

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: P593541

Luminaire Tested: **HCC8W10D010BZ-HM80520950-81MDW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P593541
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC8W10D010BZ-HM80520950-81MDW
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" MEDIUM DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

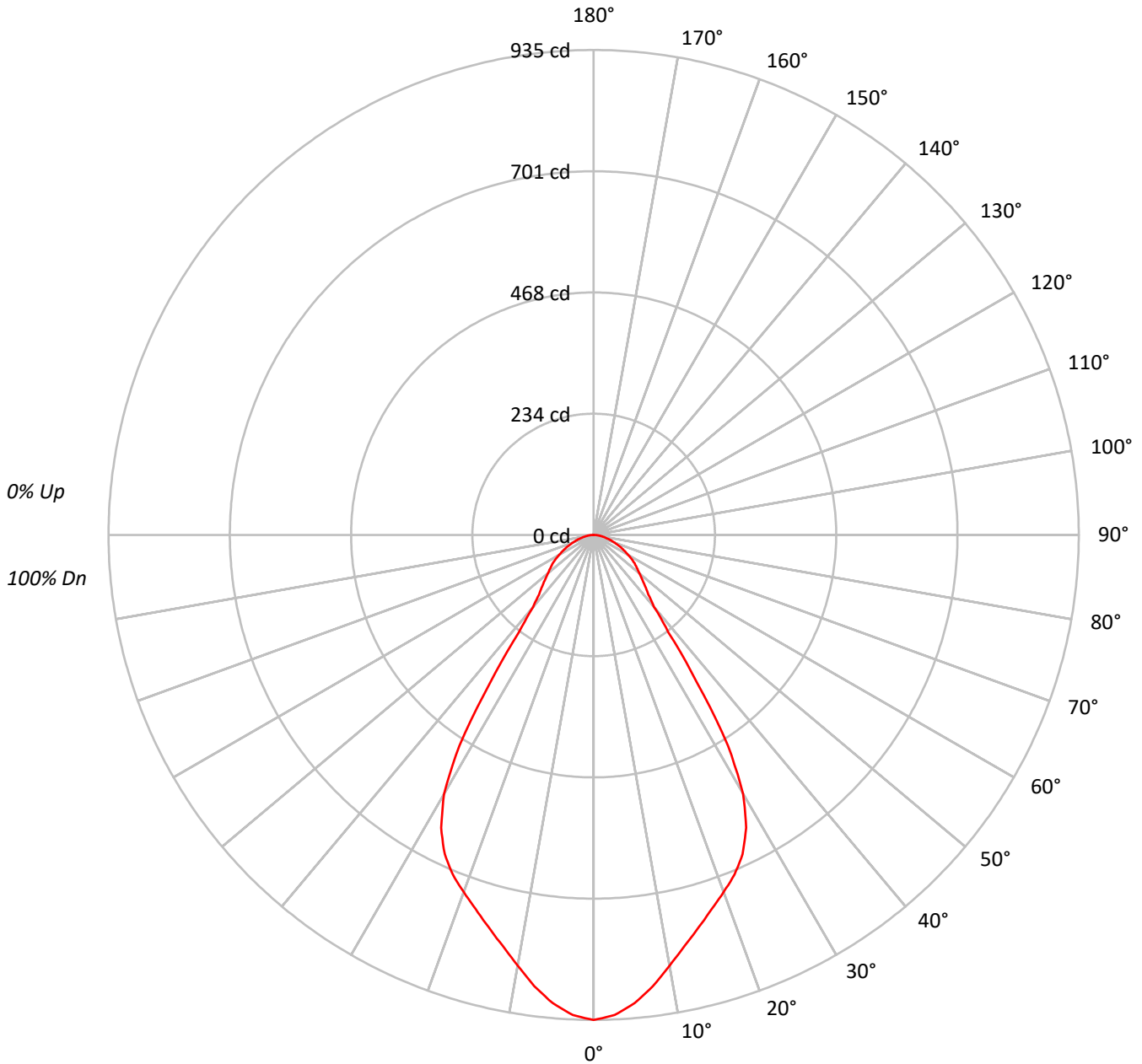
Lumens per Lamp: N/A
Luminaire Lumens: 1127.7 lumens
Efficiency: N/A
Efficacy: 113.9 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 0.95
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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: P593541
CATALOG NUMBER: HCC8W10D010BZ-HM80520950-81MDW

Luminous Intensity Polar Plot





TEST NUMBER: P593541
 CATALOG NUMBER: HCC8W10D010BZ-HM80520950-81MDW

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	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	92	90																			
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80																			
3	98	89	83	78	95	88	82	78	85	80	76	83	78	75	80	77	74	72																			
4	91	82	75	70	89	81	74	69	78	73	69	76	72	68	74	70	67	65																			
5	86	76	68	63	84	75	68	63	73	67	62	71	66	62	69	65	61	59																			
6	81	70	63	58	79	69	62	57	67	61	57	66	61	56	64	60	56	54																			
7	76	65	58	53	74	64	57	53	63	57	52	62	56	52	60	55	52	50																			
8	72	61	54	49	70	60	53	49	59	53	48	58	52	48	57	52	48	46																			
9	68	57	50	45	67	56	50	45	55	49	45	54	49	45	53	48	45	43																			
10	64	53	46	42	63	53	46	42	52	46	42	51	46	42	50	45	42	40																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	28838
5°	28051
10°	26396
15°	24993
20°	24041
25°	23113
30°	20527
35°	13074
40°	7298
45°	6114
50°	5517
55°	5204
60°	4743
65°	4283
70°	3769
75°	3348
80°	2966
85°	2689



TEST NUMBER: P593541
 CATALOG NUMBER: HCC8W10D010BZ-HM80520950-81MDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.5	7.5
10°-20°	220.8	19.6
20°-30°	308.0	27.3
30°-40°	221.6	19.7
40°-50°	109.9	9.7
50°-60°	86.0	7.6
60°-70°	58.2	5.2
70°-80°	30.2	2.7
80°-90°	8.7	0.8
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°	613.3	54.4
0°-40°	834.9	74.0
0°-60°	1030.7	91.4
0°-90°	1127.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1127.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	935	
5°	906	84
15°	783	221
25°	679	308
35°	347	222
45°	140	110
55°	97	86
65°	59	58
75°	28	30
85°	8	9
90°	0	



TEST NUMBER: P593541
CATALOG NUMBER: HCC8W10D010BZ-HM80520950-81MDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	935.2
2.5°	926.7
5°	906.2
7.5°	877.2
10°	843.0
12.5°	811.0
15°	782.9
17.5°	756.2
20°	732.6
22.5°	708.9
25°	679.3
27.5°	636.6
30°	576.5
32.5°	482.0
35°	347.3
37.5°	236.8
40°	181.3
42.5°	156.1
45°	140.2
47.5°	126.5
50°	115.0
52.5°	105.1
55°	96.8
57.5°	86.8
60°	76.9
62.5°	67.1
65°	58.7
67.5°	50.2
70°	41.8
72.5°	35.0
75°	28.1
77.5°	22.1
80°	16.7
82.5°	12.1
85°	7.6
87.5°	3.8
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)