

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: P585115

Luminaire Tested: **HCC8S60D010MB-HM86080840-81WDWB**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P585115
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: HCC8S60D010MB-HM86080840-81WDWB
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

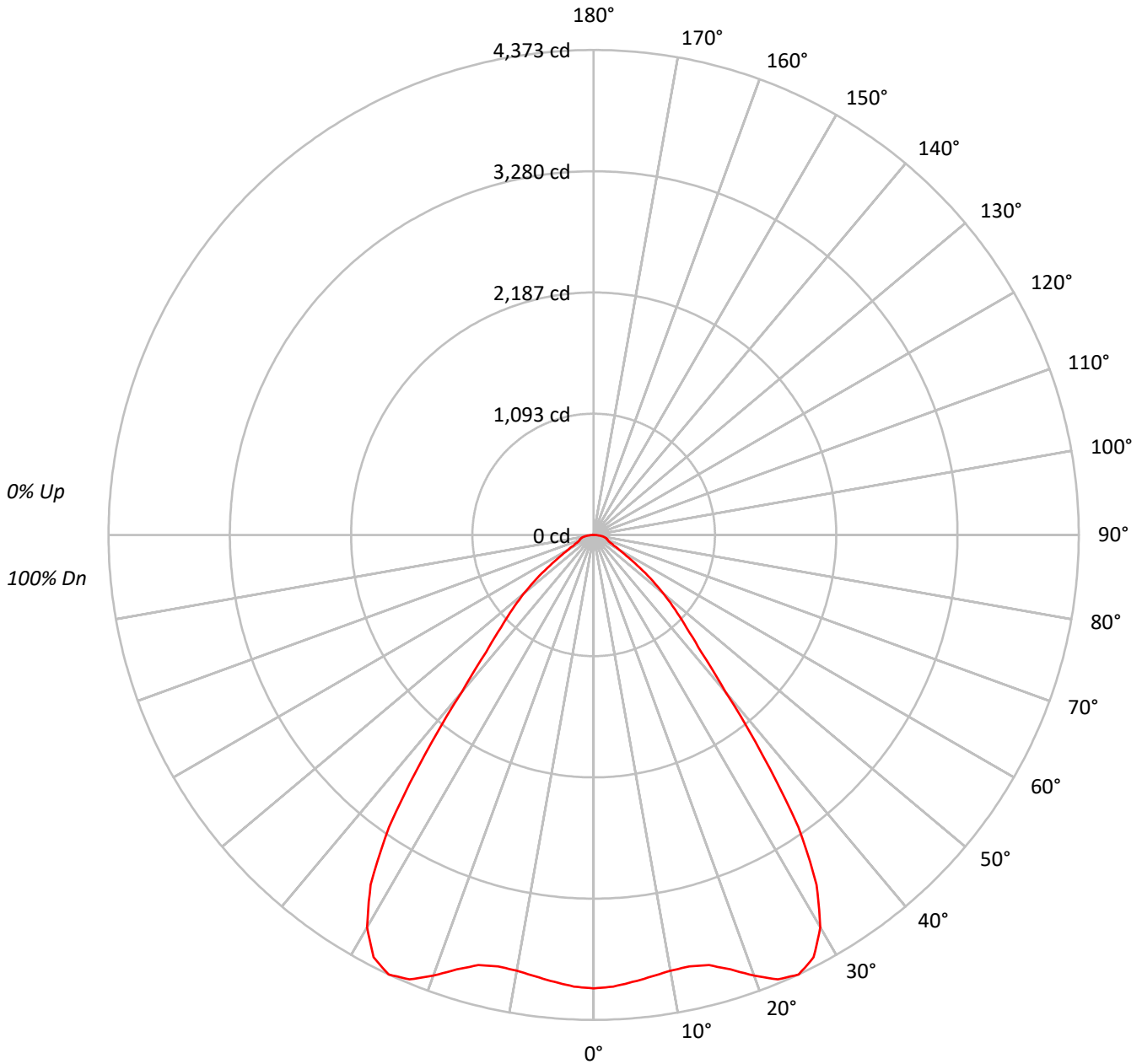
Lumens per Lamp: N/A
Luminaire Lumens: 7180.4 lumens
Efficiency: N/A
Efficacy: 128.2 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.14
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P585115
CATALOG NUMBER: HCC8S60D010MB-HM86080840-81WDWB

Luminous Intensity Polar Plot





TEST NUMBER: P585115

CATALOG NUMBER: HCC8S60D010MB-HM86080840-81WDWB

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	126105
5°	125237
10°	124913
15°	128188
20°	138779
25°	148784
30°	145461
35°	121120
40°	74413
45°	51524
50°	39318
55°	25784
60°	16134
65°	12083
70°	12190
75°	14035
80°	15485
85°	13869



TEST NUMBER: P585115
 CATALOG NUMBER: HCC8S60D010MB-HM86080840-81WDWB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	384.4	5.4
10°-20°	1152.7	16.1
20°-30°	1984.4	27.6
30°-40°	1922.5	26.8
40°-50°	946.9	13.2
50°-60°	446.9	6.2
60°-70°	176.1	2.5
70°-80°	121.5	1.7
80°-90°	45.1	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°	3521.5	49.0
0°-40°	5444.0	75.8
0°-60°	6837.8	95.2
0°-90°	7180.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7180.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4090	
5°	4046	384
15°	4015	1153
25°	4373	1984
35°	3218	1923
45°	1182	947
55°	480	447
65°	166	176
75°	118	121
85°	39	45
90°	0	



TEST NUMBER: P585115

CATALOG NUMBER: HCC8S60D010MB-HM86080840-81WDWB

CANDELA DISTRIBUTION (FULL):

	0°
0°	4089.5
2.5°	4076.5
5°	4045.9
7.5°	4015.4
10°	3989.3
12.5°	3984.9
15°	4015.4
17.5°	4107.0
20°	4229.1
22.5°	4338.1
25°	4372.9
27.5°	4294.5
30°	4085.2
32.5°	3740.7
35°	3217.5
37.5°	2498.1
40°	1848.6
42.5°	1434.4
45°	1181.5
47.5°	994.0
50°	819.6
52.5°	645.2
55°	479.6
57.5°	348.8
60°	261.6
62.5°	205.0
65°	165.6
67.5°	143.8
70°	135.2
72.5°	126.4
75°	117.8
77.5°	104.6
80°	87.2
82.5°	65.4
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)