

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: H35155

Luminaire Tested: **H7ICT-312W**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: H35155
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: H7ICT-312W
Description: HALO 7" RECESSED DOWNLIGHT
WHITE BAFFLE TRIM
SOCKET BRACKET AT STOP
Light Source: 65BR30 65 WATTS 770 LUMENS
BR30 FLOOD
Ballast/Driver: -

Summary

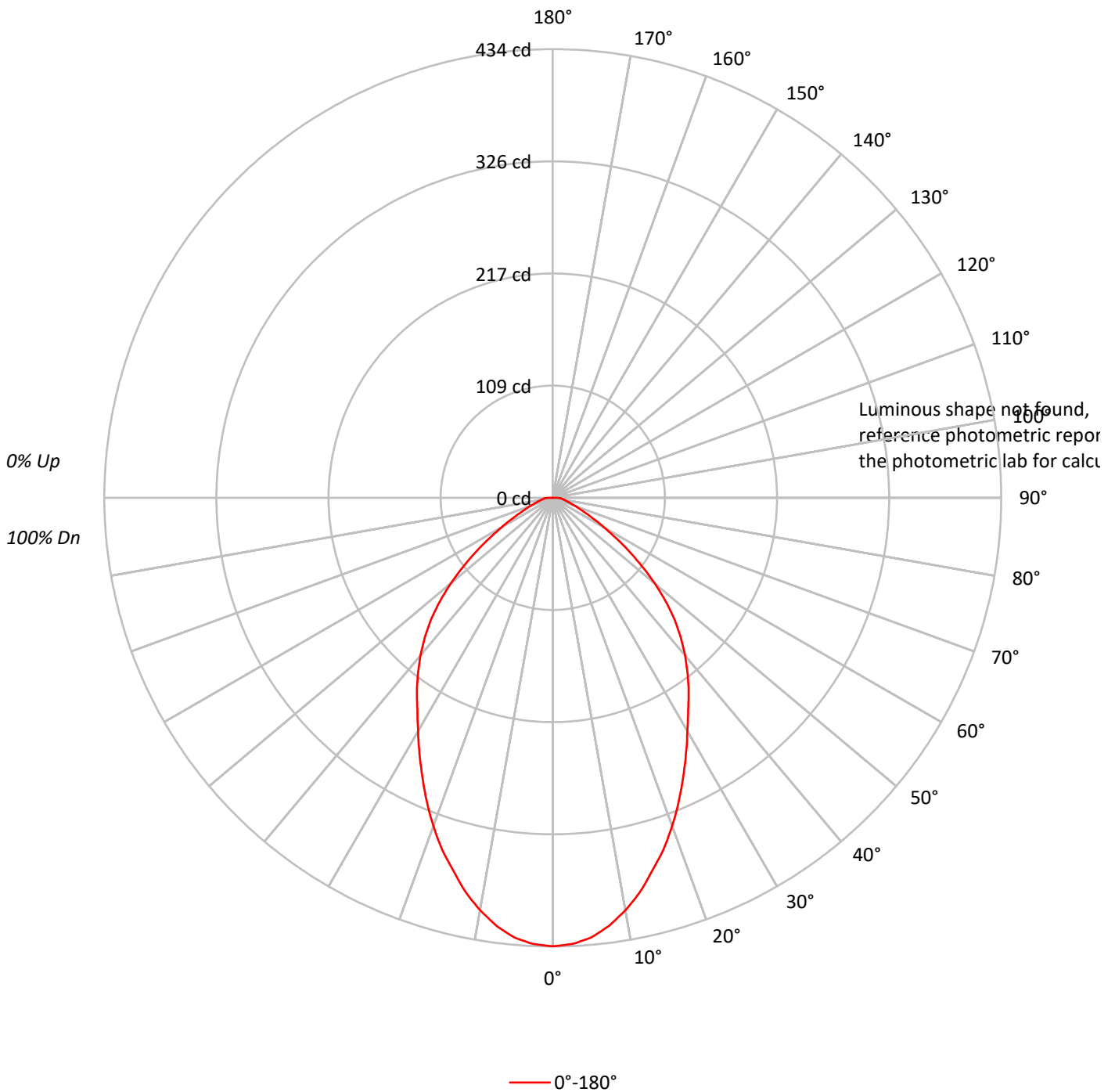
Lumens per Lamp: 770 (1 lamp)
Luminaire Lumens: 695.9 lumens
Efficiency: 90.4%
Efficacy: 10.7 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 1.08
Luminous Opening: (L: 0 ' x W: -0.48 ' x H: 0 '
CIE Type: Direct

