

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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 COMMERCIAL

Report Number: P584248

Luminaire Tested: **HCC8W30D010MW-HM82555827-81WDWB**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P584248
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC8W30D010MW-HM82555827-81WDWB
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

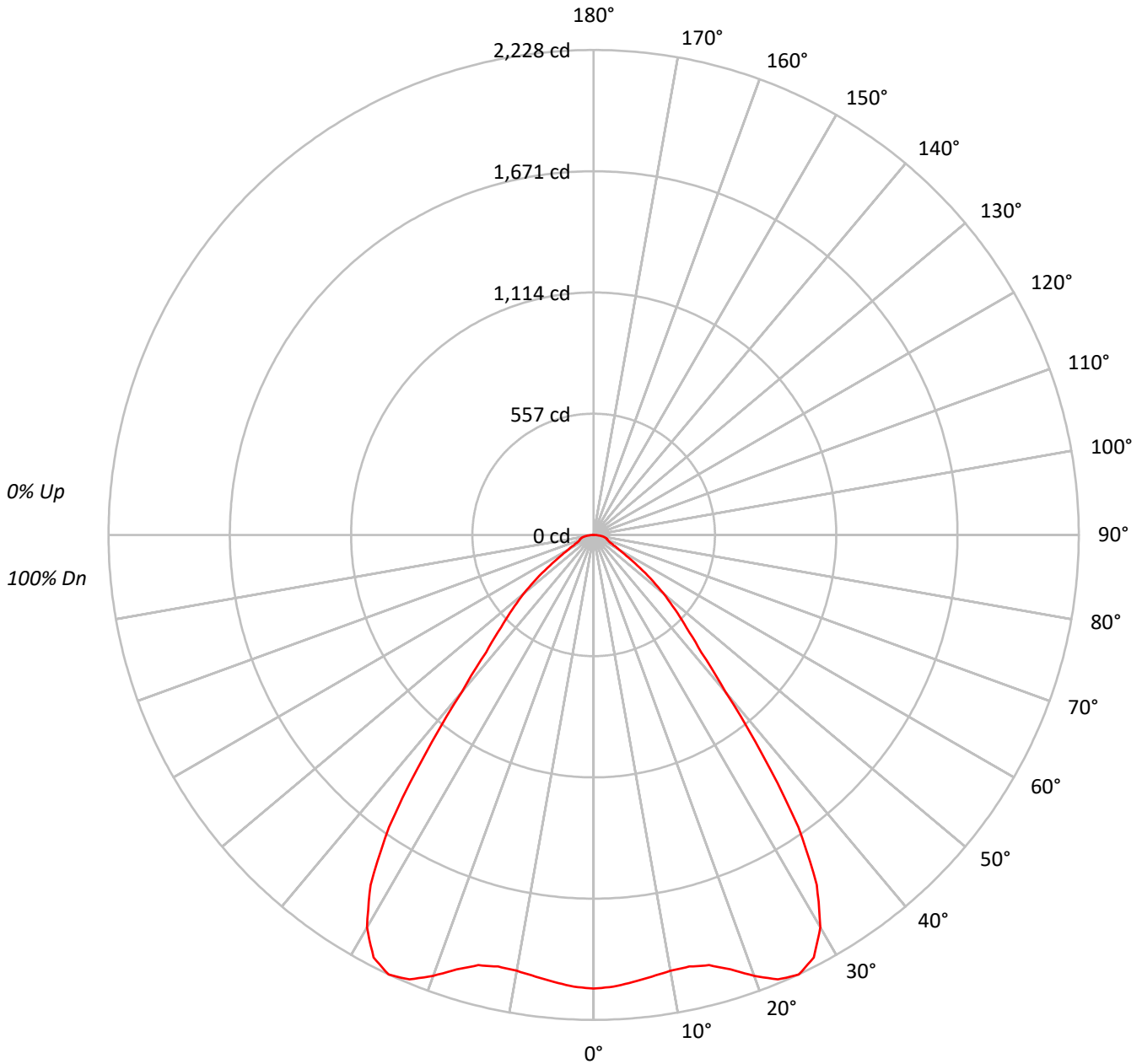
Lumens per Lamp: N/A
Luminaire Lumens: 3659.3 lumens
Efficiency: N/A
Efficacy: 130.7 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.14
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 28
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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	108	105	103	109	106	103	101	102	100	98	98	97	95	95	93	92	90
2	105	99	94	89	102	97	92	88	93	90	86	90	87	84	88	85	83	81
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	73
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	65
5	86	75	68	63	84	74	68	63	73	67	62	71	66	62	69	65	61	59
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54
7	75	64	57	52	74	63	57	52	62	56	51	61	55	51	59	55	51	49
8	71	59	52	47	69	59	52	47	58	51	47	56	51	47	55	50	47	45
9	67	55	48	43	65	55	48	43	54	47	43	53	47	43	52	47	43	41
10	63	51	45	40	62	51	44	40	50	44	40	49	44	40	48	43	40	38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	64266
5°	63827
10°	63660
15°	65329
20°	70724
25°	75823
30°	74130
35°	61725
40°	37919
45°	26257
50°	20038
55°	13145
60°	8221
65°	6158
70°	6203
75°	7149
80°	7902
85°	7076



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.9	5.4
10°-20°	587.4	16.1
20°-30°	1011.3	27.6
30°-40°	979.8	26.8
40°-50°	482.6	13.2
50°-60°	227.8	6.2
60°-70°	89.7	2.5
70°-80°	61.9	1.7
80°-90°	23.0	0.6
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1794.6	49.0
0°-40°	2774.4	75.8
0°-60°	3484.7	95.2
0°-90°	3659.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3659.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2084	
5°	2062	196
15°	2046	587
25°	2228	1011
35°	1640	980
45°	602	483
55°	244	228
65°	84	90
75°	60	62
85°	20	23
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2084.1
2.5°	2077.4
5°	2062.0
7.5°	2046.4
10°	2033.1
12.5°	2030.8
15°	2046.4
17.5°	2093.0
20°	2155.2
22.5°	2210.8
25°	2228.5
27.5°	2188.6
30°	2081.9
32.5°	1906.3
35°	1639.7
37.5°	1273.2
40°	942.0
42.5°	731.0
45°	602.1
47.5°	506.6
50°	417.7
52.5°	328.9
55°	244.5
57.5°	177.8
60°	133.3
62.5°	104.4
65°	84.4
67.5°	73.4
70°	68.8
72.5°	64.4
75°	60.0
77.5°	53.3
80°	44.5
82.5°	33.3
85°	20.0
87.5°	8.9
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)