

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: P582586

Luminaire Tested: **HCC6S45D010MW-HM64560830-61WDBB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582586
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-11)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6S45D010MW-HM64560830-61WDBB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, BLACK BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

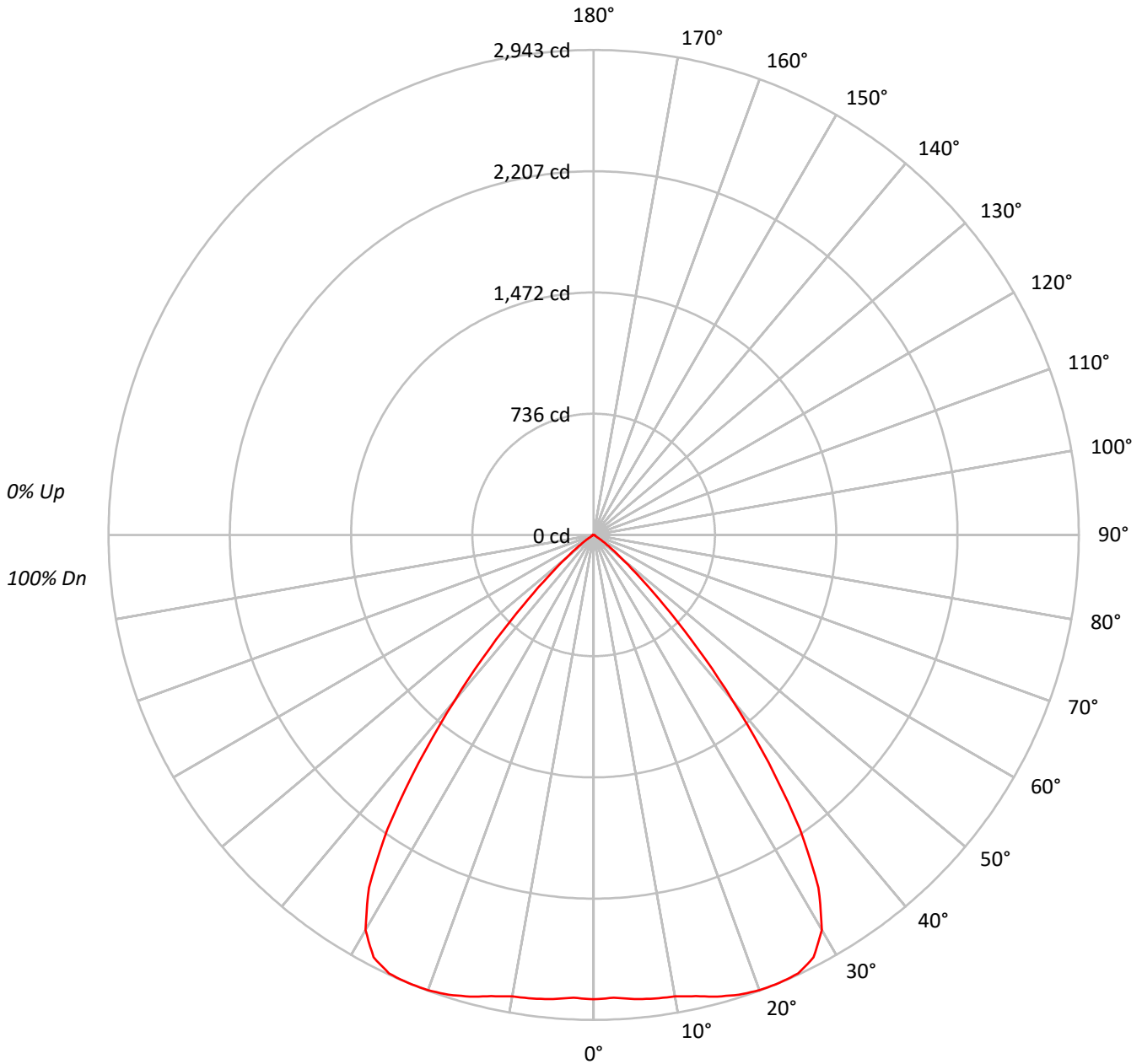
Lumens per Lamp: N/A
Luminaire Lumens: 4349.4 lumens
Efficiency: N/A
Efficacy: 98.9 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.14
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 44
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: P582586
CATALOG NUMBER: HCC6S45D010MW-HM64560830-61WDBB

Luminous Intensity Polar Plot





TEST NUMBER: P582586
 CATALOG NUMBER: HCC6S45D010MW-HM64560830-61WDBB

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92			92																
2	107	101	97	93	104	100	95	92	96	93	90	93	91	88	90	88	86	85			85																
3	100	93	88	83	98	92	87	83	89	85	81	87	83	80	84	81	79	77			77																
4	95	86	80	75	93	85	79	75	83	78	74	81	77	73	79	75	72	71			71																
5	89	80	73	68	87	79	73	68	77	72	67	75	70	67	73	69	66	65			65																
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59			59																
7	79	68	62	57	77	68	61	57	66	61	57	65	60	56	64	59	56	54			54																
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	50			50																
9	70	59	53	48	69	59	53	48	58	52	48	57	52	48	56	51	48	46			46																
10	66	56	49	45	65	55	49	45	54	48	45	53	48	44	53	48	44	43			43																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	154467
5°	155602
10°	158319
15°	164592
20°	171497
25°	177615
30°	175236
35°	146006
40°	93633
45°	46749
50°	18549
55°	6298
60°	1798
65°	1284
70°	1058
75°	1398
80°	1042
85°	0



TEST NUMBER: P582586
 CATALOG NUMBER: HCC6S45D010MW-HM64560830-61WDBB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	270.4	6.2
10°-20°	822.5	18.9
20°-30°	1343.1	30.9
30°-40°	1316.6	30.3
40°-50°	504.8	11.6
50°-60°	74.1	1.7
60°-70°	11.0	0.3
70°-80°	5.7	0.1
80°-90°	1.3	0.0
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°	2436.0	56.0
0°-40°	3752.6	86.3
0°-60°	4331.5	99.6
0°-90°	4349.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4349.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2818	
5°	2828	270
15°	2900	823
25°	2936	1343
35°	2182	1317
45°	603	505
55°	66	74
65°	10	11
75°	7	6
85°	0	1
90°	0	



TEST NUMBER: P582586
CATALOG NUMBER: HCC6S45D010MW-HM64560830-61WDBB

CANDELA DISTRIBUTION (FULL):

	0°
0°	2817.7
2.5°	2811.1
5°	2827.6
7.5°	2837.5
10°	2844.1
12.5°	2867.2
15°	2900.1
17.5°	2926.4
20°	2939.7
22.5°	2942.9
25°	2936.4
27.5°	2890.2
30°	2768.3
32.5°	2537.6
35°	2181.7
37.5°	1743.3
40°	1308.4
42.5°	932.7
45°	603.0
47.5°	369.1
50°	217.5
52.5°	125.3
55°	65.9
57.5°	29.7
60°	16.4
62.5°	13.1
65°	9.9
67.5°	9.9
70°	6.6
72.5°	6.6
75°	6.6
77.5°	3.3
80°	3.3
82.5°	3.3
85°	0.0
87.5°	0.0
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)