

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: P584101

Luminaire Tested: **HCC8S25D010MW-HM82555827-81MDW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P584101
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC8S25D010MW-HM82555827-81MDW
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" MEDIUM DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

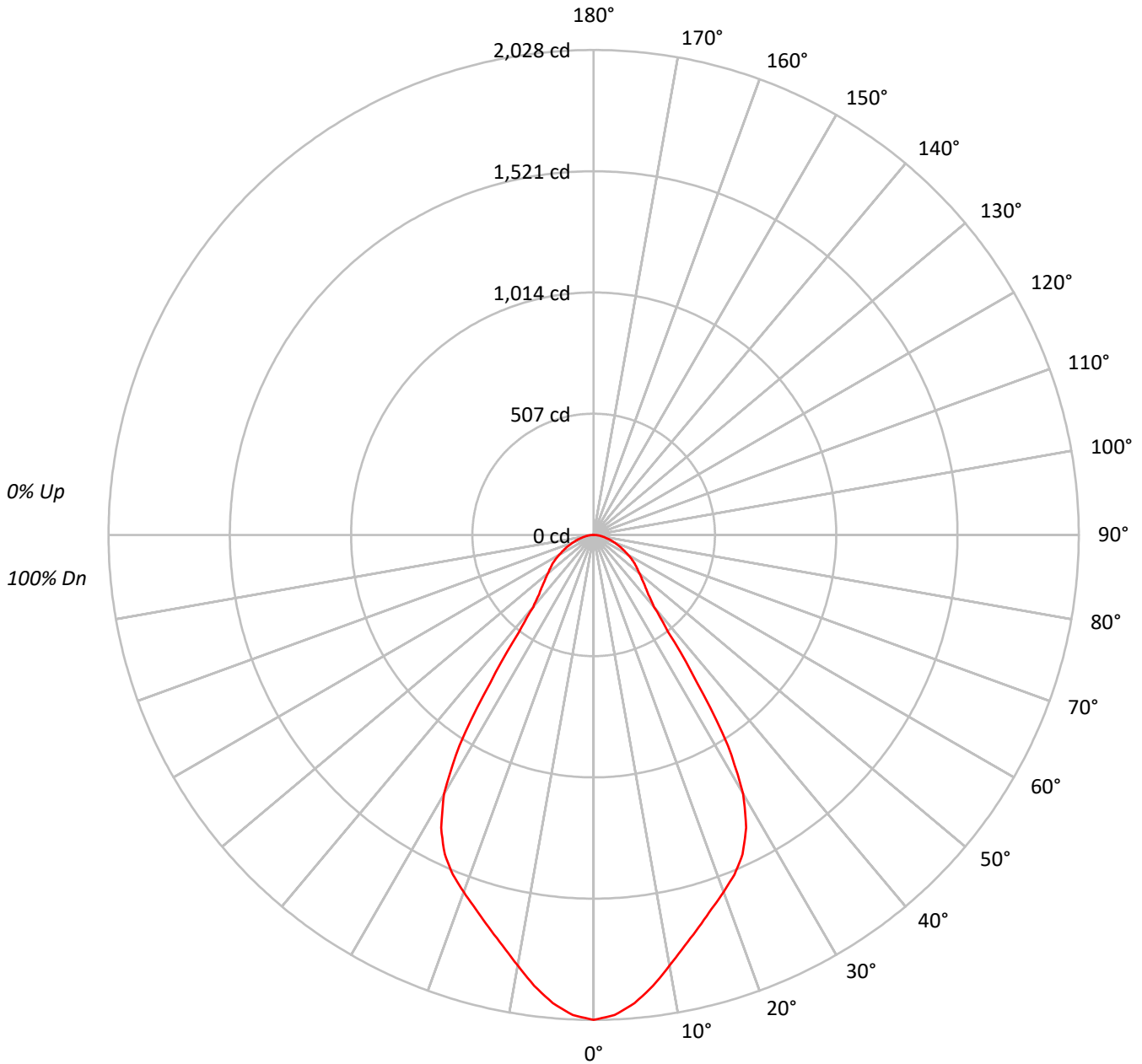
Lumens per Lamp: N/A
Luminaire Lumens: 2445.5 lumens
Efficiency: N/A
Efficacy: 91.3 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 0.95
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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



TEST NUMBER: P584101
CATALOG NUMBER: HCC8S25D010MW-HM82555827-81MDW

Luminous Intensity Polar Plot



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



TEST NUMBER: P584101

CATALOG NUMBER: HCC8S25D010MW-HM82555827-81MDW

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	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	92	90			90	
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80			80	
3	98	89	83	78	95	88	82	78	85	80	76	83	78	75	80	77	74	72			72	
4	91	82	75	70	89	81	74	69	78	73	69	76	72	68	74	70	67	65			65	
5	86	76	68	63	84	75	68	63	73	67	62	71	66	62	69	65	61	59			59	
6	81	70	63	58	79	69	62	57	67	61	57	66	61	56	64	60	56	54			54	
7	76	65	58	53	74	64	57	53	63	57	52	62	56	52	60	55	52	50			50	
8	72	61	54	49	70	60	53	49	59	53	48	58	52	48	57	52	48	46			46	
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	46	42	50	45	42	40			40	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	62533
5°	60831
10°	57241
15°	54198
20°	52130
25°	50121
30°	44512
35°	28350
40°	15820
45°	13253
50°	11960
55°	11274
60°	10287
65°	9274
70°	8186
75°	7280
80°	6464
85°	5838



TEST NUMBER: P584101
 CATALOG NUMBER: HCC8S25D010MW-HM82555827-81MDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.2	7.5
10°-20°	478.8	19.6
20°-30°	667.9	27.3
30°-40°	480.6	19.7
40°-50°	238.2	9.7
50°-60°	186.3	7.6
60°-70°	126.1	5.2
70°-80°	65.5	2.7
80°-90°	18.9	0.8
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°	1329.9	54.4
0°-40°	1810.5	74.0
0°-60°	2235.0	91.4
0°-90°	2445.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2445.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2028	
5°	1965	183
15°	1698	479
25°	1473	668
35°	753	481
45°	304	238
55°	210	186
65°	127	126
75°	61	66
85°	16	19
90°	0	



TEST NUMBER: P584101
CATALOG NUMBER: HCC8S25D010MW-HM82555827-81MDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	2027.9
2.5°	2009.8
5°	1965.2
7.5°	1902.4
10°	1828.1
12.5°	1758.8
15°	1697.7
17.5°	1639.9
20°	1588.6
22.5°	1537.5
25°	1473.1
27.5°	1380.5
30°	1250.1
32.5°	1045.3
35°	753.1
37.5°	513.6
40°	393.0
42.5°	338.5
45°	303.9
47.5°	274.1
50°	249.3
52.5°	227.9
55°	209.7
57.5°	188.2
60°	166.8
62.5°	145.3
65°	127.1
67.5°	109.0
70°	90.8
72.5°	76.0
75°	61.1
77.5°	47.9
80°	36.4
82.5°	26.4
85°	16.5
87.5°	8.2
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)