

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: P585107

Luminaire Tested: **HCC8W60D010BZ-HM86080840-81NDW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P585107
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: HCC8W60D010BZ-HM86080840-81NDW
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" NARROW DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

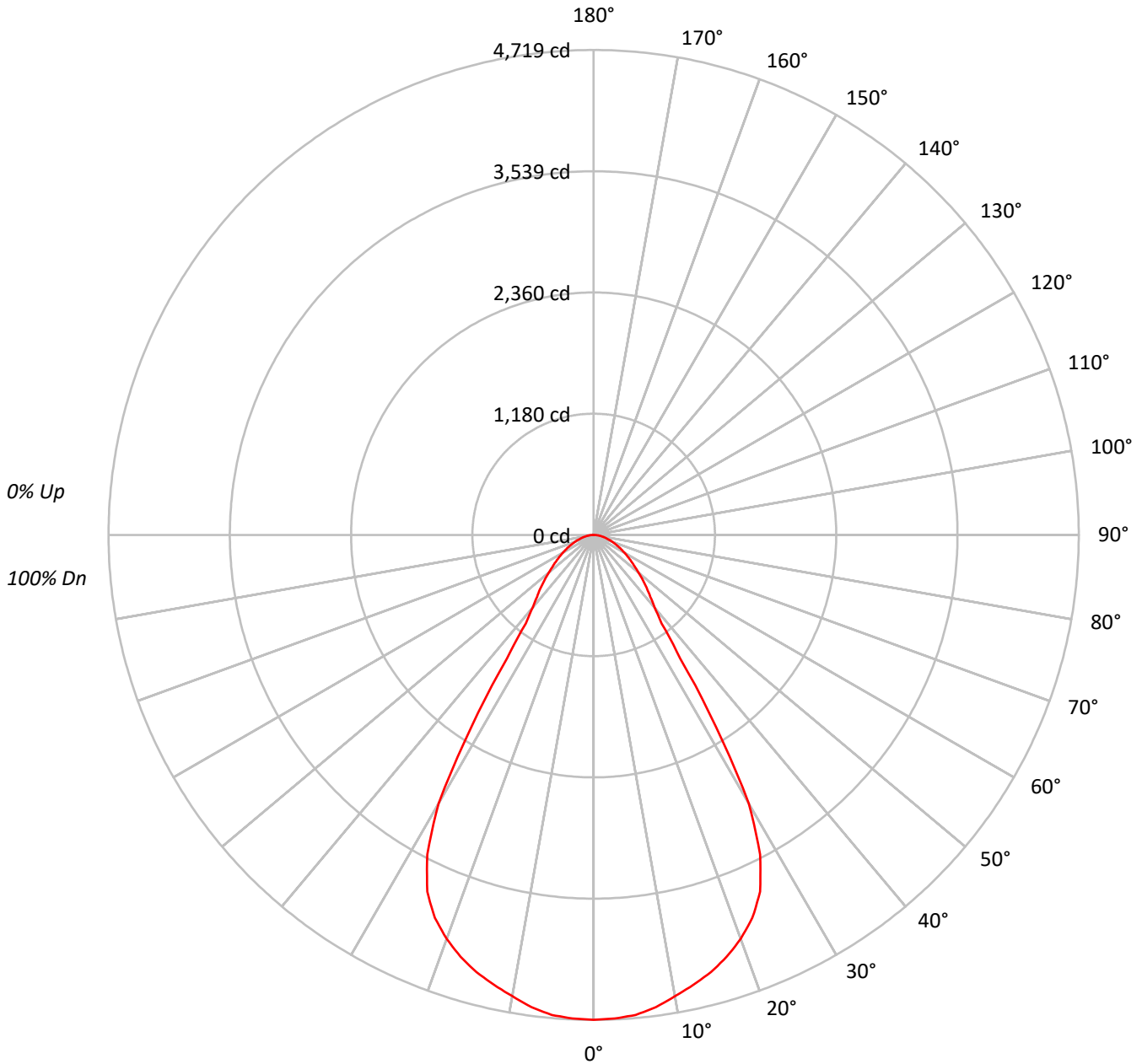
Lumens per Lamp: N/A
Luminaire Lumens: 5837.6 lumens
Efficiency: N/A
Efficacy: 104.2 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 0.92
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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: P585107
CATALOG NUMBER: HCC8W60D010BZ-HM86080840-81NDW

Luminous Intensity Polar Plot





TEST NUMBER: P585107

CATALOG NUMBER: HCC8W60D010BZ-HM86080840-81NDW

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°	145507
5°	145119
10°	142698
15°	140616
20°	137244
25°	130282
30°	107457
35°	55326
40°	37042
45°	31761
50°	27407
55°	23918
60°	21246
65°	19095
70°	17302
75°	15584
80°	13940
85°	13869



TEST NUMBER: P585107
 CATALOG NUMBER: HCC8W60D010BZ-HM86080840-81NDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	443.3	7.6
10°-20°	1239.3	21.2
20°-30°	1717.1	29.4
30°-40°	1031.4	17.7
40°-50°	564.6	9.7
50°-60°	401.1	6.9
60°-70°	260.4	4.5
70°-80°	139.1	2.4
80°-90°	41.5	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°	3399.6	58.2
0°-40°	4430.9	75.9
0°-60°	5396.6	92.4
0°-90°	5837.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5837.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4719	
5°	4688	443
15°	4405	1239
25°	3829	1717
35°	1470	1031
45°	728	565
55°	445	401
65°	262	260
75°	131	139
85°	39	42
90°	0	



TEST NUMBER: P585107
CATALOG NUMBER: HCC8W60D010BZ-HM86080840-81NDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	4718.7
2.5°	4710.0
5°	4688.2
7.5°	4635.9
10°	4557.3
12.5°	4483.3
15°	4404.7
17.5°	4304.4
20°	4182.3
22.5°	4034.0
25°	3829.1
27.5°	3506.3
30°	3017.9
32.5°	2211.1
35°	1469.7
37.5°	1085.9
40°	920.2
42.5°	815.6
45°	728.3
47.5°	645.4
50°	571.3
52.5°	501.5
55°	444.9
57.5°	392.5
60°	344.5
62.5°	300.9
65°	261.7
67.5°	222.4
70°	191.9
72.5°	157.0
75°	130.8
77.5°	104.6
80°	78.5
82.5°	56.7
85°	39.2
87.5°	17.4
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)