

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: P584482

Luminaire Tested: **HCC8W35D010MW-HM82555935-81WDBB**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P584482
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: HCC8W35D010MW-HM82555935-81WDBB
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WIDE DISTRIBUTION, BLACK BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

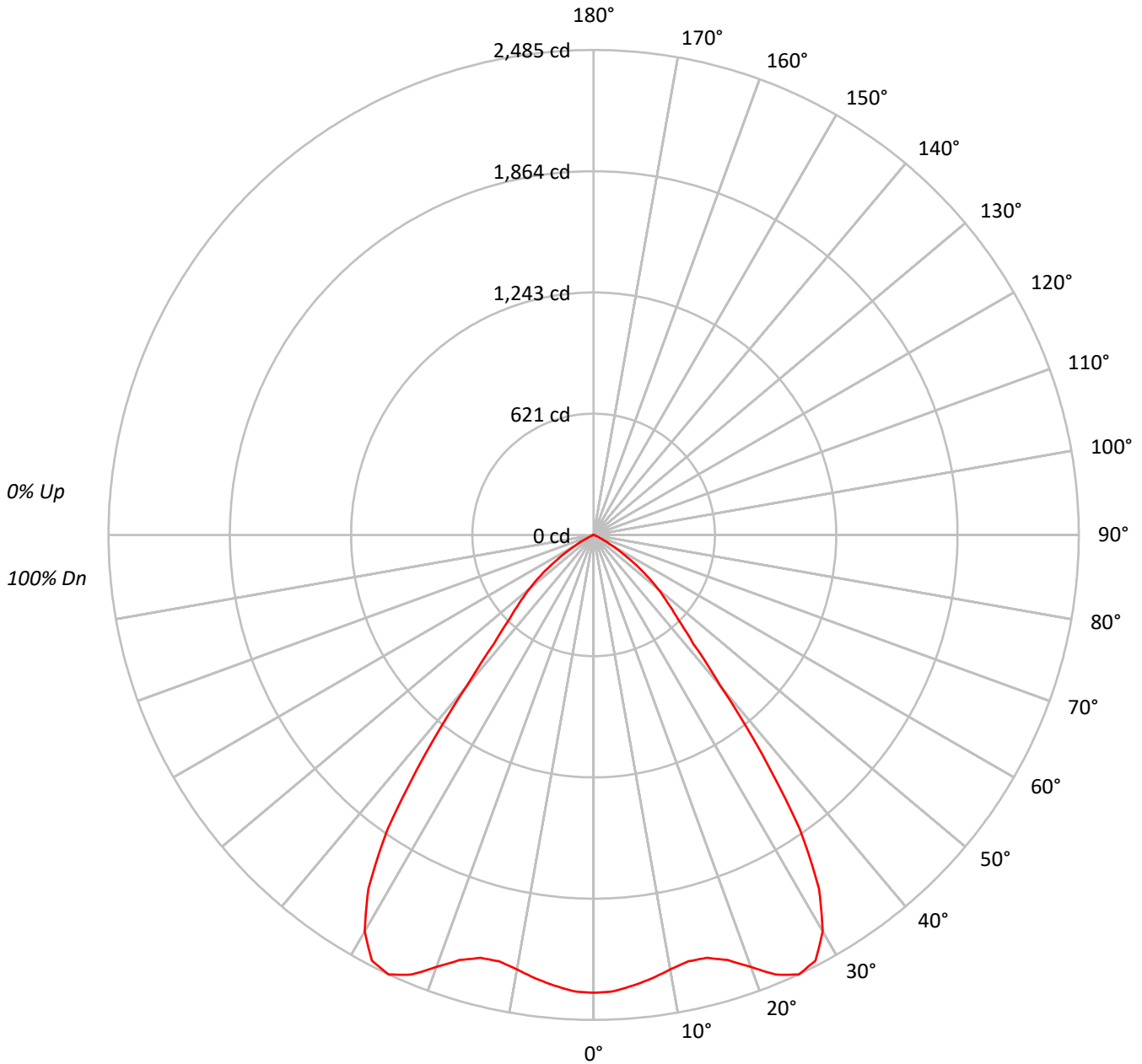
Lumens per Lamp: N/A
Luminaire Lumens: 3861.2 lumens
Efficiency: N/A
Efficacy: 114.6 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.13
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 33.7
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	
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	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100	
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92			92	
2	106	100	95	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83			83	
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75			75	
4	93	84	78	73	91	83	77	72	81	76	71	79	74	71	77	73	70	68			68	
5	87	77	71	66	85	76	70	65	74	69	65	73	68	64	71	67	63	62			62	
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	56			56	
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	61	57	53	51			51	
8	72	61	54	49	71	61	54	49	59	53	49	58	53	49	57	52	49	47			47	
9	68	57	50	45	67	56	50	45	55	49	45	54	49	45	53	48	45	43			43	
10	64	53	46	42	63	53	46	42	52	46	42	51	45	42	50	45	41	40			40	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	72342
5°	71742
10°	70796
15°	71603
20°	77323
25°	84560
30°	83533
35°	69292
40°	40781
45°	26645
50°	20657
55°	13720
60°	6679
65°	2072
70°	703
75°	620
80°	462
85°	920



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.5	5.7
10°-20°	644.4	16.7
20°-30°	1126.6	29.2
30°-40°	1095.9	28.4
40°-50°	498.4	12.9
50°-60°	231.1	6.0
60°-70°	38.7	1.0
70°-80°	4.8	0.1
80°-90°	1.8	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°	1990.5	51.6
0°-40°	3086.4	79.9
0°-60°	3815.8	98.8
0°-90°	3861.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3861.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2346	
5°	2318	219
15°	2243	644
25°	2485	1127
35°	1841	1096
45°	611	498
55°	255	231
65°	28	39
75°	5	5
85°	3	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2346.0
2.5°	2340.9
5°	2317.7
7.5°	2291.9
10°	2261.0
12.5°	2237.7
15°	2242.9
17.5°	2284.1
20°	2356.3
22.5°	2438.8
25°	2485.3
27.5°	2459.5
30°	2346.0
32.5°	2147.5
35°	1840.7
37.5°	1418.0
40°	1013.1
42.5°	755.3
45°	611.0
47.5°	515.6
50°	430.6
52.5°	342.9
55°	255.2
57.5°	175.3
60°	108.3
62.5°	59.3
65°	28.4
67.5°	12.9
70°	7.8
72.5°	5.2
75°	5.2
77.5°	2.6
80°	2.6
82.5°	2.6
85°	2.6
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)