

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: P583769

Luminaire Tested: **HCC8W10D010BZ-HM80520927-81PSMDW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P583769
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: HCC8W10D010BZ-HM80520927-81PSMDW
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" PLASTIC TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

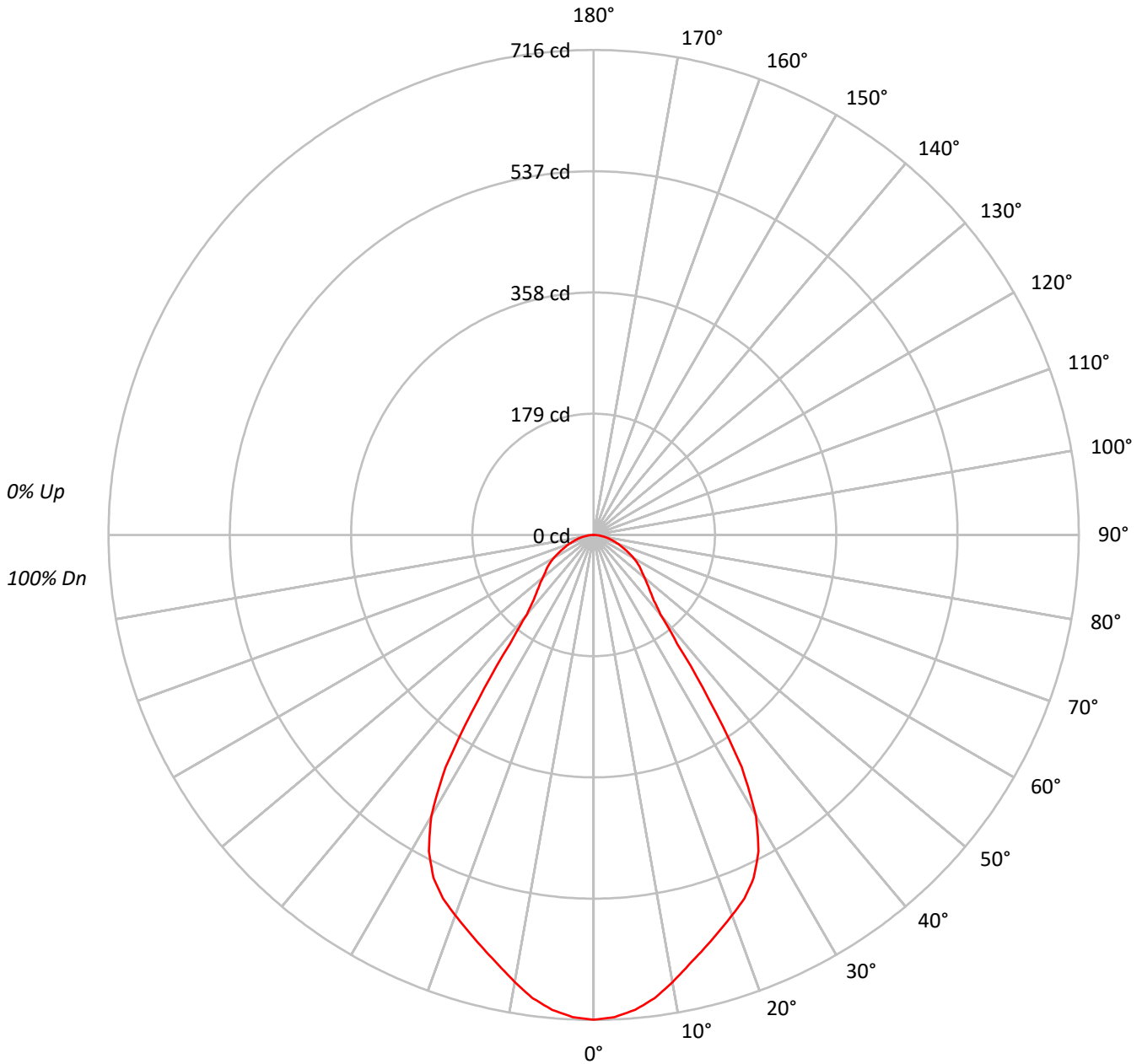
Lumens per Lamp: N/A
Luminaire Lumens: 940.2 lumens
Efficiency: N/A
Efficacy: 95.0 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 0.97
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (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: P583769
CATALOG NUMBER: HCC8W10D010BZ-HM80520927-81PSMDW

Luminous Intensity Polar Plot





TEST NUMBER: P583769
 CATALOG NUMBER: HCC8W10D010BZ-HM80520927-81PSMDW

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	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°	22070
5°	21782
10°	20985
15°	20166
20°	19607
25°	19016
30°	17063
35°	11184
40°	6183
45°	5159
50°	4701
55°	4484
60°	4175
65°	3780
70°	3426
75°	3098
80°	2824
85°	2689



TEST NUMBER: P583769
 CATALOG NUMBER: HCC8W10D010BZ-HM80520927-81PSMDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.1	7.0
10°-20°	178.2	19.0
20°-30°	253.6	27.0
30°-40°	187.7	20.0
40°-50°	93.0	9.9
50°-60°	74.2	7.9
60°-70°	51.5	5.5
70°-80°	27.8	3.0
80°-90°	8.2	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°	497.9	53.0
0°-40°	685.6	72.9
0°-60°	852.7	90.7
0°-90°	940.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	940.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	716	
5°	704	66
15°	632	178
25°	559	254
35°	297	188
45°	118	93
55°	83	74
65°	52	51
75°	26	28
85°	8	8
90°	0	



TEST NUMBER: P583769
CATALOG NUMBER: HCC8W10D010BZ-HM80520927-81PSMDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	715.7
2.5°	712.5
5°	703.7
7.5°	689.8
10°	670.2
12.5°	649.9
15°	631.7
17.5°	613.9
20°	597.5
22.5°	581.0
25°	558.9
27.5°	526.7
30°	479.2
32.5°	406.5
35°	297.1
37.5°	202.9
40°	153.6
42.5°	131.5
45°	118.3
47.5°	107.5
50°	98.0
52.5°	89.8
55°	83.4
57.5°	75.8
60°	67.7
62.5°	59.4
65°	51.8
67.5°	44.2
70°	38.0
72.5°	31.6
75°	26.0
77.5°	20.9
80°	15.9
82.5°	11.4
85°	7.6
87.5°	3.1
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)