

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: P582572

Luminaire Tested: **HCC6S45D010MB-HM64560827-61WDWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582572
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6S45D010MB-HM64560827-61WDWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

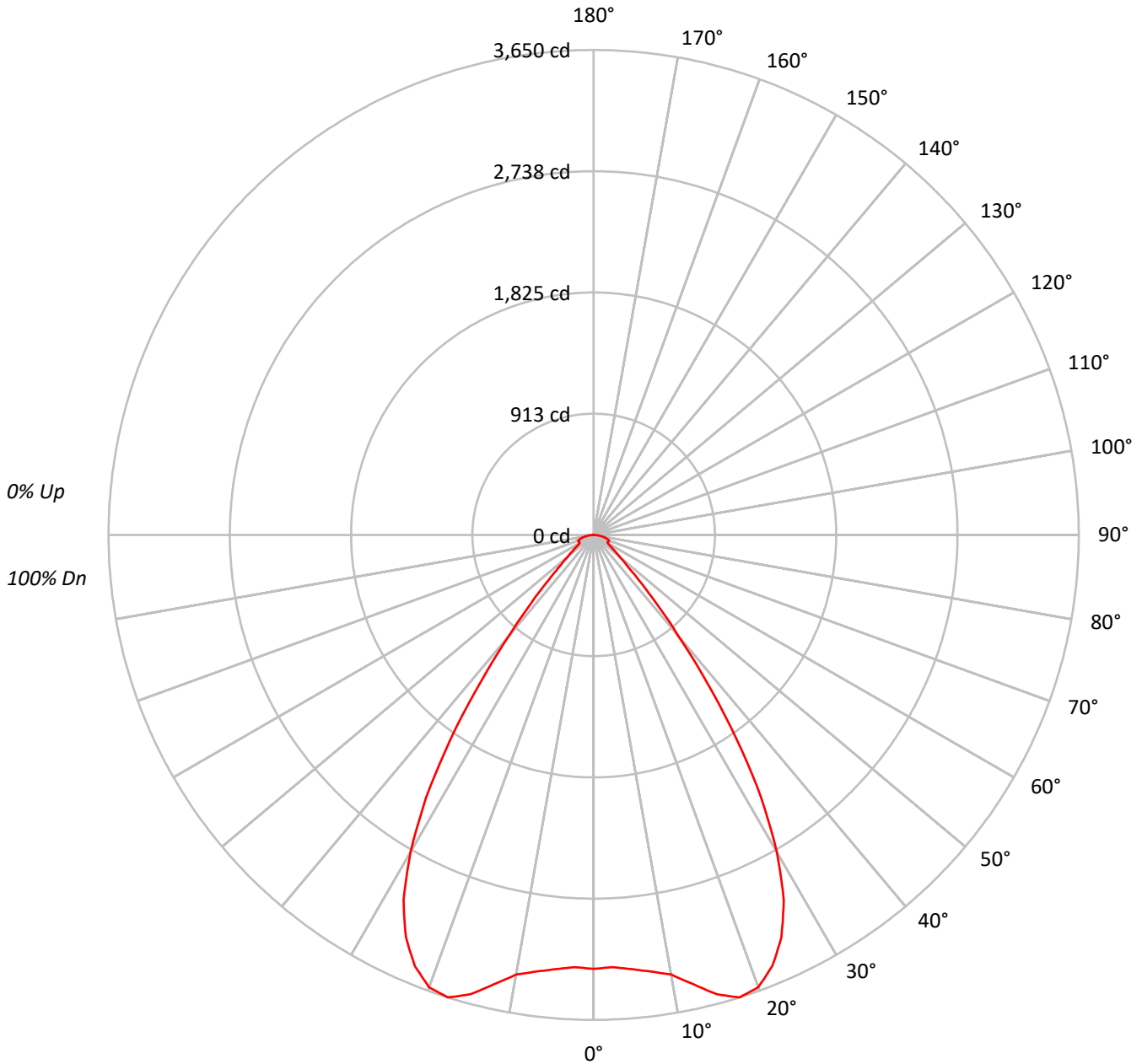
Lumens per Lamp: N/A
Luminaire Lumens: 4799.4 lumens
Efficiency: N/A
Efficacy: 109.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.05
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P582572
CATALOG NUMBER: HCC6S45D010MB-HM64560827-61WDWB

Luminous Intensity Polar Plot





TEST NUMBER: P582572
 CATALOG NUMBER: HCC6S45D010MB-HM64560827-61WDWB

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	109	106	103	110	107	104	102	103	100	98		99	97	95		95	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89	86	84	82
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83	80	77	75
4	93	85	78	73	91	83	78	73	81	76	72		79	75	71		77	73	70	69
5	88	78	72	67	86	77	71	66	75	70	66		74	69	65		72	68	65	63
6	83	73	66	61	81	72	66	61	70	65	60		69	64	60		67	63	60	58
7	78	68	61	56	77	67	61	56	66	60	56		64	59	55		63	59	55	54
8	74	63	57	52	73	63	56	52	61	56	52		60	55	51		59	55	51	50
9	70	59	53	48	69	59	52	48	58	52	48		57	51	48		56	51	48	46
10	66	56	49	45	65	55	49	45	54	48	45		53	48	44		53	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	179004
5°	180525
10°	187032
15°	203157
20°	211319
25°	202119
30°	174432
35°	125601
40°	70754
45°	36670
50°	21859
55°	15751
60°	13387
65°	15449
70°	19571
75°	20694
80°	20205
85°	19184



TEST NUMBER: P582572
 CATALOG NUMBER: HCC6S45D010MB-HM64560827-61WDWB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	315.7	6.6
10°-20°	1009.6	21.0
20°-30°	1509.0	31.4
30°-40°	1153.5	24.0
40°-50°	402.9	8.4
50°-60°	153.5	3.2
60°-70°	120.5	2.5
70°-80°	101.9	2.1
80°-90°	32.8	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°	2834.3	59.1
0°-40°	3987.8	83.1
0°-60°	4544.3	94.7
0°-90°	4799.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4799.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3265	
5°	3280	316
15°	3580	1010
25°	3342	1509
35°	1877	1154
45°	473	403
55°	165	154
65°	119	121
75°	98	102
85°	30	33
90°	0	



TEST NUMBER: P582572
CATALOG NUMBER: HCC6S45D010MB-HM64560827-61WDWB

CANDELA DISTRIBUTION (FULL):

	0°
0°	3265.3
2.5°	3256.1
5°	3280.5
7.5°	3314.1
10°	3359.9
12.5°	3463.6
15°	3579.6
17.5°	3649.8
20°	3622.3
22.5°	3512.4
25°	3341.5
27.5°	3097.4
30°	2755.6
32.5°	2346.7
35°	1876.8
37.5°	1391.5
40°	988.7
42.5°	692.8
45°	473.0
47.5°	332.7
50°	256.3
52.5°	201.4
55°	164.8
57.5°	134.3
60°	122.1
62.5°	119.1
65°	119.1
67.5°	125.2
70°	122.1
72.5°	113.0
75°	97.7
77.5°	82.3
80°	64.0
82.5°	45.7
85°	30.5
87.5°	12.2
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)