

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: P593696

Luminaire Tested: **HCC8W35D010BZ-HM82555850-81PSMDW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P593696
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: HCC8W35D010BZ-HM82555850-81PSMDW
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" PLASTIC TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

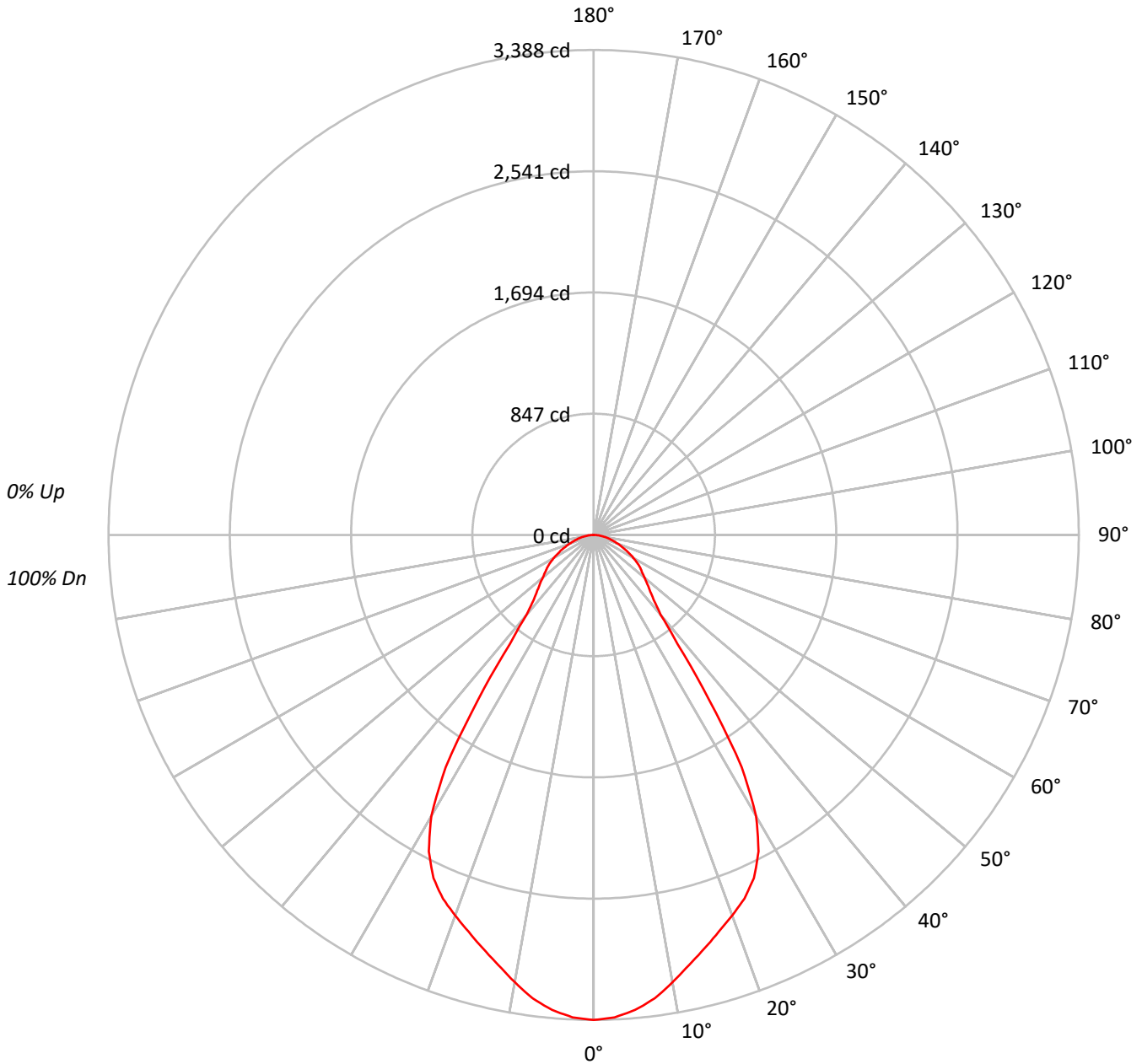
Lumens per Lamp: N/A
Luminaire Lumens: 4451.3 lumens
Efficiency: N/A
Efficacy: 132.1 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 0.97
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 33.7
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: P593696
CATALOG NUMBER: HCC8W35D010BZ-HM82555850-81PSMDW

Luminous Intensity Polar Plot





TEST NUMBER: P593696
 CATALOG NUMBER: HCC8W35D010BZ-HM82555850-81PSMDW

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			
1	111	108	105	102	109	106	103	100	101	99	97	98	96	94	94	93	91	89			
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	79			
3	97	89	83	77	95	87	82	77	85	80	76	82	78	74	80	76	73	71			
4	91	81	74	69	89	80	74	69	78	72	68	76	71	67	74	70	66	64			
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58			
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	53			
7	75	64	57	52	74	63	57	52	62	56	51	61	55	51	60	55	51	49			
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45			
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	44	42			
10	64	52	46	41	62	52	45	41	51	45	41	50	45	41	49	44	41	39			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	104483
5°	103124
10°	99350
15°	95459
20°	92821
25°	90028
30°	80788
35°	52958
40°	29277
45°	24408
50°	22259
55°	21241
60°	19748
65°	17913
70°	16193
75°	14619
80°	13301
85°	12702



TEST NUMBER: P593696
 CATALOG NUMBER: HCC8W35D010BZ-HM82555850-81PSMDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	313.0	7.0
10°-20°	843.6	19.0
20°-30°	1200.6	27.0
30°-40°	888.6	20.0
40°-50°	440.1	9.9
50°-60°	351.3	7.9
60°-70°	243.9	5.5
70°-80°	131.4	3.0
80°-90°	38.7	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°	2357.3	53.0
0°-40°	3245.9	72.9
0°-60°	4037.3	90.7
0°-90°	4451.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4451.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3388	
5°	3332	313
15°	2990	844
25°	2646	1201
35°	1407	889
45°	560	440
55°	395	351
65°	246	244
75°	123	131
85°	36	39
90°	0	



TEST NUMBER: P593696
CATALOG NUMBER: HCC8W35D010BZ-HM82555850-81PSMDW

CANDELA DISTRIBUTION (FULL):

0°	
0°	3388.3
2.5°	3373.4
5°	3331.5
7.5°	3265.6
10°	3172.9
12.5°	3077.1
15°	2990.2
17.5°	2906.5
20°	2828.6
22.5°	2750.8
25°	2646.0
27.5°	2493.4
30°	2268.9
32.5°	1924.7
35°	1406.8
37.5°	960.8
40°	727.3
42.5°	622.6
45°	559.7
47.5°	508.9
50°	464.0
52.5°	425.1
55°	395.1
57.5°	359.2
60°	320.2
62.5°	281.4
65°	245.5
67.5°	209.5
70°	179.6
72.5°	149.6
75°	122.7
77.5°	98.8
80°	74.9
82.5°	53.9
85°	35.9
87.5°	15.0
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)