

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: P585149

Luminaire Tested: **HCC8W60D010MB-HM86080930-81WDWB**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P585149
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: HCC8W60D010MB-HM86080930-81WDWB
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

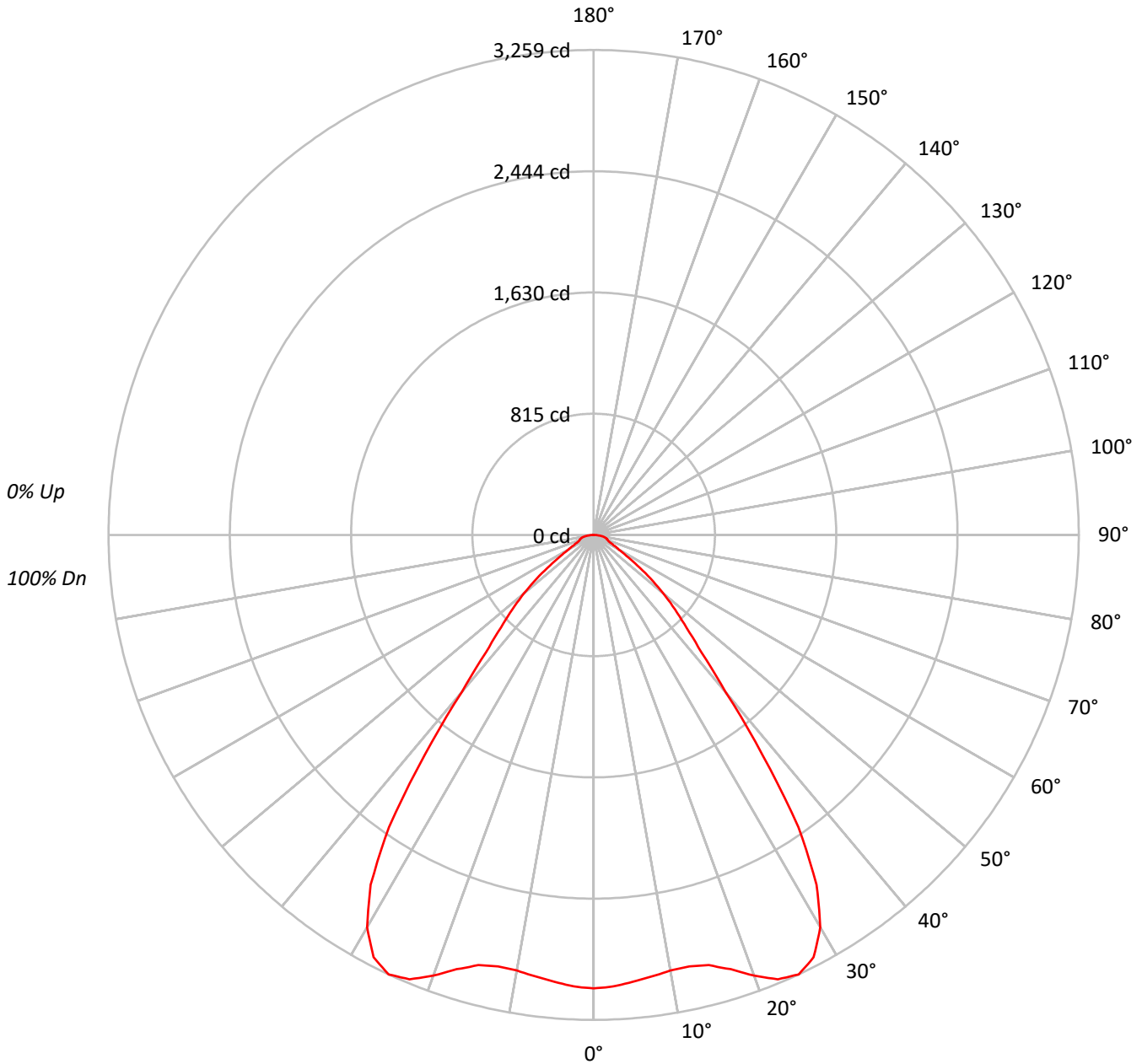
Lumens per Lamp: N/A
Luminaire Lumens: 5350.6 lumens
Efficiency: N/A
Efficacy: 95.5 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.14
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 56
Input Voltage (V): NR
Input Current (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: P585149
CATALOG NUMBER: HCC8W60D010MB-HM86080930-81WDWB

Luminous Intensity Polar Plot





TEST NUMBER: P585149
 CATALOG NUMBER: HCC8W60D010MB-HM86080930-81WDWB

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	93971
5°	93324
10°	93081
15°	95523
20°	103411
25°	110871
30°	108390
35°	90256
40°	55450
45°	38393
50°	29297
55°	19209
60°	12020
65°	9004
70°	9079
75°	10461
80°	11525
85°	10367



TEST NUMBER: P585149

CATALOG NUMBER: HCC8W60D010MB-HM86080930-81WDWB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	286.5	5.4
10°-20°	858.9	16.1
20°-30°	1478.7	27.6
30°-40°	1432.6	26.8
40°-50°	705.6	13.2
50°-60°	333.0	6.2
60°-70°	131.2	2.5
70°-80°	90.5	1.7
80°-90°	33.6	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°	2624.1	49.0
0°-40°	4056.7	75.8
0°-60°	5095.3	95.2
0°-90°	5350.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5350.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3047	
5°	3015	286
15°	2992	859
25°	3259	1479
35°	2398	1433
45°	880	706
55°	357	333
65°	123	131
75°	88	91
85°	29	34
90°	0	



TEST NUMBER: P585149
CATALOG NUMBER: HCC8W60D010MB-HM86080930-81WDWB

CANDELA DISTRIBUTION (FULL):

0°	
0°	3047.4
2.5°	3037.6
5°	3014.9
7.5°	2992.2
10°	2972.7
12.5°	2969.4
15°	2992.2
17.5°	3060.3
20°	3151.3
22.5°	3232.5
25°	3258.6
27.5°	3200.1
30°	3044.1
32.5°	2787.4
35°	2397.6
37.5°	1861.6
40°	1377.5
42.5°	1068.9
45°	880.4
47.5°	740.7
50°	610.7
52.5°	480.9
55°	357.3
57.5°	259.9
60°	194.9
62.5°	152.7
65°	123.4
67.5°	107.3
70°	100.7
72.5°	94.2
75°	87.8
77.5°	78.0
80°	64.9
82.5°	48.8
85°	29.3
87.5°	13.0
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)