

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: P585012

Luminaire Tested: **HCC8S55D010BZ-HM82555930-81WDW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P585012
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: HCC8S55D010BZ-HM82555930-81WDW
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WIDE DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

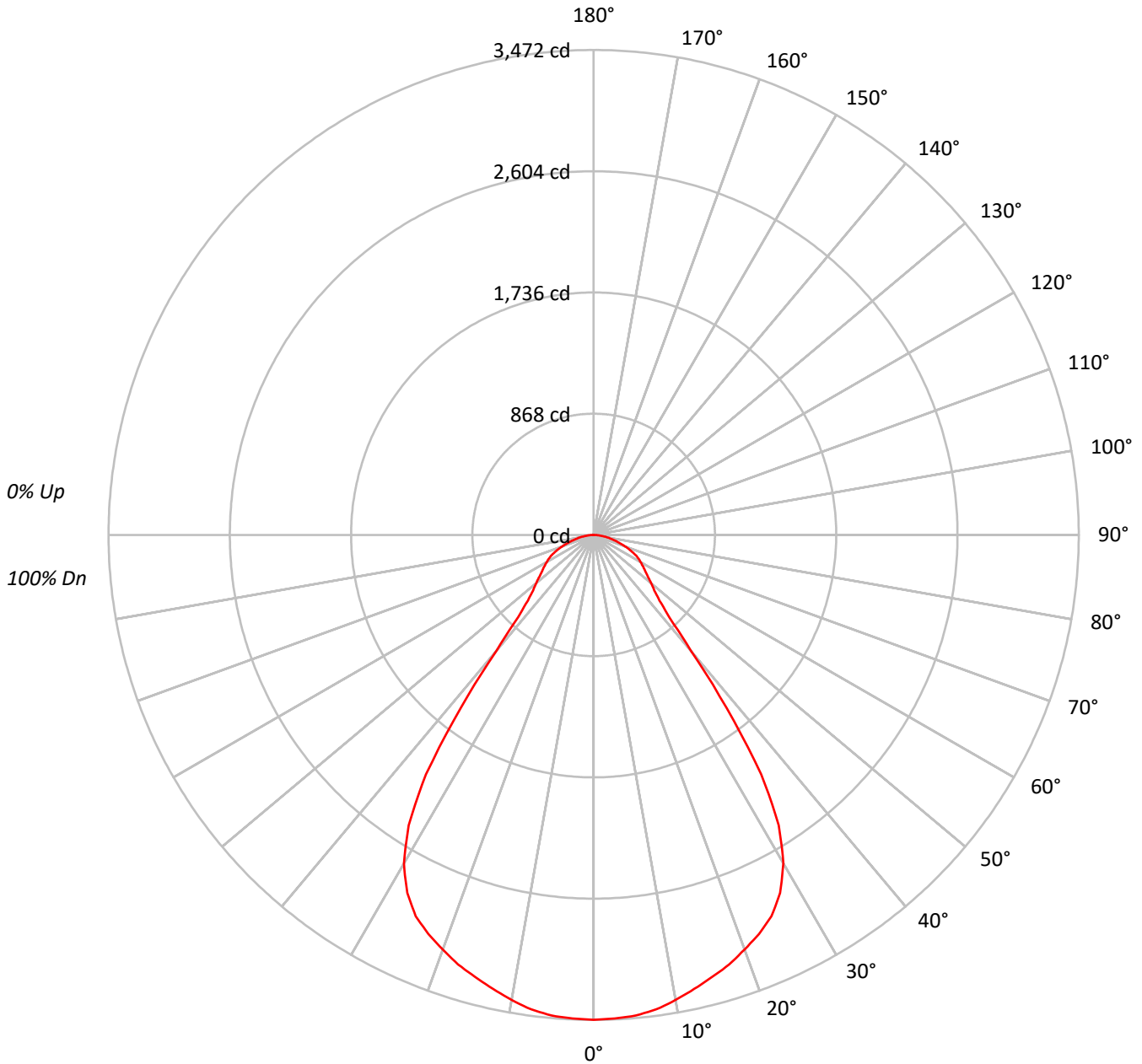
Lumens per Lamp: N/A
Luminaire Lumens: 5354.9 lumens
Efficiency: N/A
Efficacy: 103.0 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.06
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 52
Input Voltage (V): NR
Input Current (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: P585012
CATALOG NUMBER: HCC8S55D010BZ-HM82555930-81WDW

Luminous Intensity Polar Plot





TEST NUMBER: P585012

CATALOG NUMBER: HCC8S55D010BZ-HM82555930-81WDW

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°	107058
5°	106928
10°	105869
15°	104603
20°	103634
25°	102470
30°	96686
35°	78729
40°	43498
45°	29035
50°	25752
55°	24177
60°	23861
65°	23655
70°	21368
75°	19099
80°	16710
85°	14789



TEST NUMBER: P585012
 CATALOG NUMBER: HCC8S55D010BZ-HM82555930-81WDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	327.4	6.1
10°-20°	925.2	17.3
20°-30°	1374.7	25.7
30°-40°	1238.0	23.1
40°-50°	548.8	10.2
50°-60°	406.5	7.6
60°-70°	316.1	5.9
70°-80°	171.4	3.2
80°-90°	46.9	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°	2627.3	49.1
0°-40°	3865.3	72.2
0°-60°	4820.6	90.0
0°-90°	5354.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5354.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3472	
5°	3454	327
15°	3277	925
25°	3012	1375
35°	2091	1238
45°	666	549
55°	450	406
65°	324	316
75°	160	171
85°	42	47
90°	0	



TEST NUMBER: P585012
CATALOG NUMBER: HCC8S55D010BZ-HM82555930-81WDW

CANDELA DISTRIBUTION (FULL):

0°	
0°	3471.8
2.5°	3464.8
5°	3454.4
7.5°	3426.5
10°	3381.1
12.5°	3328.8
15°	3276.6
17.5°	3224.3
20°	3158.1
22.5°	3091.9
25°	3011.7
27.5°	2889.7
30°	2715.4
32.5°	2464.4
35°	2091.4
37.5°	1561.6
40°	1080.6
42.5°	798.2
45°	665.8
47.5°	589.0
50°	536.8
52.5°	488.0
55°	449.7
57.5°	418.3
60°	386.9
62.5°	359.0
65°	324.2
67.5°	282.3
70°	237.0
72.5°	198.7
75°	160.3
77.5°	125.5
80°	94.1
82.5°	66.2
85°	41.8
87.5°	17.5
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)