

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: P593881

Luminaire Tested: **HCC8W60D010MW-HM86080950-81MDW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P593881
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: HCC8W60D010MW-HM86080950-81MDW
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

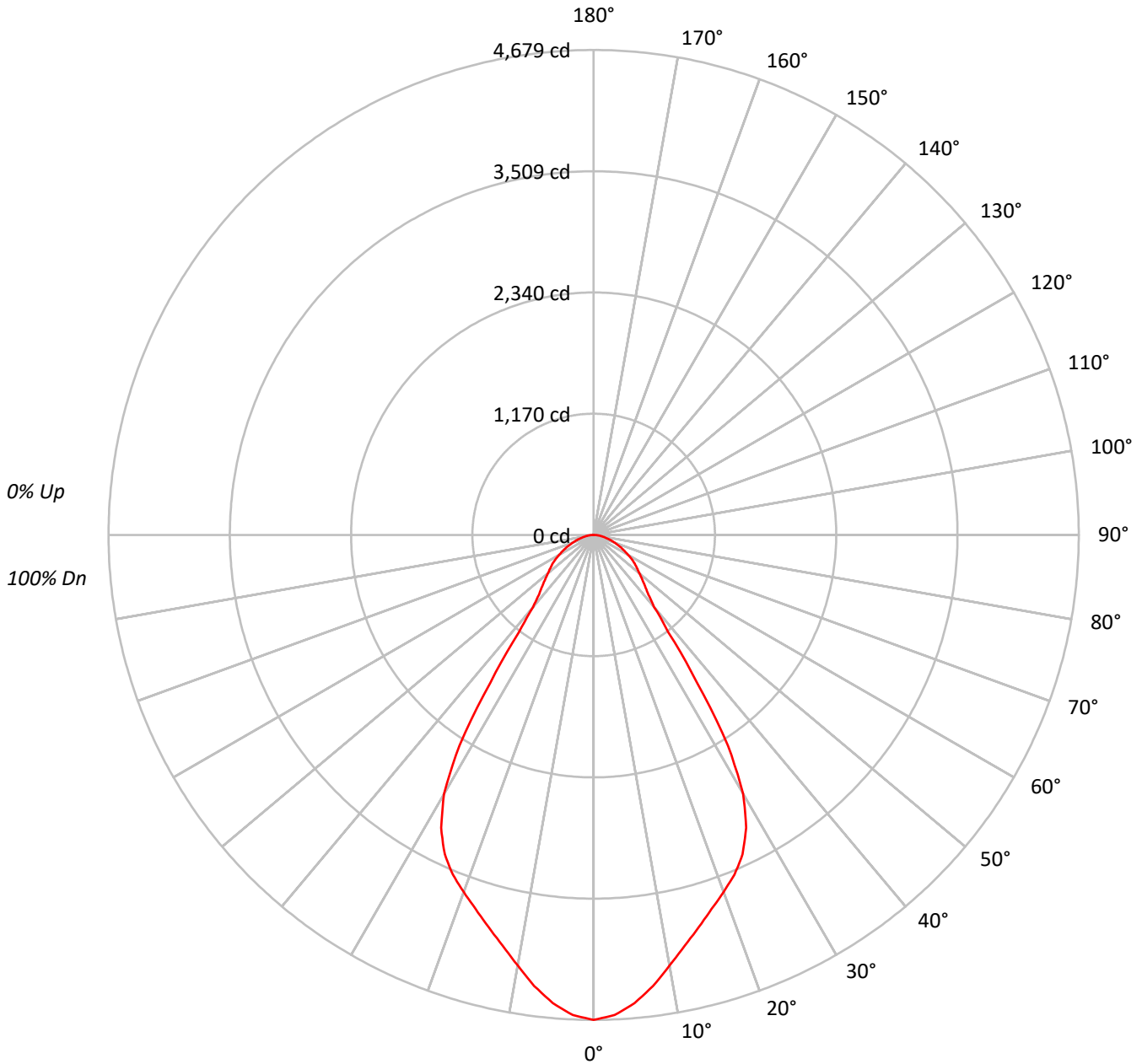
Lumens per Lamp: N/A
Luminaire Lumens: 5642.9 lumens
Efficiency: N/A
Efficacy: 100.8 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 0.95
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 56
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: P593881
CATALOG NUMBER: HCC8W60D010MW-HM86080950-81MDW

Luminous Intensity Polar Plot





TEST NUMBER: P593881
 CATALOG NUMBER: HCC8W60D010MW-HM86080950-81MDW

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	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°	144289
5°	140358
10°	132077
15°	125050
20°	120288
25°	115641
30°	102704
35°	65411
40°	36506
45°	30579
50°	27599
55°	26021
60°	23738
65°	21408
70°	18897
75°	16787
80°	14899
85°	13480



TEST NUMBER: P593881
 CATALOG NUMBER: HCC8W60D010MW-HM86080950-81MDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	422.7	7.5
10°-20°	1104.7	19.6
20°-30°	1541.1	27.3
30°-40°	1108.9	19.7
40°-50°	549.6	9.7
50°-60°	430.0	7.6
60°-70°	291.1	5.2
70°-80°	151.2	2.7
80°-90°	43.5	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°	3068.6	54.4
0°-40°	4177.5	74.0
0°-60°	5157.1	91.4
0°-90°	5642.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5642.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4679	
5°	4534	423
15°	3917	1105
25°	3399	1541
35°	1738	1109
45°	701	550
55°	484	430
65°	293	291
75°	141	151
85°	38	44
90°	0	



TEST NUMBER: P593881
CATALOG NUMBER: HCC8W60D010MW-HM86080950-81MDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	4679.2
2.5°	4637.2
5°	4534.4
7.5°	4389.6
10°	4218.1
12.5°	4058.1
15°	3917.1
17.5°	3783.7
20°	3665.6
22.5°	3547.5
25°	3398.8
27.5°	3185.5
30°	2884.4
32.5°	2412.0
35°	1737.6
37.5°	1185.0
40°	906.9
42.5°	781.1
45°	701.2
47.5°	632.5
50°	575.3
52.5°	525.8
55°	484.0
57.5°	434.4
60°	384.9
62.5°	335.3
65°	293.4
67.5°	251.4
70°	209.6
72.5°	175.3
75°	140.9
77.5°	110.5
80°	83.9
82.5°	61.0
85°	38.1
87.5°	19.0
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)