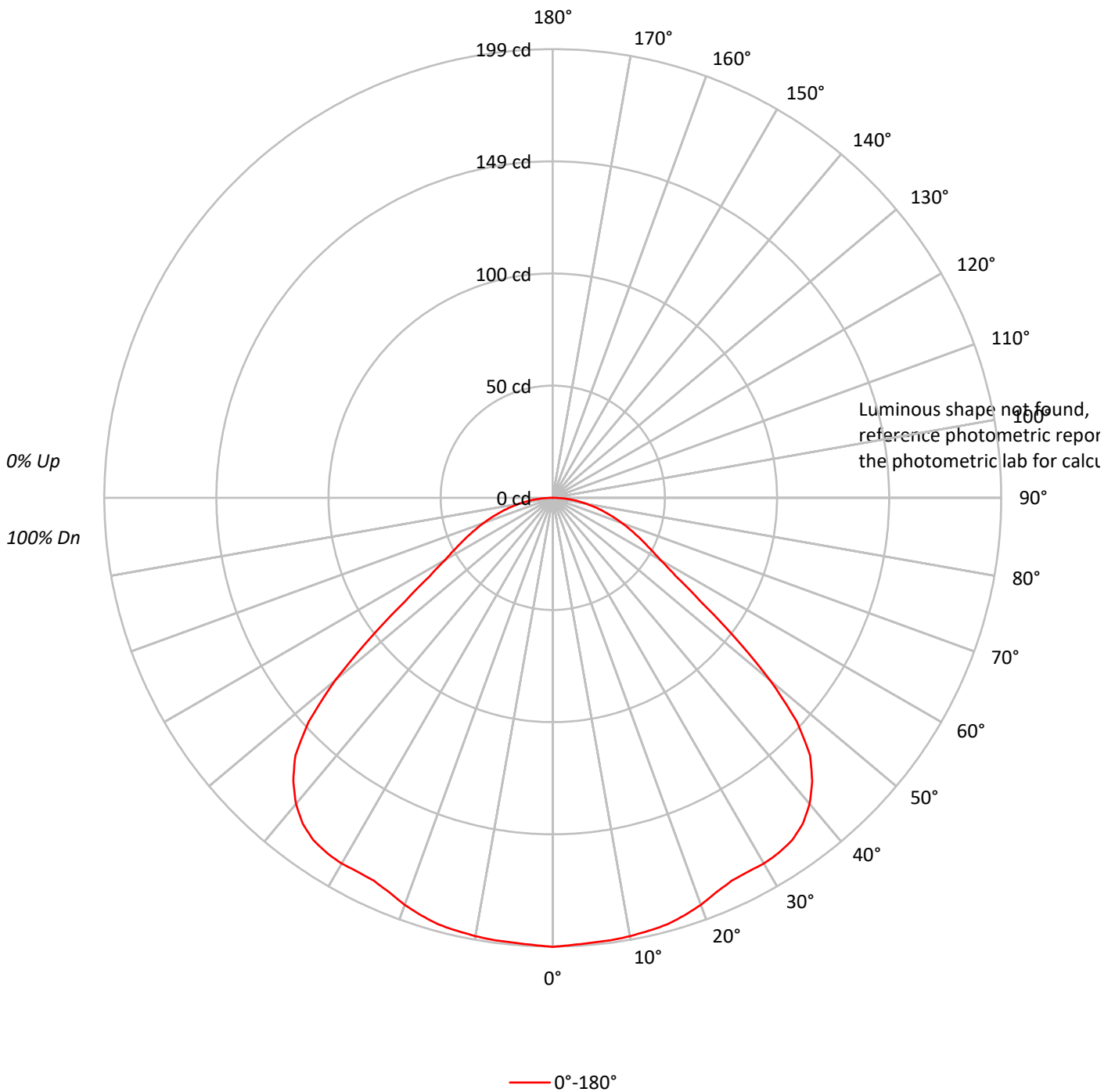
Lumens per Lamp: 860 (1 lamp)  
Luminaire Lumens: 549.0 lumens  
Efficiency: 63.8%  
Efficacy: 9.2 lumens/watt  
Spacing Criteria (0/90/45): 1.43 / 1.43 / 1.49  
Luminous Opening: (L: 0' x W: -0.48' x H: 0'  
CIE Type: Direct

Input Watts (W): 60  
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



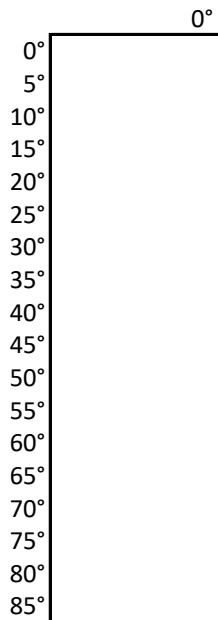


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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

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	76	76	76	76	74	74	74	74	71	71	71	68	68	68	65	65	65	64
1	70	67	65	63	68	66	64	62	63	61	60	61	59	58	58	57	56	55
2	64	59	55	52	63	58	55	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	46	44	41	40
4	54	47	42	38	53	46	41	37	45	40	37	43	39	36	42	39	36	35
5	50	42	37	33	49	41	36	33	40	36	32	39	35	32	38	34	31	30
6	46	38	33	29	45	37	32	29	36	32	28	35	31	28	34	31	28	27
7	43	35	29	25	42	34	29	25	33	28	25	32	28	25	31	28	25	24
8	40	32	26	23	39	31	26	23	30	26	22	29	25	22	29	25	22	21
9	37	29	24	20	36	29	24	20	28	23	20	27	23	20	27	23	20	19
10	35	27	22	18	34	26	22	18	26	21	18	25	21	18	25	21	18	17

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	18.9	3.4	2.2
10°-20°	55.3	10.1	6.4
20°-30°	87.2	15.9	10.1
30°-40°	115.6	21.0	13.4
40°-50°	121.5	22.1	14.1
50°-60°	74.9	13.6	8.7
60°-70°	42.7	7.8	5.0
70°-80°	24.9	4.5	2.9
80°-90°	8.2	1.5	1.0
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°	161.4	29.4	18.8
0°-40°	276.9	50.4	32.2
0°-60°	473.3	86.2	55.0
0°-90°	549.0	100.0	63.8
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°	549.0	100.0	63.8

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	199	
5°	198	19
15°	196	55
25°	188	87
35°	185	116
45°	162	122
55°	80	75
65°	43	43
75°	24	25
85°	8	8
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°	199.2
2.5°	198.5
5°	198.1
7.5°	197.9
10°	197.4
12.5°	196.7
15°	195.9
17.5°	194.2
20°	192.1
22.5°	189.4
25°	187.5
27.5°	187.1
30°	187.3
32.5°	186.7
35°	185.3
37.5°	182.2
40°	177.3
42.5°	170.4
45°	161.5
47.5°	146.8
50°	125.9
52.5°	101.7
55°	79.8
57.5°	64.7
60°	55.1
62.5°	48.4
65°	42.7
67.5°	37.5
70°	32.6
72.5°	27.9
75°	23.5
77.5°	19.1
80°	15.0
82.5°	11.1
85°	7.5
87.5°	4.0
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)