

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: P584741

Luminaire Tested: **HCC8W45D010SL-HM82555930-81WDWB**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P584741
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: HCC8W45D010SL-HM82555930-81WDWB
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

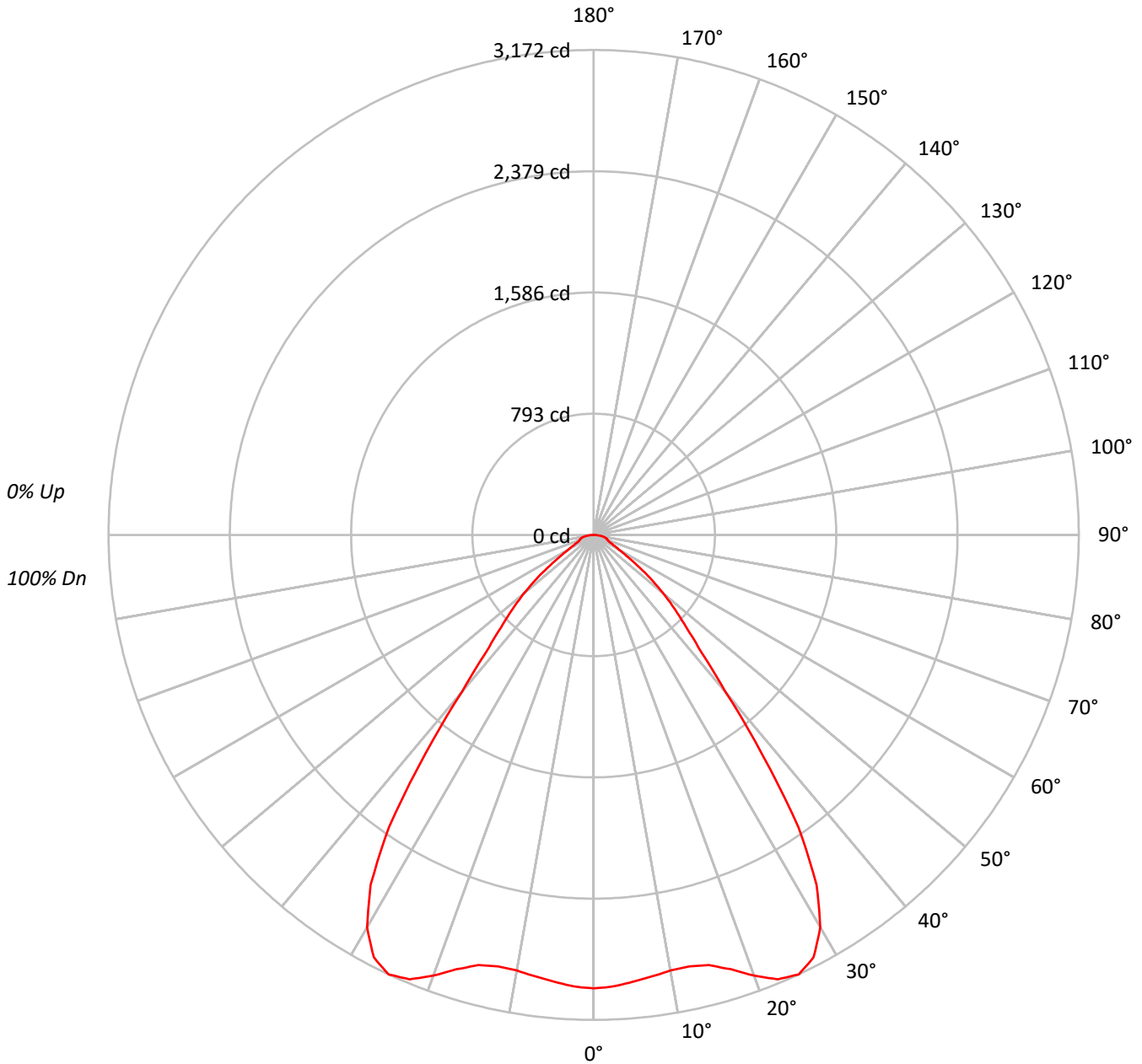
Lumens per Lamp: N/A
Luminaire Lumens: 5207.8 lumens
Efficiency: N/A
Efficacy: 118.4 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.14
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 44
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: P584741
CATALOG NUMBER: HCC8W45D010SL-HM82555930-81WDWB

Luminous Intensity Polar Plot





TEST NUMBER: P584741
 CATALOG NUMBER: HCC8W45D010SL-HM82555930-81WDWB

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°	91461
5°	90832
10°	90595
15°	92969
20°	100651
25°	107911
30°	105499
35°	87846
40°	53968
45°	37369
50°	28520
55°	18698
60°	11699
65°	8763
70°	8845
75°	10175
80°	11223
85°	10084



TEST NUMBER: P584741
 CATALOG NUMBER: HCC8W45D010SL-HM82555930-81WDWB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	278.8	5.4
10°-20°	836.0	16.1
20°-30°	1439.2	27.6
30°-40°	1394.3	26.8
40°-50°	686.8	13.2
50°-60°	324.1	6.2
60°-70°	127.7	2.5
70°-80°	88.1	1.7
80°-90°	32.7	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°	2554.0	49.0
0°-40°	3948.3	75.8
0°-60°	4959.2	95.2
0°-90°	5207.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5207.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2966	
5°	2934	279
15°	2912	836
25°	3172	1439
35°	2334	1394
45°	857	687
55°	348	324
65°	120	128
75°	85	88
85°	28	33
90°	0	



TEST NUMBER: P584741
CATALOG NUMBER: HCC8W45D010SL-HM82555930-81WDWB

CANDELA DISTRIBUTION (FULL):

	0°
0°	2966.0
2.5°	2956.5
5°	2934.4
7.5°	2912.2
10°	2893.3
12.5°	2890.2
15°	2912.2
17.5°	2978.6
20°	3067.2
22.5°	3146.2
25°	3171.6
27.5°	3114.5
30°	2962.9
32.5°	2713.0
35°	2333.6
37.5°	1811.8
40°	1340.7
42.5°	1040.3
45°	856.9
47.5°	720.9
50°	594.5
52.5°	468.0
55°	347.8
57.5°	253.0
60°	189.7
62.5°	148.6
65°	120.1
67.5°	104.4
70°	98.1
72.5°	91.7
75°	85.4
77.5°	75.9
80°	63.2
82.5°	47.4
85°	28.5
87.5°	12.7
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)