

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: P584920

Luminaire Tested: **HCC8S55D010MW-HM82555827-81NDW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P584920
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC8S55D010MW-HM82555827-81NDW
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" NARROW DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

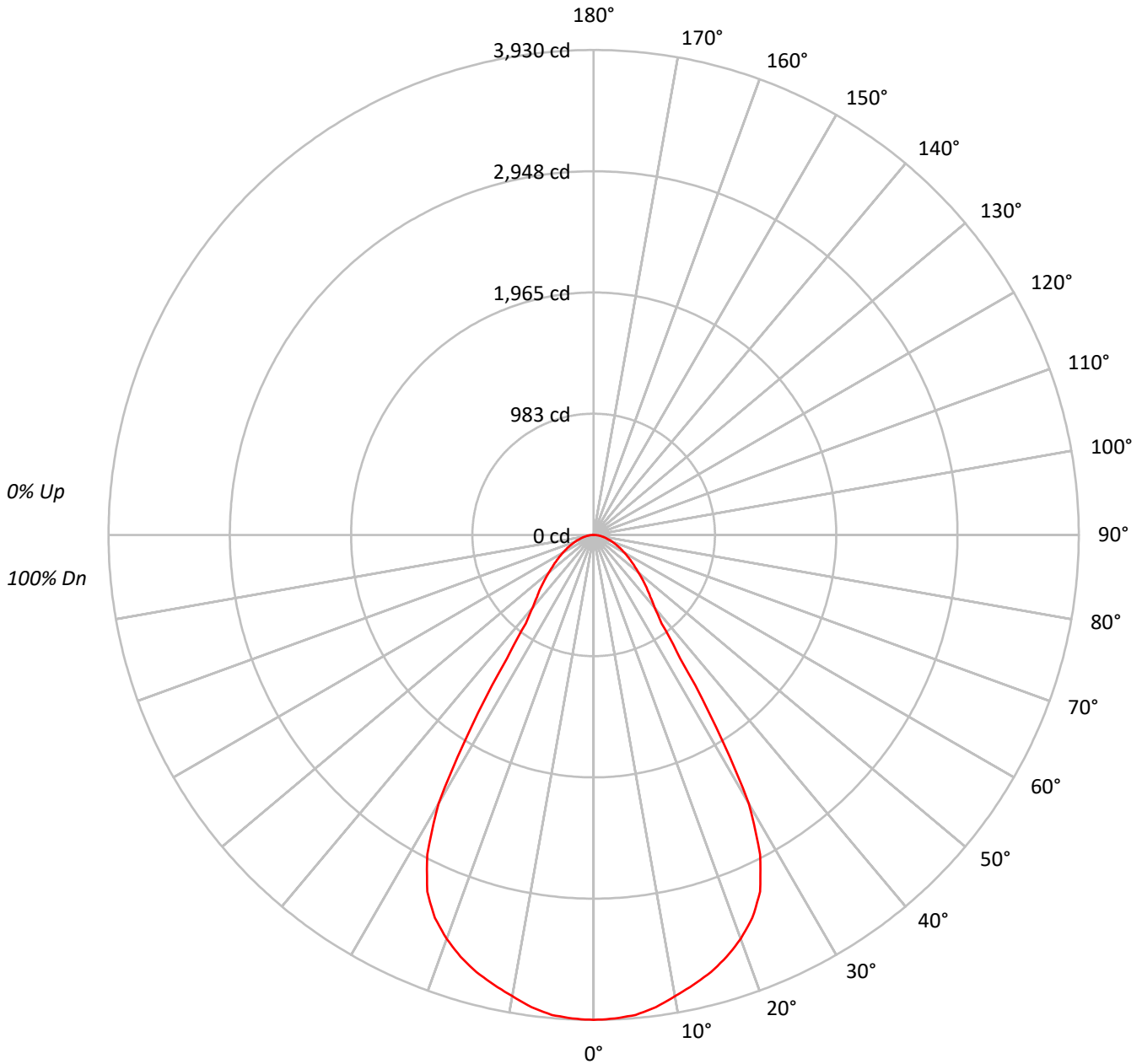
Lumens per Lamp: N/A
Luminaire Lumens: 4862.0 lumens
Efficiency: N/A
Efficacy: 93.5 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 0.92
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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



TEST NUMBER: P584920
CATALOG NUMBER: HCC8S55D010MW-HM82555827-81NDW

Luminous Intensity Polar Plot





TEST NUMBER: P584920
 CATALOG NUMBER: HCC8S55D010MW-HM82555827-81NDW

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	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90		
2	105	99	94	90	102	97	92	88	94	90	87	91	87	85	88	85	83	81		
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73		
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	72	68	67		
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	63	61		
6	82	71	64	59	80	70	64	59	69	63	58	67	62	58	66	61	58	56		
7	77	66	59	54	76	66	59	54	64	58	54	63	58	54	62	57	53	52		
8	73	62	55	50	71	61	55	50	60	54	50	59	54	50	58	53	49	48		
9	69	58	51	47	68	57	51	47	56	51	46	55	50	46	55	50	46	45		
10	65	55	48	44	64	54	48	44	53	47	43	52	47	43	52	47	43	42		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	121187
5°	120860
10°	118848
15°	117114
20°	114302
25°	108503
30°	89497
35°	46076
40°	30851
45°	26453
50°	22825
55°	19919
60°	17694
65°	15899
70°	14416
75°	12987
80°	11614
85°	11569



TEST NUMBER: P584920
 CATALOG NUMBER: HCC8S55D010MW-HM82555827-81NDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	369.2	7.6
10°-20°	1032.1	21.2
20°-30°	1430.1	29.4
30°-40°	858.9	17.7
40°-50°	470.2	9.7
50°-60°	334.0	6.9
60°-70°	216.9	4.5
70°-80°	115.9	2.4
80°-90°	34.6	0.7
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°	2831.4	58.2
0°-40°	3690.3	75.9
0°-60°	4494.6	92.4
0°-90°	4862.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4862.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3930	
5°	3904	369
15°	3668	1032
25°	3189	1430
35°	1224	859
45°	607	470
55°	370	334
65°	218	217
75°	109	116
85°	33	35
90°	0	



TEST NUMBER: P584920

CATALOG NUMBER: HCC8S55D010MW-HM82555827-81NDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	3930.0
2.5°	3922.7
5°	3904.5
7.5°	3861.0
10°	3795.6
12.5°	3733.9
15°	3668.5
17.5°	3584.9
20°	3483.2
22.5°	3359.8
25°	3189.0
27.5°	2920.3
30°	2513.5
32.5°	1841.4
35°	1224.0
37.5°	904.4
40°	766.4
42.5°	679.2
45°	606.6
47.5°	537.6
50°	475.8
52.5°	417.7
55°	370.5
57.5°	326.9
60°	286.9
62.5°	250.6
65°	217.9
67.5°	185.3
70°	159.9
72.5°	130.8
75°	109.0
77.5°	87.2
80°	65.4
82.5°	47.2
85°	32.7
87.5°	14.5
90°	0.0

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

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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

Scaled Data Report



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

Scaled Data Report



— 0°-180°

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

Scaled Data Report



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

Scaled Data Report



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

Scaled Data Report



(END OF REPORT)