

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: P585158

Luminaire Tested: **HCC8W60D010MW-HM86080935-81NDW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P585158
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC8W60D010MW-HM86080935-81NDW
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" NARROW DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

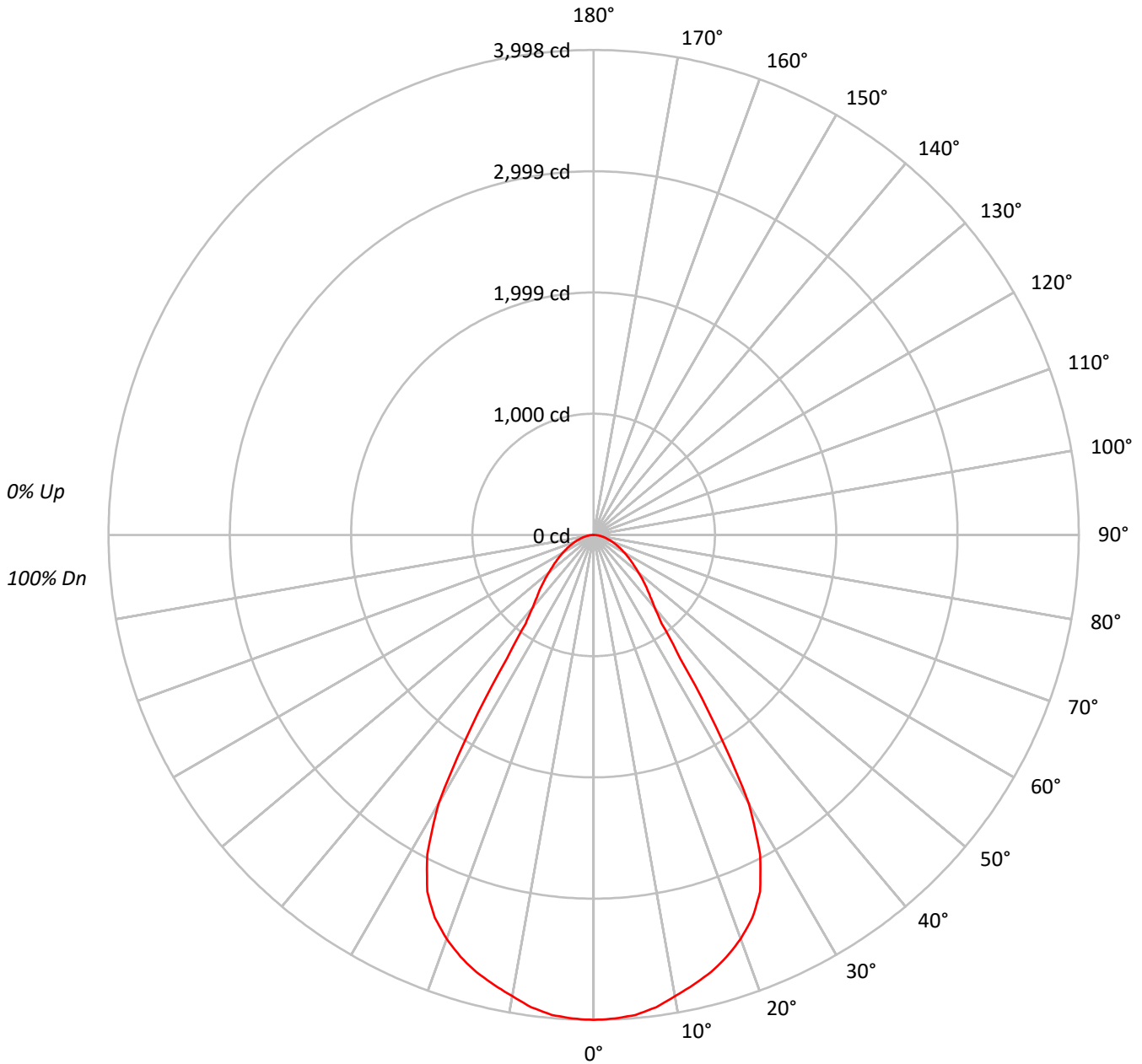
Lumens per Lamp: N/A
Luminaire Lumens: 4946.2 lumens
Efficiency: N/A
Efficacy: 88.3 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 0.92
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 56
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: P585158
CATALOG NUMBER: HCC8W60D010MW-HM86080935-81NDW

Luminous Intensity Polar Plot





TEST NUMBER: P585158

CATALOG NUMBER: HCC8W60D010MW-HM86080935-81NDW

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	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90			
2	105	99	94	90	102	97	92	88	94	90	87	91	87	85	88	85	83	81			
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73			
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	72	68	67			
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	63	61			
6	82	71	64	59	80	70	64	59	69	63	58	67	62	58	66	61	58	56			
7	77	66	59	54	76	66	59	54	64	58	54	63	58	54	62	57	53	52			
8	73	62	55	50	71	61	55	50	60	54	50	59	54	50	58	53	49	48			
9	69	58	51	47	68	57	51	47	56	51	46	55	50	46	55	50	46	45			
10	65	55	48	44	64	54	48	44	53	47	43	52	47	43	52	47	43	42			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	123284
5°	122956
10°	120908
15°	119144
20°	116284
25°	110384
30°	91046
35°	46875
40°	31386
45°	26911
50°	23224
55°	20263
60°	18002
65°	16176
70°	14660
75°	13201
80°	11827
85°	11746



TEST NUMBER: P585158
 CATALOG NUMBER: HCC8W60D010MW-HM86080935-81NDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	375.6	7.6
10°-20°	1050.0	21.2
20°-30°	1454.8	29.4
30°-40°	873.8	17.7
40°-50°	478.4	9.7
50°-60°	339.8	6.9
60°-70°	220.6	4.5
70°-80°	117.9	2.4
80°-90°	35.2	0.7
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°	2880.4	58.2
0°-40°	3754.3	75.9
0°-60°	4572.4	92.4
0°-90°	4946.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4946.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3998	
5°	3972	376
15°	3732	1050
25°	3244	1455
35°	1245	874
45°	617	478
55°	377	340
65°	222	221
75°	111	118
85°	33	35
90°	0	



TEST NUMBER: P585158
CATALOG NUMBER: HCC8W60D010MW-HM86080935-81NDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	3998.0
2.5°	3990.6
5°	3972.2
7.5°	3927.9
10°	3861.4
12.5°	3798.5
15°	3732.1
17.5°	3647.1
20°	3543.6
22.5°	3418.0
25°	3244.3
27.5°	2970.8
30°	2557.0
32.5°	1873.4
35°	1245.2
37.5°	920.1
40°	779.7
42.5°	691.0
45°	617.1
47.5°	546.8
50°	484.1
52.5°	424.9
55°	376.9
57.5°	332.5
60°	291.9
62.5°	255.0
65°	221.7
67.5°	188.5
70°	162.6
72.5°	133.0
75°	110.8
77.5°	88.7
80°	66.6
82.5°	48.0
85°	33.2
87.5°	14.8
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)