

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: P585046

Luminaire Tested: **HCC8W55D010BZ-HM82555940-81WDW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P585046
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: HCC8W55D010BZ-HM82555940-81WDW
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WIDE DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

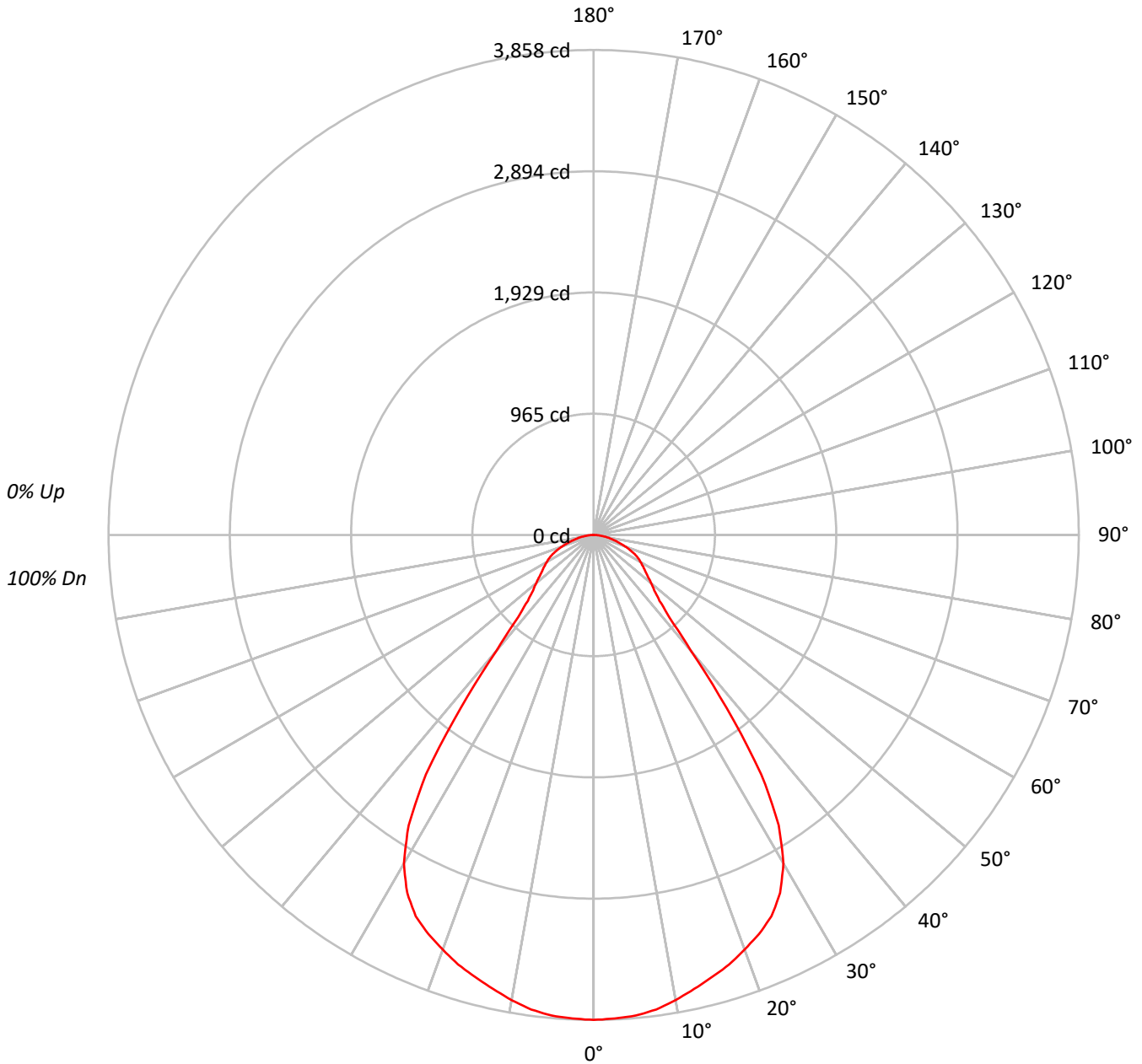
Lumens per Lamp: N/A
Luminaire Lumens: 5950.9 lumens
Efficiency: N/A
Efficacy: 114.4 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.06
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 52
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: P585046
CATALOG NUMBER: HCC8W55D010BZ-HM82555940-81WDW

Luminous Intensity Polar Plot





TEST NUMBER: P585046

CATALOG NUMBER: HCC8W55D010BZ-HM82555940-81WDW

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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	111	108	104	101	109	105	102	100	101	99	96		97	95	94		94	92	91	89
2	104	97	92	87	101	95	90	86	92	88	84		89	85	82		86	83	81	79
3	97	88	82	76	94	87	81	76	84	79	75		81	77	73		79	75	72	70
4	90	80	73	68	88	79	73	67	77	71	67		75	70	66		73	68	65	63
5	84	74	66	61	82	73	66	61	71	65	60		69	64	59		67	63	59	57
6	79	68	61	55	77	67	60	55	65	59	55		64	58	54		62	58	54	52
7	74	63	56	50	73	62	55	50	61	54	50		59	54	50		58	53	49	48
8	70	58	51	46	69	58	51	46	57	50	46		55	50	46		54	49	45	44
9	66	54	47	43	65	54	47	42	53	47	42		52	46	42		51	46	42	40
10	62	51	44	39	61	50	44	39	49	43	39		49	43	39		48	43	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	118973
5°	118830
10°	117652
15°	116245
20°	115169
25°	113875
30°	107450
35°	87493
40°	48337
45°	32266
50°	28616
55°	26865
60°	26519
65°	26289
70°	23757
75°	21219
80°	18557
85°	16452



TEST NUMBER: P585046
 CATALOG NUMBER: HCC8W55D010BZ-HM82555940-81WDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	363.8	6.1
10°-20°	1028.1	17.3
20°-30°	1527.7	25.7
30°-40°	1375.8	23.1
40°-50°	609.9	10.2
50°-60°	451.7	7.6
60°-70°	351.2	5.9
70°-80°	190.4	3.2
80°-90°	52.1	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°	2919.7	49.1
0°-40°	4295.5	72.2
0°-60°	5357.1	90.0
0°-90°	5950.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5950.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3858	
5°	3839	364
15°	3641	1028
25°	3347	1528
35°	2324	1376
45°	740	610
55°	500	452
65°	360	351
75°	178	190
85°	46	52
90°	0	



TEST NUMBER: P585046

CATALOG NUMBER: HCC8W55D010BZ-HM82555940-81WDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	3858.2
2.5°	3850.5
5°	3838.9
7.5°	3807.8
10°	3757.4
12.5°	3699.4
15°	3641.3
17.5°	3583.2
20°	3509.6
22.5°	3436.0
25°	3346.9
27.5°	3211.3
30°	3017.7
32.5°	2738.7
35°	2324.2
37.5°	1735.4
40°	1200.8
42.5°	887.1
45°	739.9
47.5°	654.7
50°	596.5
52.5°	542.3
55°	499.7
57.5°	464.8
60°	430.0
62.5°	398.9
65°	360.3
67.5°	313.7
70°	263.5
72.5°	220.8
75°	178.1
77.5°	139.5
80°	104.5
82.5°	73.6
85°	46.5
87.5°	19.3
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)