

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: H35042

Luminaire Tested: **H7ICT-30CAT**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: H35042
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: H7ICT-30CAT
Description: HALO 7" DIA RECESSED DOWNLIGHT
SPECULAR REFLECTOR
Light Source: 60A19 60 WATTS 860 LUMENS
A19 INSIDE FROSTED
Ballast/Driver: -

Summary

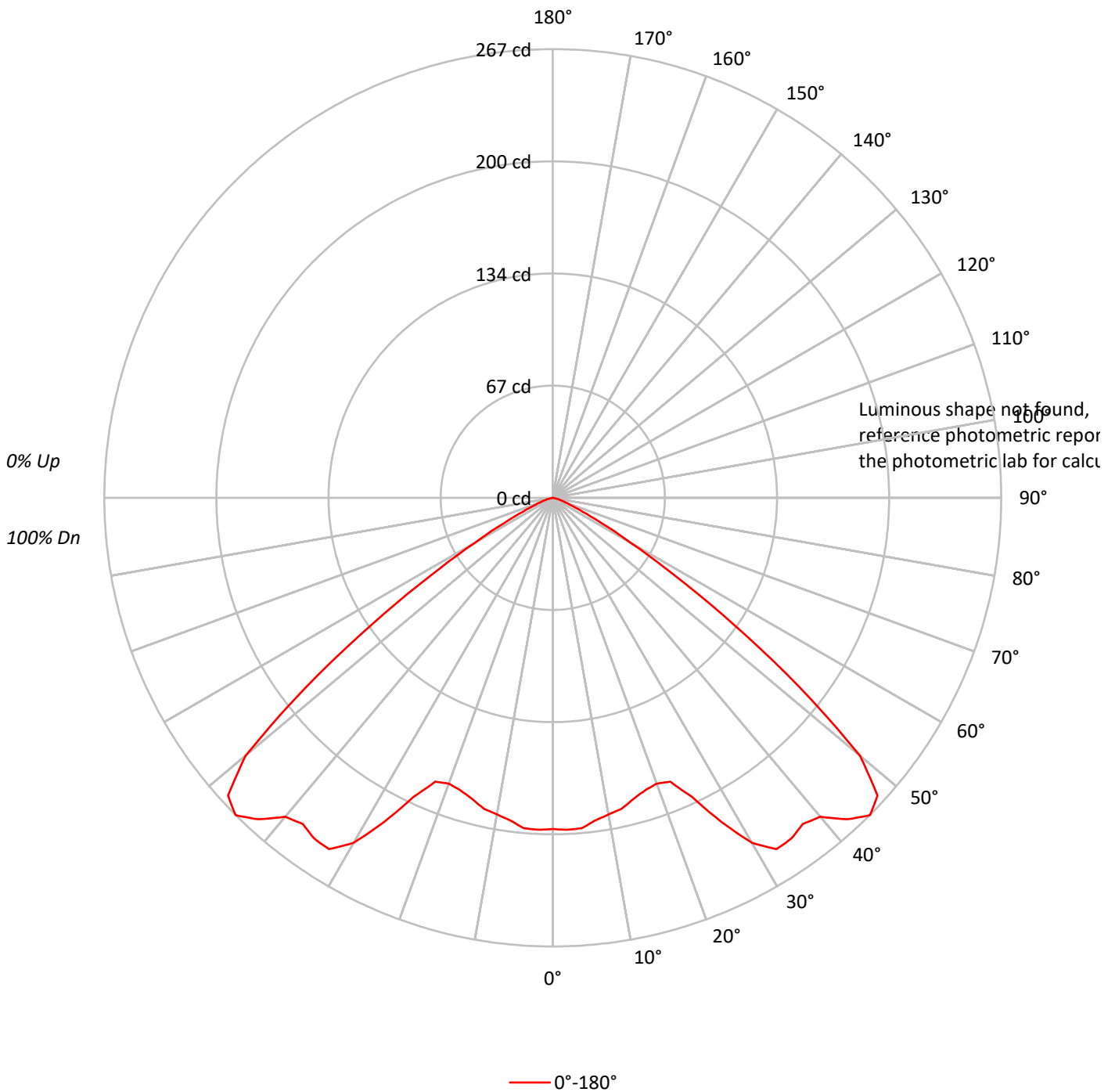
Lumens per Lamp: 860 (1 lamp)
Luminaire Lumens: 668.0 lumens
Efficiency: 77.7%
Efficacy: 11.1 lumens/watt
Spacing Criteria (0/90/45): 1.93 / 1.93 / 1.78
Luminous Opening: (L: 0 ' x W: -0.48 ' x H: 0 '
CIE Type: Direct

