

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: P585047

Luminaire Tested: **HCC8S55D010BZ-HM82555940-81WDWB**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P585047
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC8S55D010BZ-HM82555940-81WDWB
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

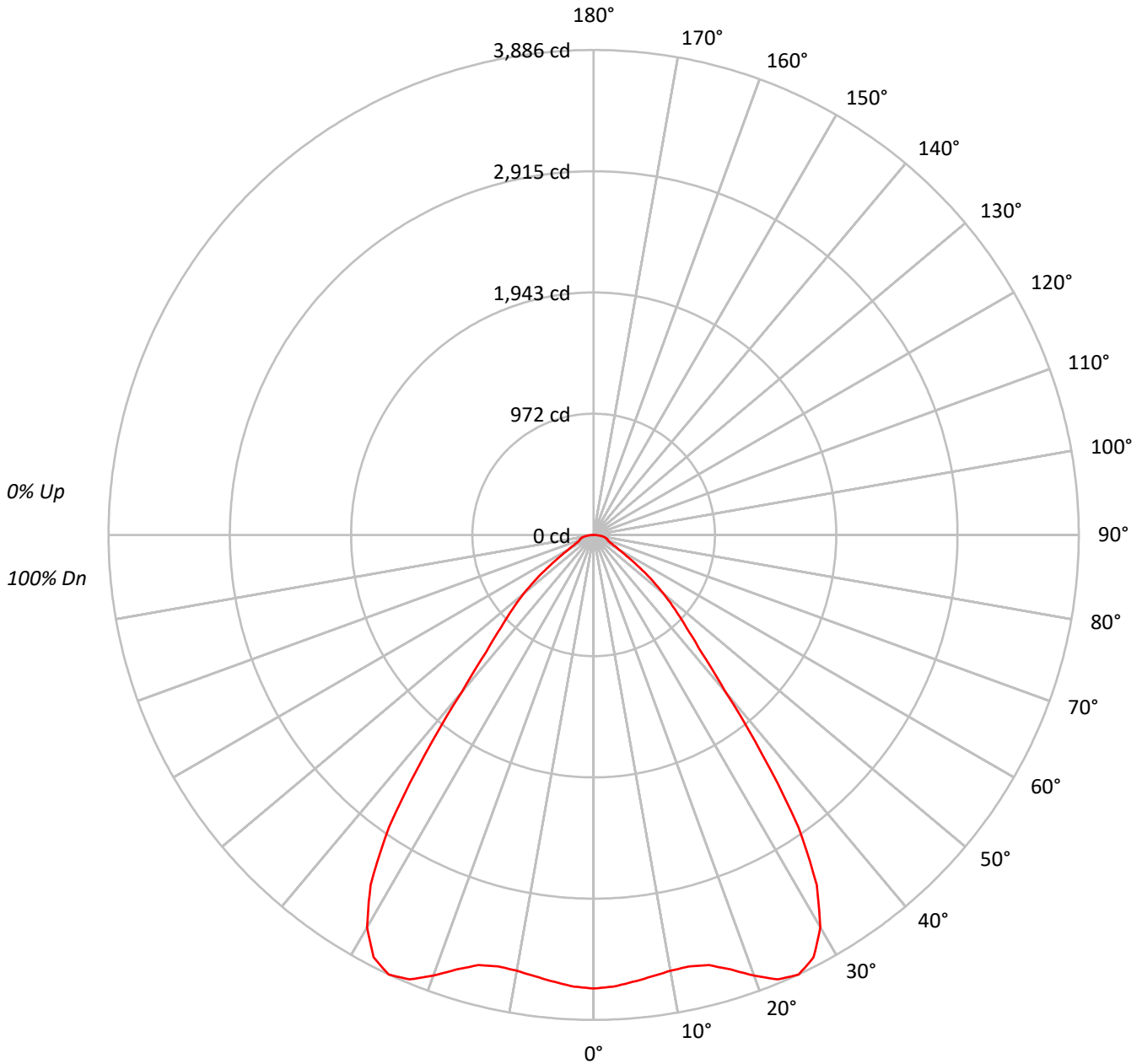
Lumens per Lamp: N/A
Luminaire Lumens: 6381.0 lumens
Efficiency: N/A
Efficacy: 122.7 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.14
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 52
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: P585047
CATALOG NUMBER: HCC8S55D010BZ-HM82555940-81WDWB

Luminous Intensity Polar Plot





TEST NUMBER: P585047
 CATALOG NUMBER: HCC8S55D010BZ-HM82555940-81WDWB

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									20								
RC	80									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	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	112	108	105	103	109	106	103	101	102	100	98	98	97	95	95	93	92	90																											
2	105	99	94	89	102	97	92	88	93	90	86	90	87	84	88	85	83	81																											
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	73																											
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	65																											
5	86	75	68	63	84	74	68	63	73	67	62	71	66	62	69	65	61	59																											
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54																											
7	75	64	57	52	74	63	57	52	62	56	51	61	55	51	59	55	51	49																											
8	71	59	52	47	69	59	52	47	58	51	47	56	51	47	55	50	47	45																											
9	67	55	48	43	65	55	48	43	54	47	43	53	47	43	52	47	43	41																											
10	63	51	45	40	62	51	44	40	50	44	40	49	44	40	48	43	40	38																											

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	112068
5°	111295
10°	111004
15°	113918
20°	123330
25°	132218
30°	129267
35°	107636
40°	66129
45°	45790
50°	34943
55°	22908
60°	14333
65°	10740
70°	10828
75°	12474
80°	13762
85°	12348



TEST NUMBER: P585047
 CATALOG NUMBER: HCC8S55D010BZ-HM82555940-81WDWB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	341.6	5.4
10°-20°	1024.4	16.1
20°-30°	1763.4	27.6
30°-40°	1708.5	26.8
40°-50°	841.5	13.2
50°-60°	397.1	6.2
60°-70°	156.5	2.5
70°-80°	108.0	1.7
80°-90°	40.1	0.6
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°	3129.4	49.0
0°-40°	4837.9	75.8
0°-60°	6076.5	95.2
0°-90°	6381.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6381.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3634	
5°	3596	342
15°	3568	1024
25°	3886	1763
35°	2859	1708
45°	1050	842
55°	426	397
65°	147	156
75°	105	108
85°	35	40
90°	0	



TEST NUMBER: P585047
CATALOG NUMBER: HCC8S55D010BZ-HM82555940-81WDWB

CANDELA DISTRIBUTION (FULL):

	0°
0°	3634.3
2.5°	3622.7
5°	3595.5
7.5°	3568.4
10°	3545.1
12.5°	3541.2
15°	3568.4
17.5°	3649.7
20°	3758.3
22.5°	3855.1
25°	3886.0
27.5°	3816.3
30°	3630.4
32.5°	3324.3
35°	2859.3
37.5°	2220.0
40°	1642.8
42.5°	1274.7
45°	1050.0
47.5°	883.3
50°	728.4
52.5°	573.5
55°	426.1
57.5°	310.0
60°	232.4
62.5°	182.1
65°	147.2
67.5°	127.9
70°	120.1
72.5°	112.4
75°	104.7
77.5°	92.9
80°	77.5
82.5°	58.1
85°	34.9
87.5°	15.5
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)