

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: P584343

Luminaire Tested: **HCC8S30D010BZ-HM82555935-81PSMDW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P584343
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-12)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC8S30D010BZ-HM82555935-81PSMDW
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" PLASTIC TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

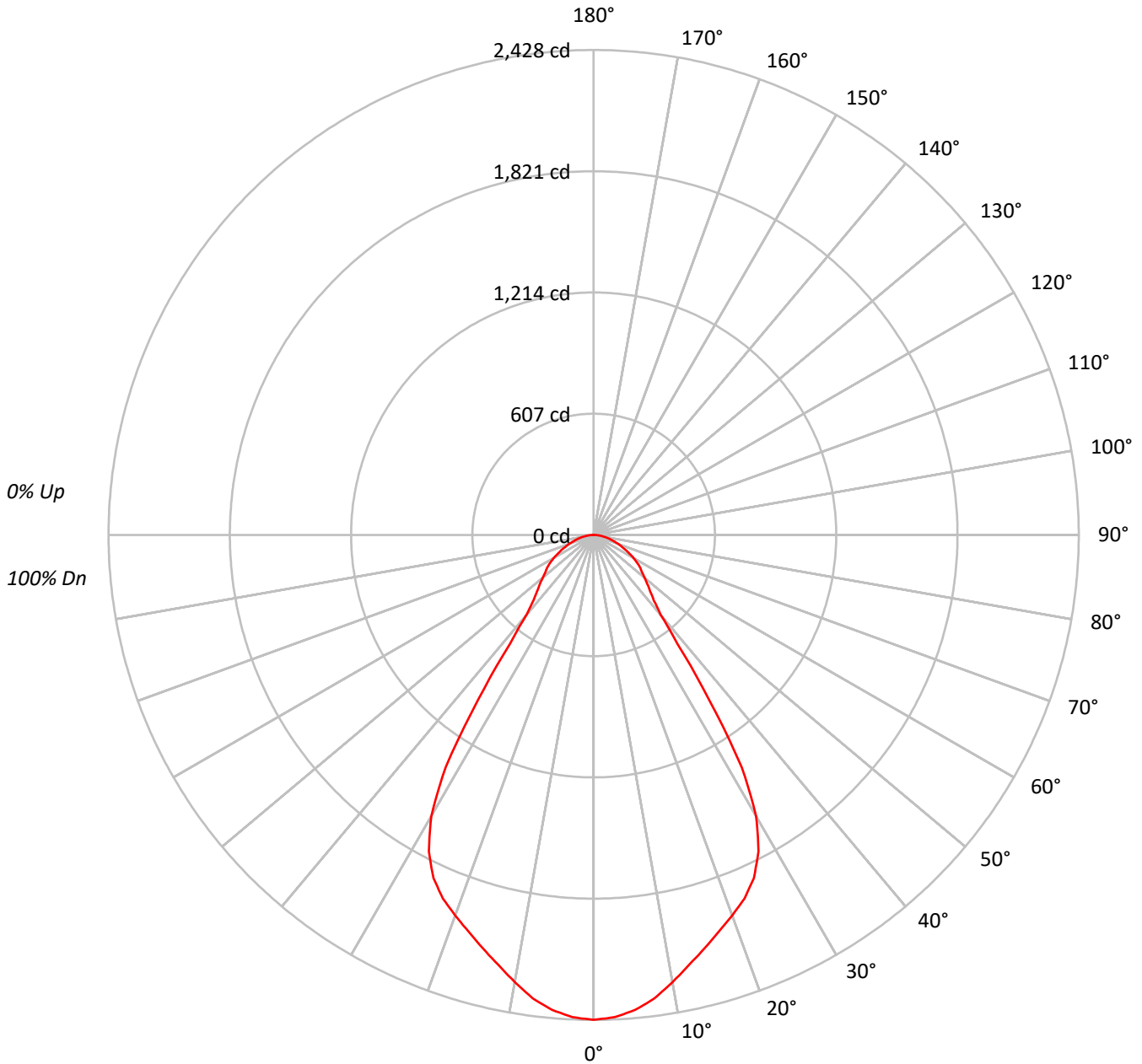
Lumens per Lamp: N/A
Luminaire Lumens: 3189.1 lumens
Efficiency: N/A
Efficacy: 113.9 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 0.97
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 28
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: P584343
CATALOG NUMBER: HCC8S30D010BZ-HM82555935-81PSMDW

Luminous Intensity Polar Plot





TEST NUMBER: P584343

CATALOG NUMBER: HCC8S30D010BZ-HM82555935-81PSMDW

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	105	102	109	106	103	100	101	99	97	98	96	94	94	93	91	89			89
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	79			79
3	97	89	83	77	95	87	82	77	85	80	76	82	78	74	80	76	73	71			71
4	91	81	74	69	89	80	74	69	78	72	68	76	71	67	74	70	66	64			64
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58			58
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	53			53
7	75	64	57	52	74	63	57	52	62	56	51	61	55	51	60	55	51	49			49
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45			45
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	44	42			42
10	64	52	46	41	62	52	45	41	51	45	41	50	45	41	49	44	41	39			39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	74861
5°	73884
10°	71178
15°	68397
20°	66507
25°	64506
30°	57882
35°	37942
40°	20976
45°	17487
50°	15946
55°	15220
60°	14154
65°	12835
70°	11594
75°	10485
80°	9518
85°	9093



TEST NUMBER: P584343
 CATALOG NUMBER: HCC8S30D010BZ-HM82555935-81PSMDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.3	7.0
10°-20°	604.5	19.0
20°-30°	860.2	27.0
30°-40°	636.7	20.0
40°-50°	315.3	9.9
50°-60°	251.7	7.9
60°-70°	174.7	5.5
70°-80°	94.1	3.0
80°-90°	27.7	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°	1689.0	53.0
0°-40°	2325.6	72.9
0°-60°	2892.6	90.7
0°-90°	3189.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3189.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2428	
5°	2387	224
15°	2142	604
25°	1896	860
35°	1008	637
45°	401	315
55°	283	252
65°	176	175
75°	88	94
85°	26	28
90°	0	



TEST NUMBER: P584343
CATALOG NUMBER: HCC8S30D010BZ-HM82555935-81PSMDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	2427.7
2.5°	2417.0
5°	2386.9
7.5°	2339.7
10°	2273.2
12.5°	2204.6
15°	2142.5
17.5°	2082.4
20°	2026.7
22.5°	1970.9
25°	1895.9
27.5°	1786.5
30°	1625.6
32.5°	1379.0
35°	1007.9
37.5°	688.4
40°	521.1
42.5°	446.1
45°	401.0
47.5°	364.5
50°	332.4
52.5°	304.5
55°	283.1
57.5°	257.3
60°	229.5
62.5°	201.5
65°	175.9
67.5°	150.2
70°	128.6
72.5°	107.2
75°	88.0
77.5°	70.7
80°	53.6
82.5°	38.6
85°	25.7
87.5°	10.7
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)