Input Watts (W): 60
Input Voltage (V): NR
Input Current (A_{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



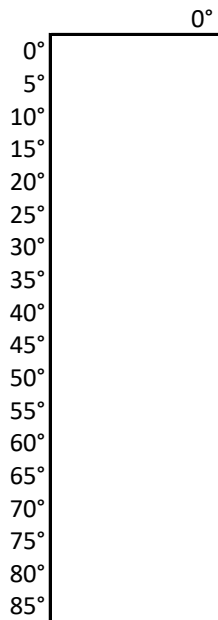


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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	92	92	92	92	90	90	90	90	86	86	86		83	83	83		79	79	79	78
1	86	83	81	78	84	82	79	77	78	76	75		75	74	72		73	71	70	69
2	79	74	70	66	78	73	68	65	70	66	64		67	65	62		65	63	61	59
3	73	66	60	56	71	65	59	55	62	58	54		60	56	53		58	55	52	51
4	67	58	52	47	65	57	52	47	56	50	47		54	49	46		52	48	45	44
5	61	52	46	41	60	51	45	41	50	44	40		48	43	40		47	43	39	38
6	57	47	40	35	55	46	40	35	45	39	35		43	38	35		42	38	34	33
7	52	42	35	31	51	41	35	31	40	35	31		39	34	30		38	34	30	29
8	48	38	32	27	47	38	31	27	36	31	27		36	30	27		35	30	27	25
9	45	35	28	24	44	34	28	24	33	28	24		32	27	24		32	27	24	22
10	42	32	26	22	41	31	25	21	30	25	21		30	25	21		29	24	21	20

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	18.6	2.8	2.2
10°-20°	52.5	7.9	6.1
20°-30°	94.1	14.1	10.9
30°-40°	154.4	23.1	17.9
40°-50°	199.8	29.9	23.2
50°-60°	121.5	18.2	14.1
60°-70°	23.5	3.5	2.7
70°-80°	3.6	0.5	0.4
80°-90°	0.1	0.0	0.0
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°	165.2	24.7	19.2
0°-40°	319.5	47.8	37.2
0°-60°	640.8	95.9	74.5
0°-90°	668.0	100.0	77.7
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°	668.0	100.0	77.7

CANDELA DISTRIBUTION:

	0°	Flux
0°	197	
5°	197	19
15°	186	53
25°	196	94
35°	248	154
45°	267	200
55°	131	121
65°	20	24
75°	3	4
85°	0	0
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°	197.1
2.5°	197.7
5°	197.4
7.5°	193.6
10°	191.3
12.5°	189.5
15°	185.5
17.5°	182.5
20°	181.0
22.5°	182.8
25°	196.4
27.5°	217.4
30°	237.1
32.5°	247.9
35°	247.6
37.5°	244.6
40°	247.8
42.5°	259.5
45°	267.1
47.5°	262.2
50°	238.6
52.5°	185.4
55°	131.1
57.5°	86.3
60°	53.7
62.5°	33.2
65°	19.6
67.5°	12.2
70°	8.1
72.5°	5.5
75°	3.1
77.5°	1.1
80°	0.2
82.5°	0.2
85°	0.0
87.5°	0.0
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)