

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: P585010

Luminaire Tested: **HCC8S55D010MW-HM82555930-81WDC**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P585010
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC8S55D010MW-HM82555930-81WDC
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WIDE DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

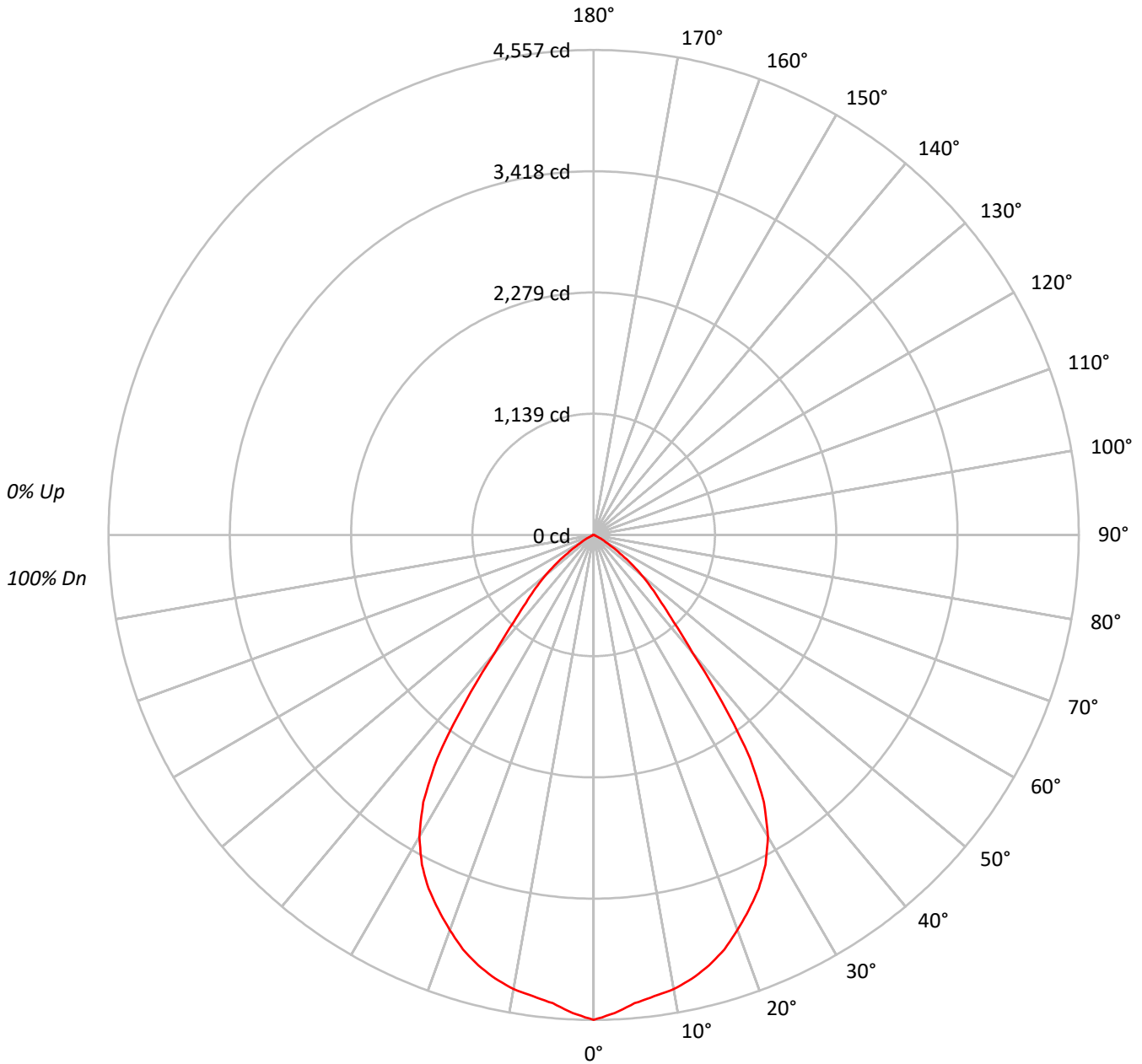
Lumens per Lamp: N/A
Luminaire Lumens: 5856.9 lumens
Efficiency: N/A
Efficacy: 112.6 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.1 / 1.05
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 52
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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92		
2	106	101	96	93	104	99	95	92	96	92	90	93	90	88	90	88	86	84		
3	100	93	87	83	98	91	86	82	89	84	81	86	83	79	84	81	78	77		
4	94	86	79	75	92	84	79	74	82	77	73	80	76	72	78	75	71	70		
5	88	79	72	68	87	78	72	67	76	71	67	74	70	66	73	69	65	64		
6	83	73	66	62	82	72	66	61	71	65	61	69	64	61	68	64	60	59		
7	78	68	61	57	77	67	61	56	66	60	56	65	60	56	63	59	55	54		
8	74	63	57	52	73	63	56	52	62	56	52	60	55	51	59	55	51	50		
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	47	46		
10	66	55	49	45	65	55	49	45	54	48	44	53	48	44	52	48	44	43		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	140521
5°	136740
10°	135700
15°	133679
20°	129630
25°	124797
30°	116573
35°	96471
40°	58247
45°	39226
50°	28270
55°	16118
60°	7099
65°	2539
70°	938
75°	417
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	419.7	7.2
10°-20°	1176.8	20.1
20°-30°	1678.7	28.7
30°-40°	1528.7	26.1
40°-50°	721.1	12.3
50°-60°	283.6	4.8
60°-70°	45.2	0.8
70°-80°	3.2	0.1
80°-90°	0.0	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°	3275.2	55.9
0°-40°	4803.9	82.0
0°-60°	5808.6	99.2
0°-90°	5856.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5856.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4557	
5°	4418	420
15°	4187	1177
25°	3668	1679
35°	2563	1529
45°	900	721
55°	300	284
65°	35	45
75°	4	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4557.0
2.5°	4497.7
5°	4417.5
7.5°	4372.1
10°	4333.8
12.5°	4271.1
15°	4187.4
17.5°	4082.8
20°	3950.3
22.5°	3810.9
25°	3667.9
27.5°	3493.6
30°	3273.9
32.5°	2977.6
35°	2562.7
37.5°	1980.3
40°	1447.0
42.5°	1112.2
45°	899.5
47.5°	739.2
50°	589.3
52.5°	442.8
55°	299.8
57.5°	188.2
60°	115.1
62.5°	69.7
65°	34.8
67.5°	17.5
70°	10.4
72.5°	3.5
75°	3.5
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
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)