

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P766964

Luminaire Tested: LD6D45BD010-EU6DR6540509035-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P766964
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D45BD010-EU6DR6540509035-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4343.2 lumens
Efficiency: N/A
Efficacy: 112.2 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' x H: 0')
CIE Type: Direct

Input Watts (W): 38.7
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: 24 FT

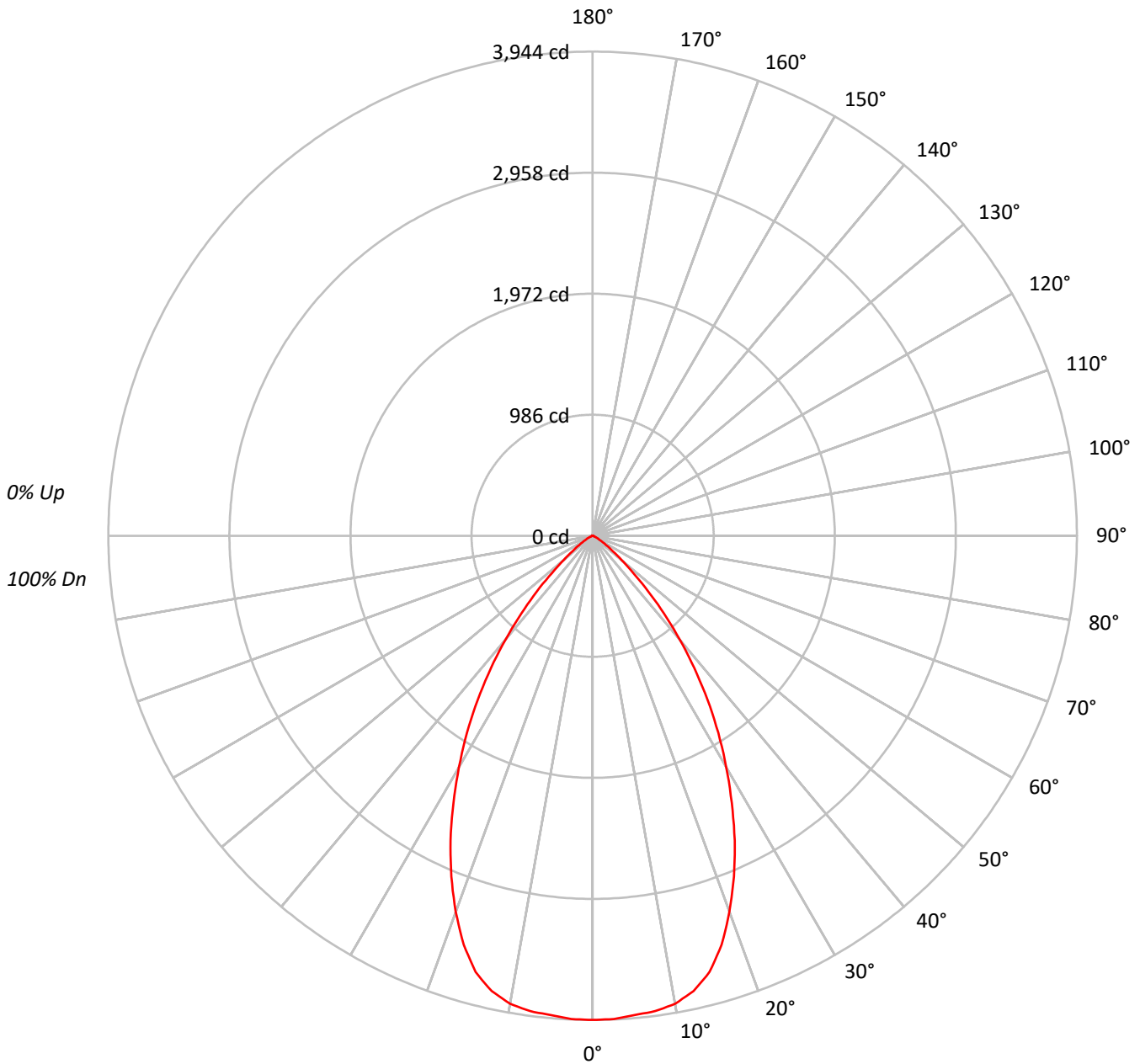


Downlight

TEST NUMBER: P766964

CATALOG NUMBER: LD6D45BD010-EU6DR6540509035-6LBS1MW

Luminous Intensity Polar Plot





TEST NUMBER: P766964

CATALOG NUMBER: LD6D45BD010-EU6DR6540509035-6LBS1MW

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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93		
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85		
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78		
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72		
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66		
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61		
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56		
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52		
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49		
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	230316
5°	229736
10°	229539
15°	222460
20°	202523
25°	176486
30°	146788
35°	116308
40°	83941
45°	53035
50°	27640
55°	14693
60°	7721
65°	4243
70°	1776
75°	1963
80°	1379
85°	1139

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 53035 cd/sqm



TEST NUMBER: P766964

CATALOG NUMBER: LD6D45BD010-EU6DR6540509035-6LBS1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	372.9	8.6
10°-20°	1021.2	23.5
20°-30°	1248.3	28.7
30°-40°	1012.8	23.3
40°-50°	504.7	11.6
50°-60°	140.8	3.2
60°-70°	32.0	0.7
70°-80°	8.3	0.2
80°-90°	2.1	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°	2642.4	60.8
0°-40°	3655.2	84.2
0°-60°	4300.7	99.0
0°-90°	4343.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4343.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3944	
5°	3919	373
15°	3679	1021
25°	2739	1248
35°	1631	1013
45°	642	505
55°	144	141
65°	31	32
75°	9	8
85°	2	2
90°	0	



TEST NUMBER: P766964

CATALOG NUMBER: LD6D45BD010-EU6DR6540509035-6LBS1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	3943.5
2.5°	3940.6
5°	3918.6
7.5°	3905.8
10°	3870.5
12.5°	3798.6
15°	3679.2
17.5°	3492.6
20°	3258.5
22.5°	3005.9
25°	2738.7
27.5°	2453.0
30°	2176.6
32.5°	1903.7
35°	1631.3
37.5°	1359.5
40°	1101.0
42.5°	858.8
45°	642.1
47.5°	447.4
50°	304.2
52.5°	209.8
55°	144.3
57.5°	97.4
60°	66.1
62.5°	45.8
65°	30.7
67.5°	15.6
70°	10.4
72.5°	9.9
75°	8.7
77.5°	5.8
80°	4.1
82.5°	2.9
85°	1.7
87.5°	1.2
90°	0.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



— 0°-180°

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)