

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: H35154

Luminaire Tested: **H7ICT-312P**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: H35154
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: H7ICT-312P
Description: HALO 7" RECESSED DOWNLIGHT
BLACK BAFFLE TRIM
SOCKET BRACKET AT STOP
Light Source: 65BR30 65 WATTS 770 LUMENS
BR30 FLOOD
Ballast/Driver: -

Summary

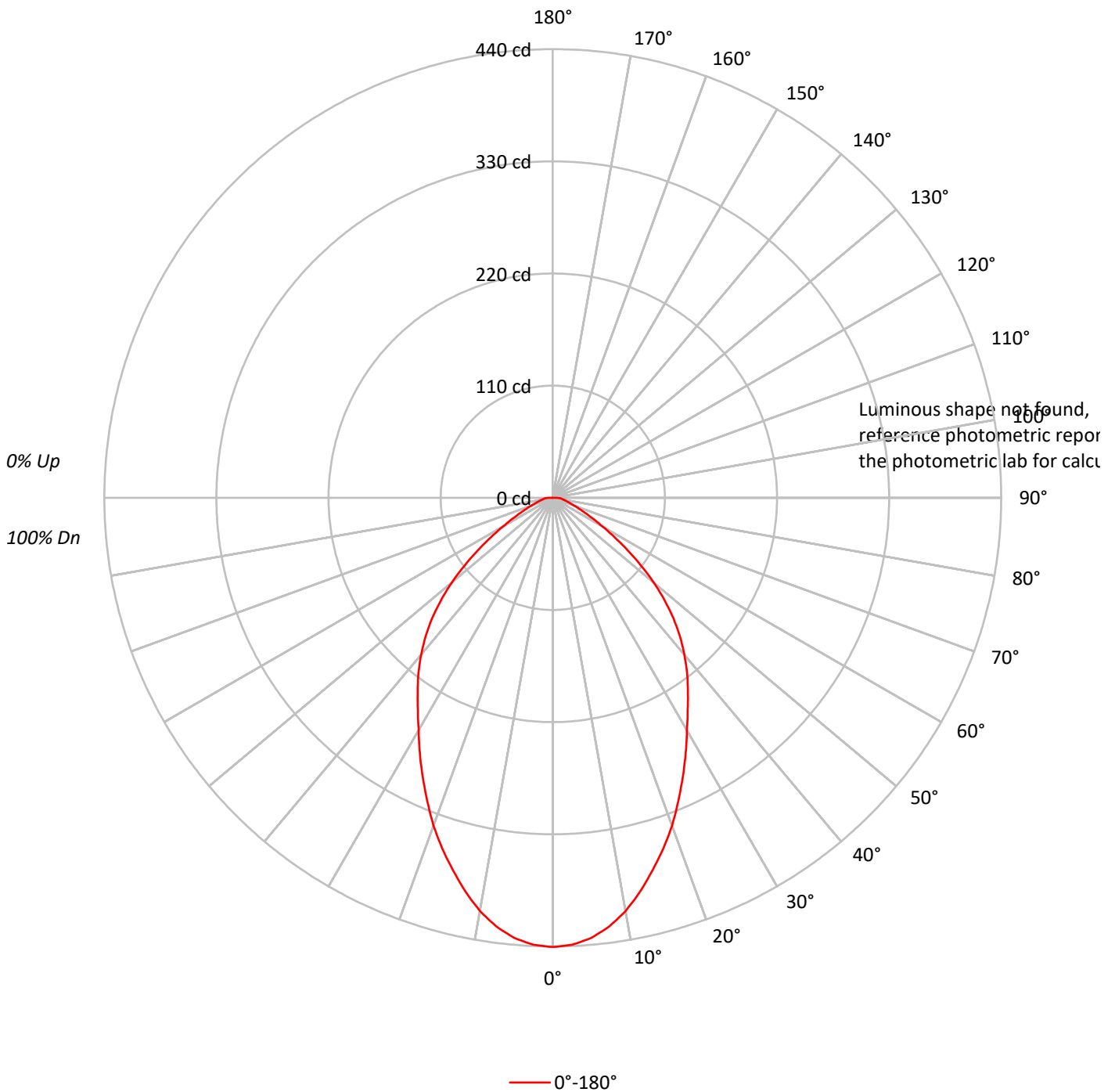
Lumens per Lamp: 770 (1 lamp)
Luminaire Lumens: 700.1 lumens
Efficiency: 90.9%
Efficacy: 10.8 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 1.07
Luminous Opening: (L: 0 ' x W: -0.48 ' x H: 0 '
CIE Type: Direct

Input Watts (W): 65
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	108	108	108	108	106	106	106	106	101	101	101		97	97	97		93	93	93	91
1	101	97	94	91	98	95	92	90	92	89	87		88	86	84		85	83	82	80
2	94	87	82	78	91	86	81	77	83	79	75		80	77	74		77	75	72	70
3	87	79	73	68	85	77	72	67	75	70	66		72	68	65		70	67	64	62
4	81	71	64	59	79	70	64	59	68	62	58		66	61	57		64	60	57	55
5	75	65	58	53	73	64	57	52	62	56	52		60	55	51		59	54	51	49
6	70	59	52	47	68	58	52	47	57	51	46		55	50	46		54	49	46	44
7	65	54	47	42	64	54	47	42	52	46	42		51	46	42		50	45	41	40
8	61	50	43	39	60	50	43	38	48	43	38		47	42	38		46	42	38	36
9	58	47	40	35	56	46	40	35	45	39	35		44	39	35		43	38	35	33
10	54	43	37	32	53	43	37	32	42	36	32		41	36	32		40	36	32	31

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	40.7	5.8	5.3
10°-20°	106.1	15.2	13.8
20°-30°	138.8	19.8	18.0
30°-40°	144.7	20.7	18.8
40°-50°	128.2	18.3	16.7
50°-60°	80.8	11.5	10.5
60°-70°	36.1	5.2	4.7
70°-80°	16.5	2.4	2.1
80°-90°	8.3	1.2	1.1
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°	285.5	40.8	37.1
0°-40°	430.2	61.4	55.9
0°-60°	639.2	91.3	83.0
0°-90°	700.1	100.0	90.9
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°	700.1	100.0	90.9

CANDELA DISTRIBUTION:

0°	Flux
0°	440
5°	433
15°	378
25°	302
35°	231
45°	168
55°	90
65°	35
75°	15
85°	8
90°	0
95°	0
105°	0
115°	0
125°	0
135°	0
145°	0
155°	0
165°	0
175°	0
180°	0



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CANDELA DISTRIBUTION (FULL):

0°	
0°	440.5
2.5°	438.7
5°	433.4
7.5°	424.0
10°	411.5
12.5°	395.7
15°	378.1
17.5°	360.6
20°	342.1
22.5°	321.7
25°	301.8
27.5°	282.4
30°	263.1
32.5°	246.4
35°	231.1
37.5°	216.4
40°	200.8
42.5°	184.8
45°	167.6
47.5°	148.7
50°	129.4
52.5°	108.9
55°	89.6
57.5°	71.7
60°	56.6
62.5°	44.4
65°	34.9
67.5°	27.6
70°	22.2
72.5°	18.2
75°	15.1
77.5°	12.7
80°	10.9
82.5°	9.5
85°	8.3
87.5°	7.1
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)