

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: P584111

Luminaire Tested: **HCC8S25D010SL-HM82555827-81WDW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P584111
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC8S25D010SL-HM82555827-81WDW
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WIDE DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

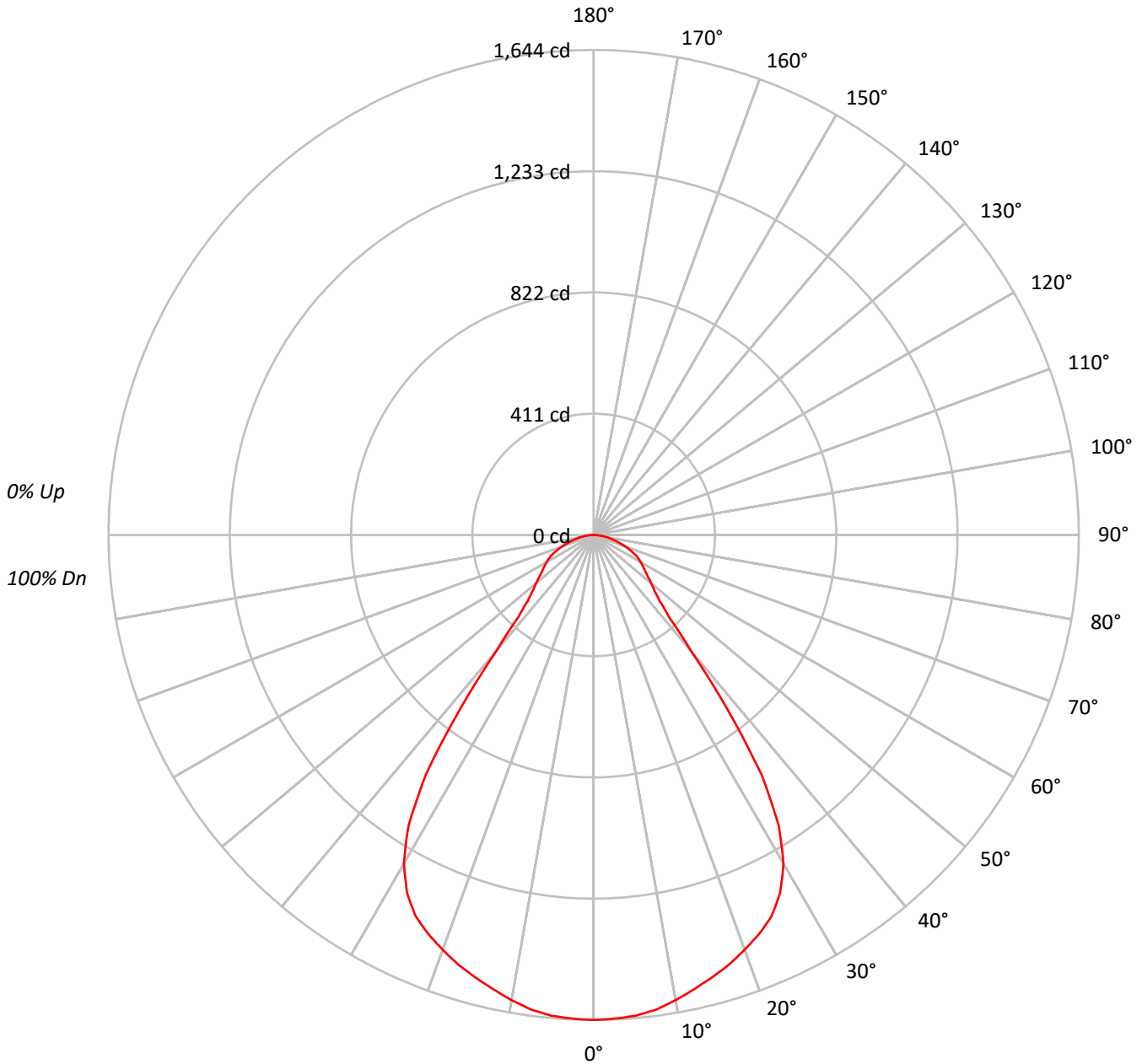
Lumens per Lamp: N/A
Luminaire Lumens: 2536.4 lumens
Efficiency: N/A
Efficacy: 94.6 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.06
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 26.8
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: P584111
CATALOG NUMBER: HCC8S25D010SL-HM82555827-81WDW

Luminous Intensity Polar Plot





TEST NUMBER: P584111

CATALOG NUMBER: HCC8S25D010SL-HM82555827-81WDW

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	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89			89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79			79
3	97	88	82	76	94	87	81	76	84	79	75	81	77	73	79	75	72	70			70
4	90	80	73	68	88	79	73	67	77	71	67	75	70	66	73	68	65	63			63
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	63	59	57			57
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52			52
7	74	63	56	50	73	62	55	50	61	54	50	59	54	50	58	53	49	48			48
8	70	58	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44			44
9	66	54	47	43	65	54	47	42	53	47	42	52	46	42	51	46	42	40			40
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37			37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	50707
5°	50644
10°	50146
15°	49543
20°	49088
25°	48535
30°	45794
35°	37290
40°	20602
45°	13750
50°	12195
55°	11446
60°	11305
65°	11200
70°	10116
75°	9055
80°	7920
85°	7005



TEST NUMBER: P584111

CATALOG NUMBER: HCC8S25D010SL-HM82555827-81WDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.1	6.1
10°-20°	438.2	17.3
20°-30°	651.1	25.7
30°-40°	586.4	23.1
40°-50°	260.0	10.2
50°-60°	192.5	7.6
60°-70°	149.7	5.9
70°-80°	81.2	3.2
80°-90°	22.2	0.9
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°	1244.4	49.1
0°-40°	1830.8	72.2
0°-60°	2283.3	90.0
0°-90°	2536.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2536.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1644	
5°	1636	155
15°	1552	438
25°	1426	651
35°	991	586
45°	315	260
55°	213	193
65°	154	150
75°	76	81
85°	20	22
90°	0	



TEST NUMBER: P584111
CATALOG NUMBER: HCC8S25D010SL-HM82555827-81WDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	1644.4
2.5°	1641.2
5°	1636.1
7.5°	1623.0
10°	1601.5
12.5°	1576.8
15°	1551.9
17.5°	1527.2
20°	1495.9
22.5°	1464.5
25°	1426.5
27.5°	1368.7
30°	1286.1
32.5°	1167.3
35°	990.6
37.5°	739.7
40°	511.8
42.5°	378.1
45°	315.3
47.5°	279.1
50°	254.2
52.5°	231.1
55°	212.9
57.5°	198.2
60°	183.3
62.5°	170.0
65°	153.5
67.5°	133.8
70°	112.2
72.5°	94.2
75°	76.0
77.5°	59.4
80°	44.6
82.5°	31.4
85°	19.8
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)