

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: P584961

Luminaire Tested: **HCC8S55D010BZ-HM82555835-81WDW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P584961
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-HM82555835-81WDW
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WIDE DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

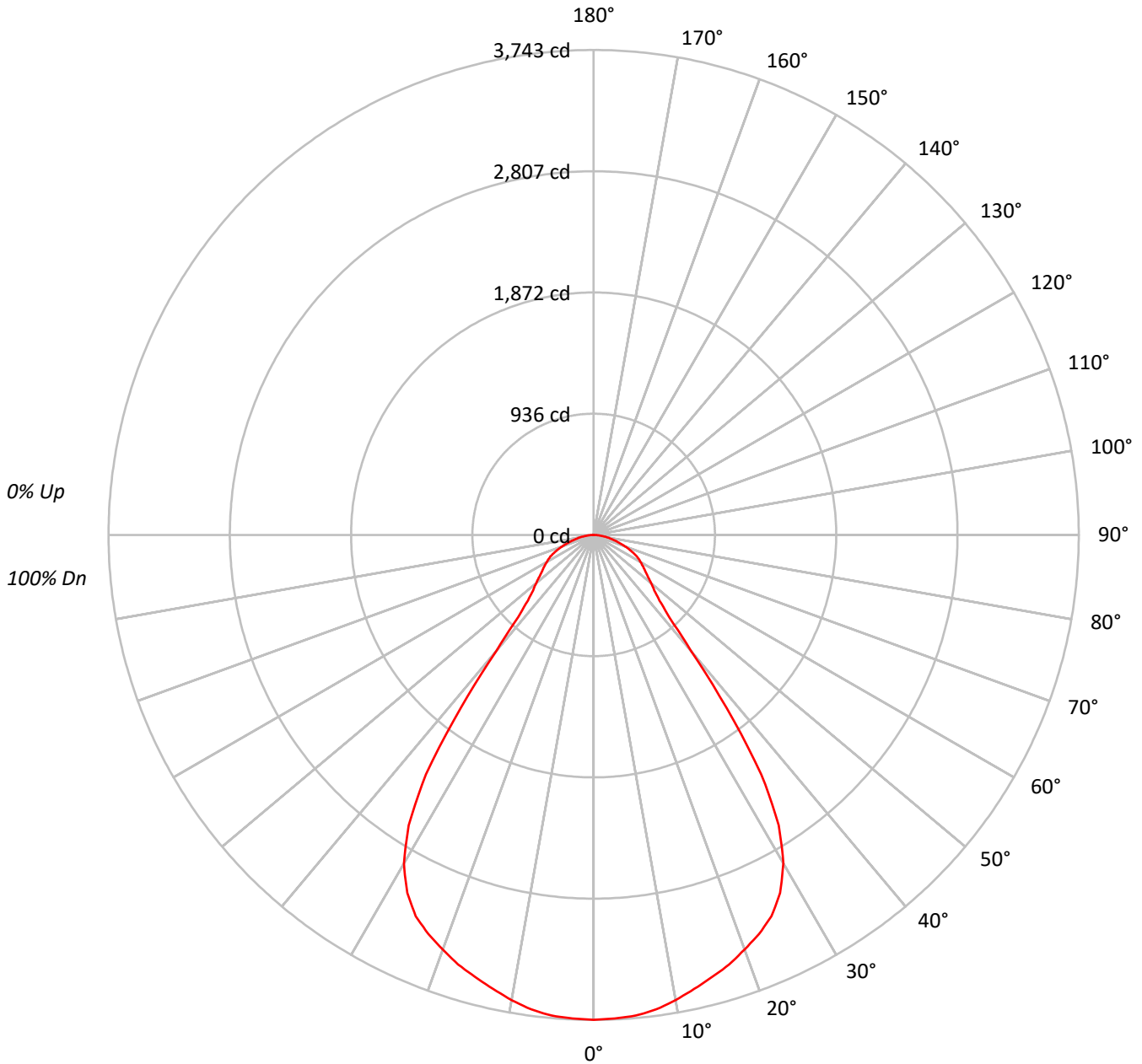
Lumens per Lamp: N/A
Luminaire Lumens: 5773.1 lumens
Efficiency: N/A
Efficacy: 111.0 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.06
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 52
Input Voltage (V): NR
Input Current (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: P584961
CATALOG NUMBER: HCC8S55D010BZ-HM82555835-81WDW

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab
 1121 Highway 74 South
 Peachtree City, GA 30269



TEST NUMBER: P584961

CATALOG NUMBER: HCC8S55D010BZ-HM82555835-81WDW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	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°	115417
5°	115276
10°	114139
15°	112769
20°	111726
25°	110469
30°	104235
35°	84880
40°	46896
45°	31298
50°	27762
55°	26058
60°	25724
65°	25501
70°	23036
75°	20600
80°	18024
85°	15957



TEST NUMBER: P584961
 CATALOG NUMBER: HCC8S55D010BZ-HM82555835-81WDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	353.0	6.1
10°-20°	997.4	17.3
20°-30°	1482.0	25.7
30°-40°	1334.7	23.1
40°-50°	591.7	10.2
50°-60°	438.2	7.6
60°-70°	340.8	5.9
70°-80°	184.7	3.2
80°-90°	50.6	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°	2832.4	49.1
0°-40°	4167.1	72.2
0°-60°	5197.0	90.0
0°-90°	5773.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5773.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3743	
5°	3724	353
15°	3532	997
25°	3247	1482
35°	2255	1335
45°	718	592
55°	485	438
65°	350	341
75°	173	185
85°	45	51
90°	0	



TEST NUMBER: P584961

CATALOG NUMBER: HCC8S55D010BZ-HM82555835-81WDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	3742.9
2.5°	3735.4
5°	3724.1
7.5°	3694.0
10°	3645.2
12.5°	3588.8
15°	3532.4
17.5°	3476.0
20°	3404.7
22.5°	3333.3
25°	3246.8
27.5°	3115.3
30°	2927.4
32.5°	2656.8
35°	2254.8
37.5°	1683.6
40°	1165.0
42.5°	860.6
45°	717.7
47.5°	635.1
50°	578.7
52.5°	526.1
55°	484.7
57.5°	451.0
60°	417.1
62.5°	387.1
65°	349.5
67.5°	304.4
70°	255.5
72.5°	214.2
75°	172.9
77.5°	135.2
80°	101.5
82.5°	71.4
85°	45.1
87.5°	18.8
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)