

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: P585268

Luminaire Tested: **HCC8W80D010BZ-HM86080927-81WDWB**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P585268
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC8W80D010BZ-HM86080927-81WDWB
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

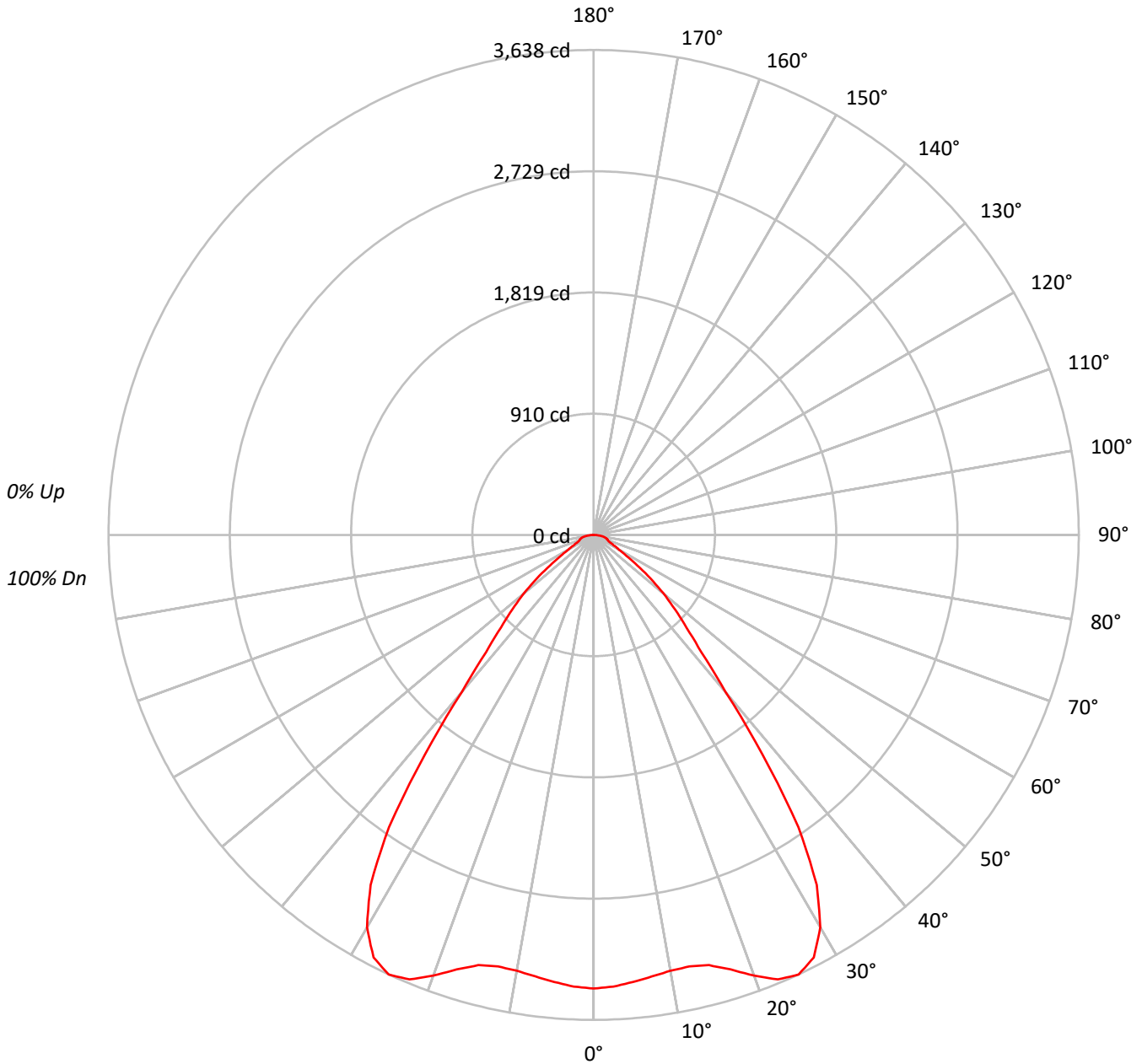
Lumens per Lamp: N/A
Luminaire Lumens: 5974.2 lumens
Efficiency: N/A
Efficacy: 85.3 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.14
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 70
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: P585268
CATALOG NUMBER: HCC8W80D010BZ-HM86080927-81WDWB

Luminous Intensity Polar Plot





TEST NUMBER: P585268

CATALOG NUMBER: HCC8W80D010BZ-HM86080927-81WDWB

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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	108	105	103	109	106	103	101	102	100	98	98	97	95	95	93	92	90		
2	105	99	94	89	102	97	92	88	93	90	86	90	87	84	88	85	83	81		
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	73		
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	65		
5	86	75	68	63	84	74	68	63	73	67	62	71	66	62	69	65	61	59		
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54		
7	75	64	57	52	74	63	57	52	62	56	51	61	55	51	59	55	51	49		
8	71	59	52	47	69	59	52	47	58	51	47	56	51	47	55	50	47	45		
9	67	55	48	43	65	55	48	43	54	47	43	53	47	43	52	47	43	41		
10	63	51	45	40	62	51	44	40	50	44	40	49	44	40	48	43	40	38		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	104924
5°	104201
10°	103928
15°	106655
20°	115464
25°	123790
30°	121024
35°	100773
40°	61911
45°	42872
50°	32717
55°	21451
60°	13420
65°	10055
70°	10143
75°	11676
80°	12874
85°	11569



TEST NUMBER: P585268
 CATALOG NUMBER: HCC8W80D010BZ-HM86080927-81WDWB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	319.9	5.4
10°-20°	959.0	16.1
20°-30°	1651.0	27.6
30°-40°	1599.5	26.8
40°-50°	787.9	13.2
50°-60°	371.8	6.2
60°-70°	146.5	2.5
70°-80°	101.1	1.7
80°-90°	37.5	0.6
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°	2929.9	49.0
0°-40°	4529.5	75.8
0°-60°	5689.1	95.2
0°-90°	5974.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5974.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3403	
5°	3366	320
15°	3341	959
25°	3638	1651
35°	2677	1600
45°	983	788
55°	399	372
65°	138	147
75°	98	101
85°	33	38
90°	0	



TEST NUMBER: P585268

CATALOG NUMBER: HCC8W80D010BZ-HM86080927-81WDWB

CANDELA DISTRIBUTION (FULL):

	0°
0°	3402.6
2.5°	3391.6
5°	3366.3
7.5°	3340.9
10°	3319.1
12.5°	3315.4
15°	3340.9
17.5°	3417.1
20°	3518.6
22.5°	3609.3
25°	3638.3
27.5°	3573.1
30°	3398.9
32.5°	3112.3
35°	2677.0
37.5°	2078.5
40°	1538.0
42.5°	1193.4
45°	983.1
47.5°	827.1
50°	682.0
52.5°	536.8
55°	399.0
57.5°	290.2
60°	217.6
62.5°	170.5
65°	137.8
67.5°	119.7
70°	112.5
72.5°	105.2
75°	98.0
77.5°	87.0
80°	72.5
82.5°	54.5
85°	32.7
87.5°	14.5
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)