

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: P584342

Luminaire Tested: **HCC8S30D010MB-HM82555935-81NDW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P584342
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: HCC8S30D010MB-HM82555935-81NDW
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" NARROW DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

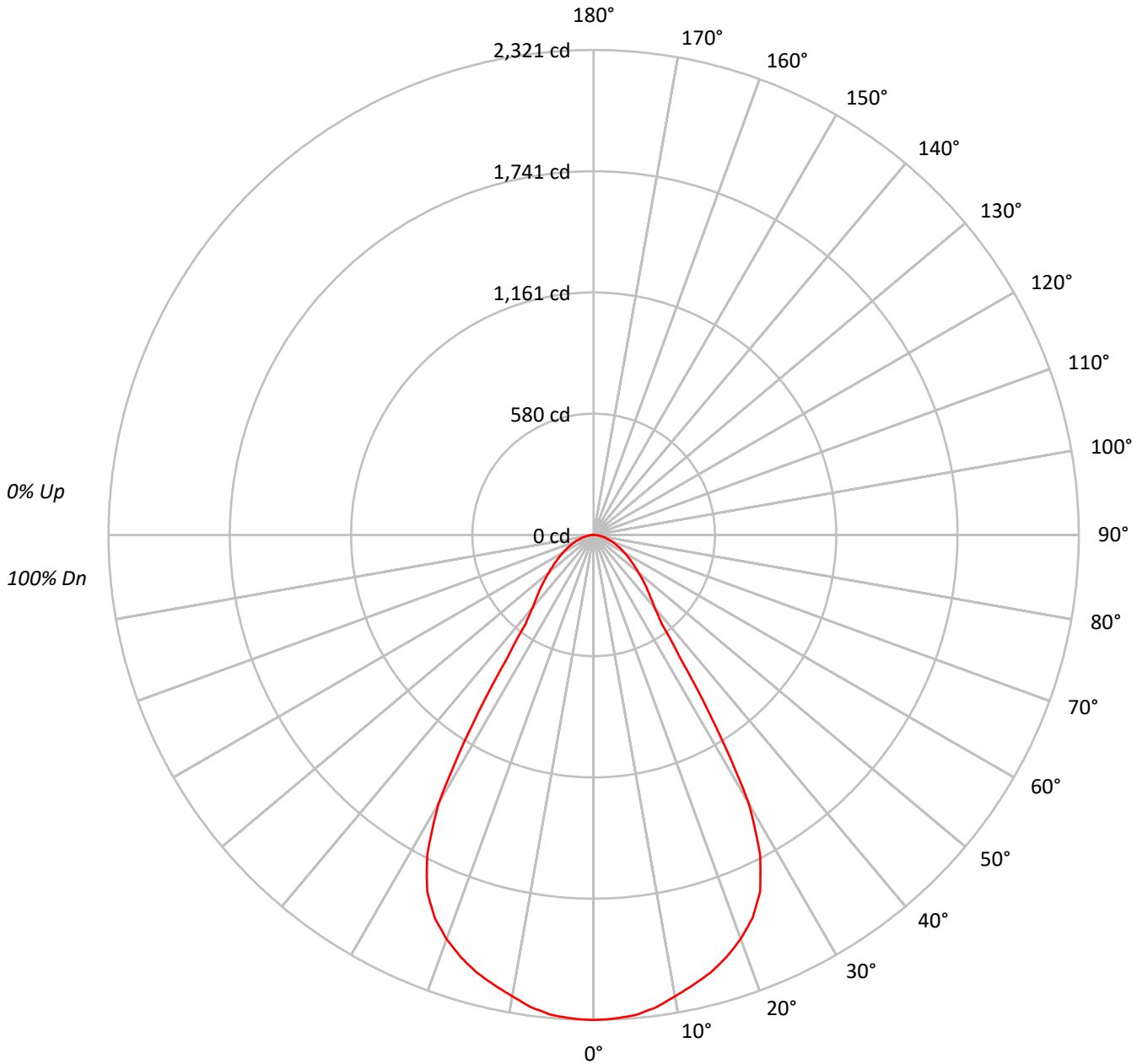
Lumens per Lamp: N/A
Luminaire Lumens: 2871.8 lumens
Efficiency: N/A
Efficacy: 102.6 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 0.92
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 28
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: P584342
CATALOG NUMBER: HCC8S30D010MB-HM82555935-81NDW

Luminous Intensity Polar Plot





TEST NUMBER: P584342

CATALOG NUMBER: HCC8S30D010MB-HM82555935-81NDW

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	71583
5°	71389
10°	70202
15°	69173
20°	67514
25°	64091
30°	52862
35°	27217
40°	18223
45°	15621
50°	13485
55°	11763
60°	10447
65°	9398
70°	8511
75°	7661
80°	6855
85°	6828



TEST NUMBER: P584342
 CATALOG NUMBER: HCC8S30D010MB-HM82555935-81NDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.1	7.6
10°-20°	609.6	21.2
20°-30°	844.7	29.4
30°-40°	507.4	17.7
40°-50°	277.8	9.7
50°-60°	197.3	6.9
60°-70°	128.1	4.5
70°-80°	68.4	2.4
80°-90°	20.4	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°	1672.4	58.2
0°-40°	2179.8	75.9
0°-60°	2654.8	92.4
0°-90°	2871.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2871.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2321	
5°	2306	218
15°	2167	610
25°	1884	845
35°	723	507
45°	358	278
55°	219	197
65°	129	128
75°	64	68
85°	19	20
90°	0	



TEST NUMBER: P584342
CATALOG NUMBER: HCC8S30D010MB-HM82555935-81NDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	2321.4
2.5°	2317.0
5°	2306.3
7.5°	2280.6
10°	2242.0
12.5°	2205.5
15°	2166.8
17.5°	2117.5
20°	2057.4
22.5°	1984.6
25°	1883.7
27.5°	1724.9
30°	1484.6
32.5°	1087.7
35°	723.0
37.5°	534.2
40°	452.7
42.5°	401.2
45°	358.2
47.5°	317.6
50°	281.1
52.5°	246.7
55°	218.8
57.5°	193.1
60°	169.4
62.5°	148.0
65°	128.8
67.5°	109.4
70°	94.4
72.5°	77.3
75°	64.3
77.5°	51.5
80°	38.6
82.5°	27.9
85°	19.3
87.5°	8.6
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)