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



TEST NUMBER: H35155
CATALOG NUMBER: H7ICT-312W

Luminous Intensity Polar Plot



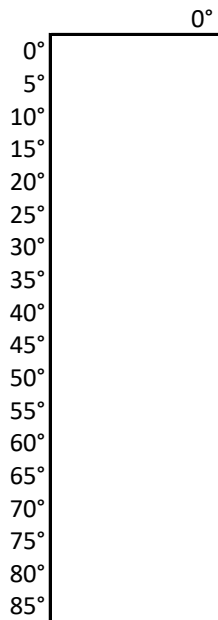


TEST NUMBER: H35155
 CATALOG NUMBER: H7ICT-312W

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	105	105	105	105	100	100	100		96	96	96		92	92	92	90
1	100	97	94	91	98	95	92	89	91	89	86		87	86	84		84	83	81	80
2	93	87	82	77	91	85	80	77	82	78	75		79	76	73		77	74	72	70
3	86	78	72	67	84	77	71	66	74	69	65		72	68	64		70	66	63	61
4	80	71	64	59	78	70	63	58	67	62	58		65	61	57		64	60	56	54
5	74	64	57	52	73	63	57	52	62	56	51		60	55	51		58	54	50	49
6	69	59	52	47	68	58	51	46	56	50	46		55	50	46		54	49	45	44
7	65	54	47	42	63	53	47	42	52	46	42		51	45	41		50	45	41	39
8	61	50	43	38	59	49	43	38	48	42	38		47	42	38		46	41	37	36
9	57	46	39	35	56	46	39	35	45	39	35		44	38	34		43	38	34	33
10	54	43	36	32	53	42	36	32	42	36	32		41	35	32		40	35	32	30

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	40.0	5.8	5.2
10°-20°	104.7	15.0	13.6
20°-30°	137.3	19.7	17.8
30°-40°	143.3	20.6	18.6
40°-50°	127.4	18.3	16.5
50°-60°	81.0	11.6	10.5
60°-70°	36.7	5.3	4.8
70°-80°	17.0	2.4	2.2
80°-90°	8.5	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°	282.0	40.5	36.6
0°-40°	425.3	61.1	55.2
0°-60°	633.7	91.1	82.3
0°-90°	695.9	100.0	90.4
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°	695.9	100.0	90.4

CANDELA DISTRIBUTION:

	0°	Flux
0°	434	
5°	427	40
15°	373	105
25°	298	137
35°	229	143
45°	167	127
55°	90	81
65°	36	37
75°	16	17
85°	8	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	



TEST NUMBER: H35155
CATALOG NUMBER: H7ICT-312W

CANDELA DISTRIBUTION (FULL):

0°	
0°	433.8
2.5°	432.1
5°	427.0
7.5°	417.6
10°	405.0
12.5°	390.5
15°	372.9
17.5°	356.5
20°	337.9
22.5°	318.4
25°	298.4
27.5°	279.2
30°	260.5
32.5°	243.7
35°	229.2
37.5°	214.3
40°	199.1
42.5°	183.3
45°	166.6
47.5°	148.1
50°	128.8
52.5°	109.0
55°	89.7
57.5°	72.3
60°	57.3
62.5°	45.1
65°	35.5
67.5°	28.2
70°	22.8
72.5°	18.7
75°	15.5
77.5°	13.1
80°	11.2
82.5°	9.7
85°	8.5
87.5°	7.3
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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CATALOG NUMBER: H7ICT-312W

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)