

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: P584193

Luminaire Tested: **HCC8W25D010BZ-HM82555930-81WDBB**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P584193
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-11)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC8W25D010BZ-HM82555930-81WDBB
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WIDE DISTRIBUTION, BLACK BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

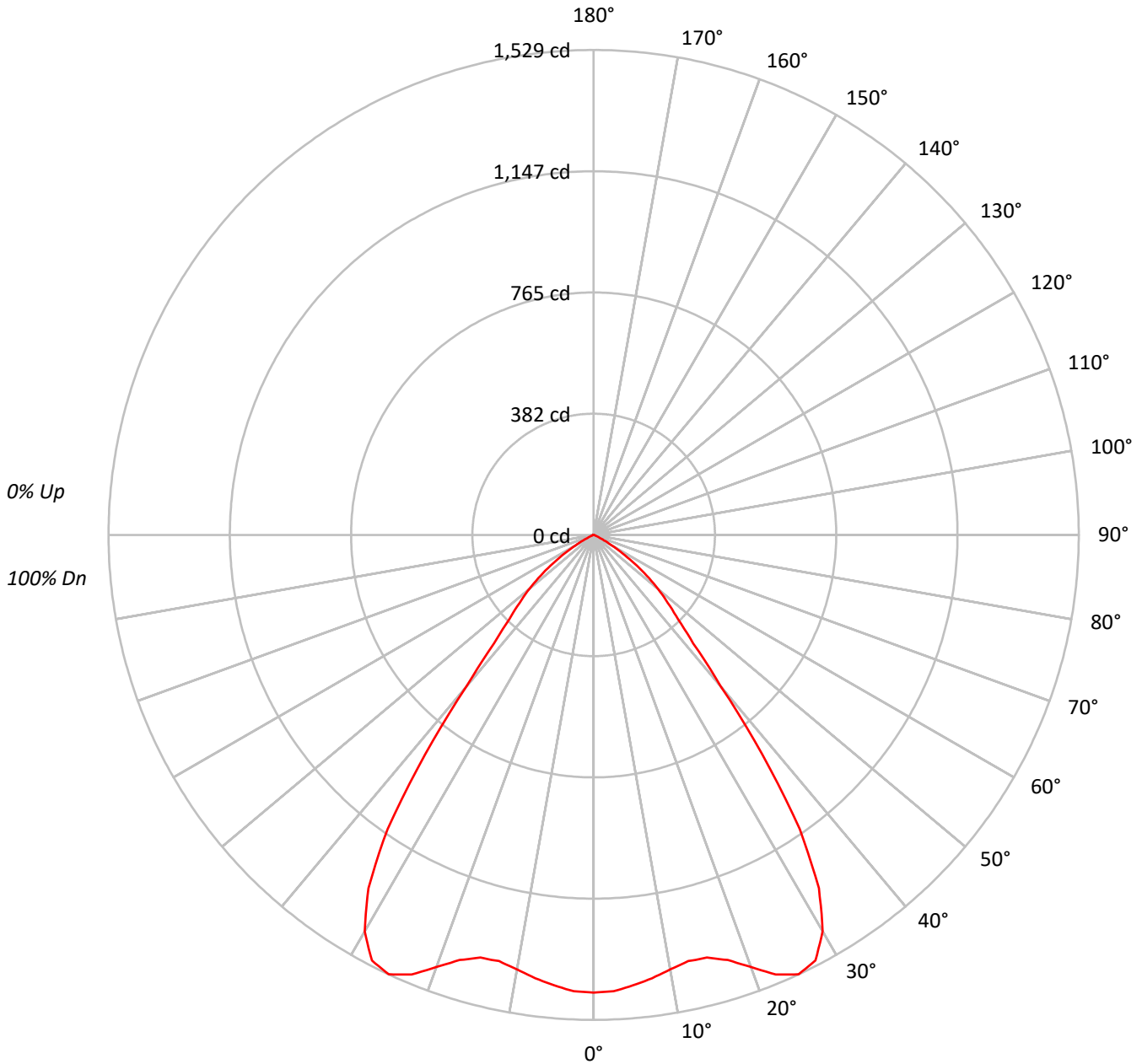
Lumens per Lamp: N/A
Luminaire Lumens: 2375.0 lumens
Efficiency: N/A
Efficacy: 88.6 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.13
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 26.8
Input Voltage (V): NR
Input Current (Ain): 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									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	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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92								
	2	106	100	95	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83	83	80	77	75	75	77	73	72	81	88	83	79	85	81	78	83	80	77	75								
	3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75	75	77	73	72	81	83	77	72	81	76	71	79	74	71	77	73	70	68									
	4	93	84	78	73	91	83	77	72	81	76	71	79	74	71	77	73	70	68	62	71	67	63	62	74	69	65	74	69	65	73	68	64	71	67	63	62									
	5	87	77	71	66	85	76	70	65	74	69	65	73	68	64	71	67	63	62	62	71	67	63	56	80	70	64	59	69	63	59	67	62	58	66	61	58	56								
	6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	56	56	66	61	58	51	75	65	59	54	64	58	54	63	57	53	61	57	53	51								
	7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	61	57	53	51	51	61	57	53	47	71	61	54	49	59	53	49	58	53	49	57	52	49	47								
	8	72	61	54	49	71	61	54	49	59	53	49	58	53	49	57	52	49	47	47	57	52	49	43	67	56	50	45	55	49	45	54	49	45	53	48	45	43								
	9	68	57	50	45	67	56	50	45	55	49	45	54	49	45	53	48	45	43	43	53	48	45	40	63	53	46	42	52	46	42	51	45	42	50	45	41	40								
	10	64	53	46	42	63	53	46	42	52	46	42	51	45	42	50	45	41	40	40	50	45	41																							

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	44500
5°	44131
10°	43549
15°	44046
20°	47563
25°	52013
30°	51384
35°	42625
40°	25090
45°	16393
50°	12703
55°	8441
60°	4107
65°	1270
70°	424
75°	381
80°	284
85°	566



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.0	5.7
10°-20°	396.4	16.7
20°-30°	693.0	29.2
30°-40°	674.1	28.4
40°-50°	306.6	12.9
50°-60°	142.2	6.0
60°-70°	23.8	1.0
70°-80°	2.9	0.1
80°-90°	1.1	0.0
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°	1224.4	51.6
0°-40°	1898.5	79.9
0°-60°	2347.2	98.8
0°-90°	2375.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2375.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1443	
5°	1426	135
15°	1380	396
25°	1529	693
35°	1132	674
45°	376	307
55°	157	142
65°	17	24
75°	3	3
85°	2	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1443.1
2.5°	1439.9
5°	1425.7
7.5°	1409.8
10°	1390.8
12.5°	1376.4
15°	1379.7
17.5°	1405.0
20°	1449.4
22.5°	1500.1
25°	1528.7
27.5°	1512.9
30°	1443.1
32.5°	1321.0
35°	1132.3
37.5°	872.2
40°	623.3
42.5°	464.6
45°	375.9
47.5°	317.1
50°	264.8
52.5°	210.9
55°	157.0
57.5°	107.9
60°	66.6
62.5°	36.5
65°	17.4
67.5°	7.9
70°	4.7
72.5°	3.2
75°	3.2
77.5°	1.6
80°	1.6
82.5°	1.6
85°	1.6
87.5°	0.0
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)