

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: P593882

Luminaire Tested: **HCC8S60D010MW-HM86080950-81NDW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P593882
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: HCC8S60D010MW-HM86080950-81NDW
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" NARROW DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

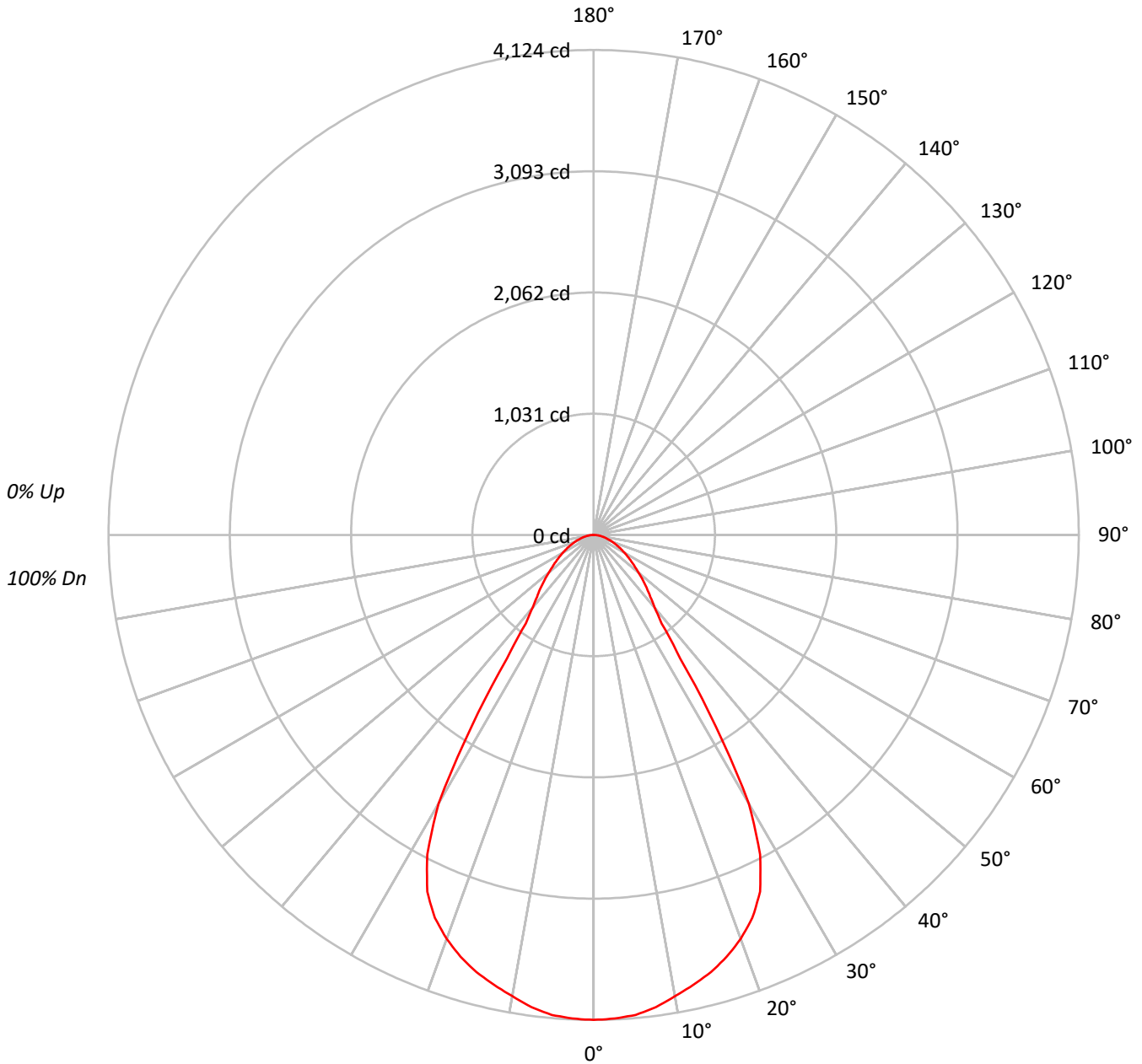
Lumens per Lamp: N/A
Luminaire Lumens: 5101.8 lumens
Efficiency: N/A
Efficacy: 91.1 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 0.92
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 56
Input Voltage (V): NR
Input Current (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: P593882
CATALOG NUMBER: HCC8S60D010MW-HM86080950-81NDW

Luminous Intensity Polar Plot





TEST NUMBER: P593882
 CATALOG NUMBER: HCC8S60D010MW-HM86080950-81NDW

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°	127169
5°	126825
10°	124713
15°	122892
20°	119943
25°	113858
30°	93913
35°	48350
40°	32372
45°	27753
50°	23953
55°	20902
60°	18576
65°	16687
70°	15120
75°	13618
80°	12182
85°	12136



TEST NUMBER: P593882
 CATALOG NUMBER: HCC8S60D010MW-HM86080950-81NDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	387.4	7.6
10°-20°	1083.0	21.2
20°-30°	1500.6	29.4
30°-40°	901.3	17.7
40°-50°	493.4	9.7
50°-60°	350.5	6.9
60°-70°	227.6	4.5
70°-80°	121.6	2.4
80°-90°	36.3	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°	2971.1	58.2
0°-40°	3872.4	75.9
0°-60°	4716.4	92.4
0°-90°	5101.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5101.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4124	
5°	4097	387
15°	3850	1083
25°	3346	1501
35°	1284	901
45°	636	493
55°	389	351
65°	229	228
75°	114	122
85°	34	36
90°	0	



TEST NUMBER: P593882
CATALOG NUMBER: HCC8S60D010MW-HM86080950-81NDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	4124.0
2.5°	4116.3
5°	4097.2
7.5°	4051.5
10°	3982.9
12.5°	3918.1
15°	3849.5
17.5°	3761.8
20°	3655.1
22.5°	3525.6
25°	3346.4
27.5°	3064.4
30°	2637.5
32.5°	1932.4
35°	1284.4
37.5°	949.0
40°	804.2
42.5°	712.7
45°	636.4
47.5°	564.1
50°	499.3
52.5°	438.3
55°	388.8
57.5°	343.0
60°	301.2
62.5°	263.0
65°	228.7
67.5°	194.3
70°	167.7
72.5°	137.3
75°	114.3
77.5°	91.5
80°	68.6
82.5°	49.6
85°	34.3
87.5°	15.2
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)