

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: P593526

Luminaire Tested: **HCC8W10D010MB-HM80520850-81PSMDW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P593526
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: HCC8W10D010MB-HM80520850-81PSMDW
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

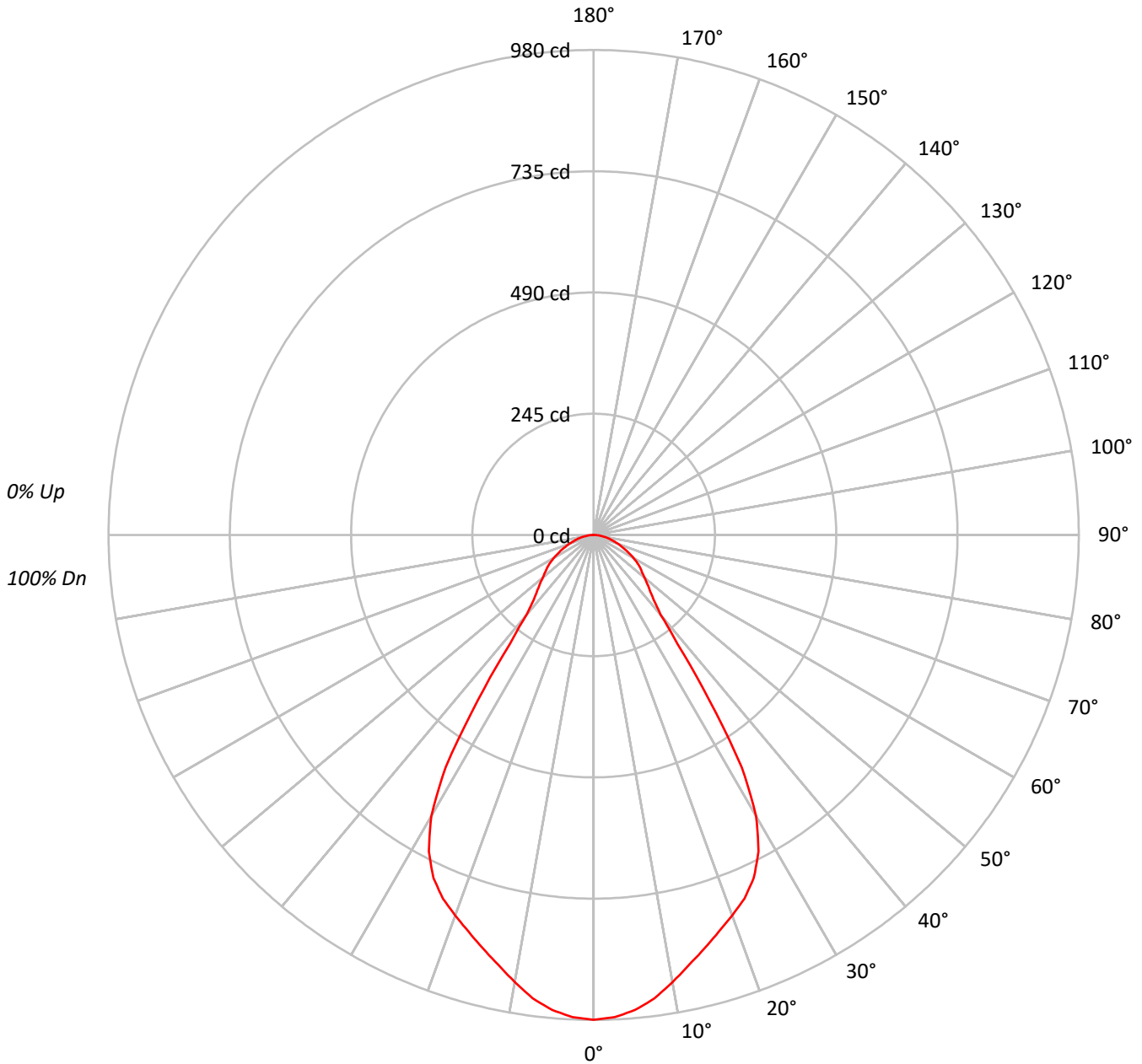
Lumens per Lamp: N/A
Luminaire Lumens: 1287.3 lumens
Efficiency: N/A
Efficacy: 130.0 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 0.97
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 9.9
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: P593526
CATALOG NUMBER: HCC8W10D010MB-HM80520850-81PSMDW

Luminous Intensity Polar Plot





TEST NUMBER: P593526

CATALOG NUMBER: HCC8W10D010MB-HM80520850-81PSMDW

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	30217
5°	29824
10°	28732
15°	27608
20°	26846
25°	26035
30°	23365
35°	15317
40°	8469
45°	7060
50°	6433
55°	6145
60°	5717
65°	5181
70°	4679
75°	4230
80°	3836
85°	3644



TEST NUMBER: P593526
 CATALOG NUMBER: HCC8W10D010MB-HM80520850-81PSMDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.5	7.0
10°-20°	244.0	19.0
20°-30°	347.2	27.0
30°-40°	257.0	20.0
40°-50°	127.3	9.9
50°-60°	101.6	7.9
60°-70°	70.5	5.5
70°-80°	38.0	3.0
80°-90°	11.2	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°	681.7	53.0
0°-40°	938.7	72.9
0°-60°	1167.6	90.7
0°-90°	1287.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1287.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	980	
5°	964	91
15°	865	244
25°	765	347
35°	407	257
45°	162	127
55°	114	102
65°	71	71
75°	36	38
85°	10	11
90°	0	



TEST NUMBER: P593526
CATALOG NUMBER: HCC8W10D010MB-HM80520850-81PSMDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	979.9
2.5°	975.5
5°	963.5
7.5°	944.4
10°	917.6
12.5°	889.8
15°	864.8
17.5°	840.6
20°	818.1
22.5°	795.5
25°	765.2
27.5°	721.1
30°	656.2
32.5°	556.6
35°	406.9
37.5°	277.9
40°	210.4
42.5°	180.1
45°	161.9
47.5°	147.1
50°	134.1
52.5°	123.0
55°	114.3
57.5°	103.9
60°	92.7
62.5°	81.4
65°	71.0
67.5°	60.6
70°	51.9
72.5°	43.3
75°	35.5
77.5°	28.6
80°	21.6
82.5°	15.6
85°	10.3
87.5°	4.3
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)