

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: P766886

Luminaire Tested: LD6D45BD010-EU6DR6040509035-6LBS1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P766886  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-60)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D45BD010-EU6DR6040509035-6LBS1MW  
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4971.3 lumens  
Efficiency: N/A  
Efficacy: 128.5 lumens/watt  
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 38.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

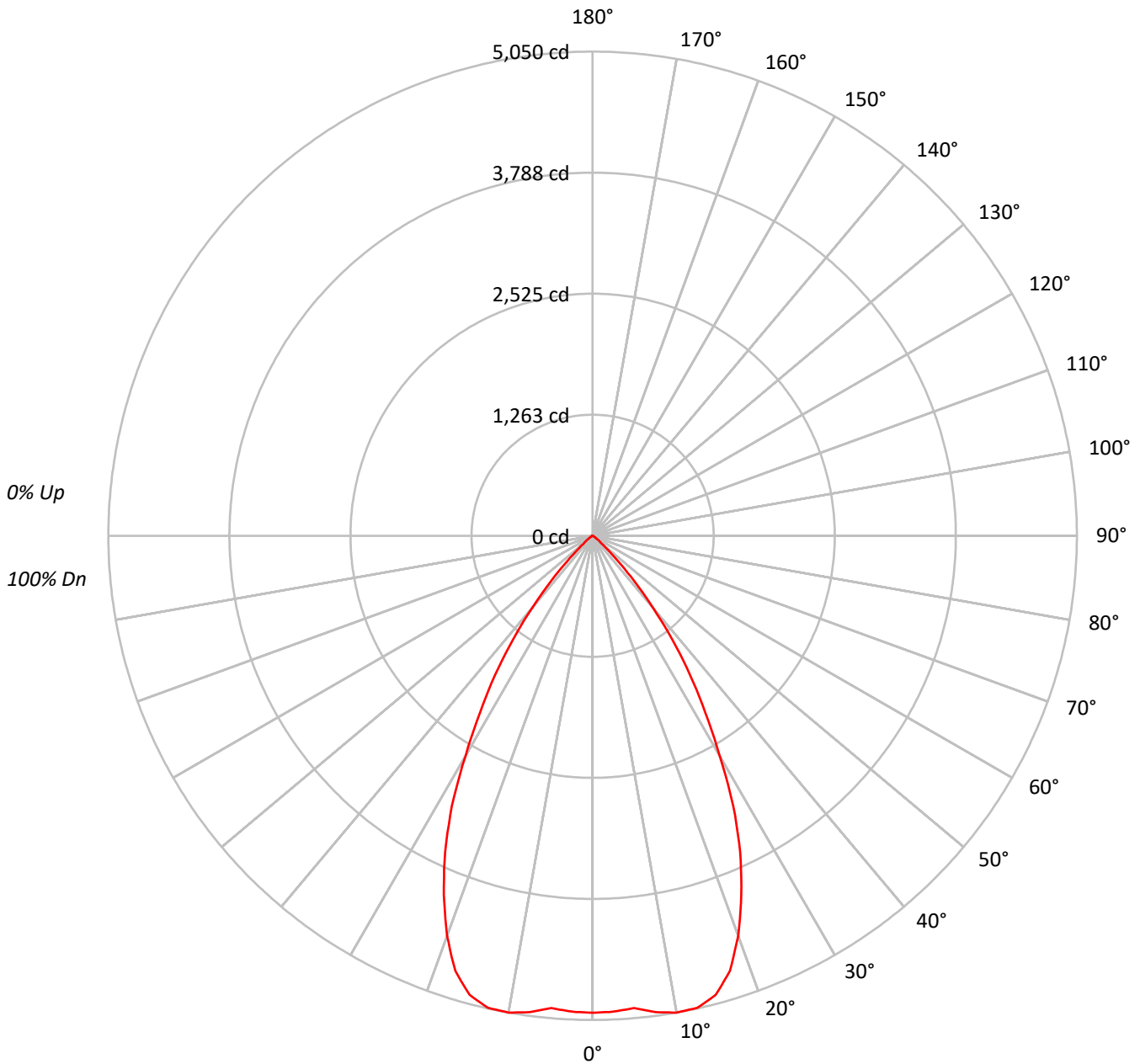


Downlight

TEST NUMBER: P766886

CATALOG NUMBER: LD6D45BD010-EU6DR6040509035-6LBS1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P766886

CATALOG NUMBER: LD6D45BD010-EU6DR6040509035-6LBS1MW

**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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94
2	108	103	99	96	106	101	98	95	98	95	92	95	93	90	92	90	89	87
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81
4	97	90	84	80	95	88	83	79	86	82	78	84	81	78	82	79	77	75
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70
6	87	79	73	68	86	78	72	68	76	71	68	75	70	67	74	70	67	65
7	83	74	68	63	82	73	67	63	72	67	63	71	66	63	69	65	62	61
8	79	69	63	59	78	69	63	59	68	63	59	67	62	59	66	61	58	57
9	75	65	59	55	74	65	59	55	64	59	55	63	58	55	62	58	55	53
10	72	62	56	52	71	61	56	52	61	55	52	60	55	52	59	55	52	50

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	543561
5°	542238
10°	560245
15°	560824
20°	516019
25°	438908
30°	334434
35°	236501
40°	138879
45°	56044
50°	18715
55°	9010
60°	3693
65°	543
70°	0
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 56044 cd/sqm



TEST NUMBER: P766886

CATALOG NUMBER: LD6D45BD010-EU6DR6040509035-6LBS1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	476.9	9.6
10°-20°	1373.5	27.6
20°-30°	1643.9	33.1
30°-40°	1099.6	22.1
40°-50°	326.0	6.6
50°-60°	46.9	0.9
60°-70°	4.5	0.1
70°-80°	0.0	0.0
80°-90°	0.0	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°	3494.4	70.3
0°-40°	4594.0	92.4
0°-60°	4966.9	99.9
0°-90°	4971.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4971.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4975	
5°	4944	477
15°	4958	1374
25°	3641	1644
35°	1773	1100
45°	363	326
55°	47	47
65°	2	4
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P766886

CATALOG NUMBER: LD6D45BD010-EU6DR6040509035-6LBS1MW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4974.9
2.5°	4968.6
5°	4943.9
7.5°	5010.9
10°	5049.7
12.5°	5042.7
15°	4958.0
17.5°	4758.3
20°	4438.0
22.5°	4053.5
25°	3640.7
27.5°	3175.7
30°	2650.8
32.5°	2182.3
35°	1773.1
37.5°	1363.2
40°	973.7
42.5°	642.1
45°	362.7
47.5°	185.6
50°	110.1
52.5°	71.3
55°	47.3
57.5°	30.3
60°	16.9
62.5°	7.1
65°	2.1
67.5°	0.7
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
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)