

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: P791958

Luminaire Tested: LER6D35BD010-EC6DR4520359024-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791958
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D35BD010-EC6DR4520359024-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 45° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3335.9 lumens
Efficiency: N/A
Efficacy: 108.3 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.69
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 30.8
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

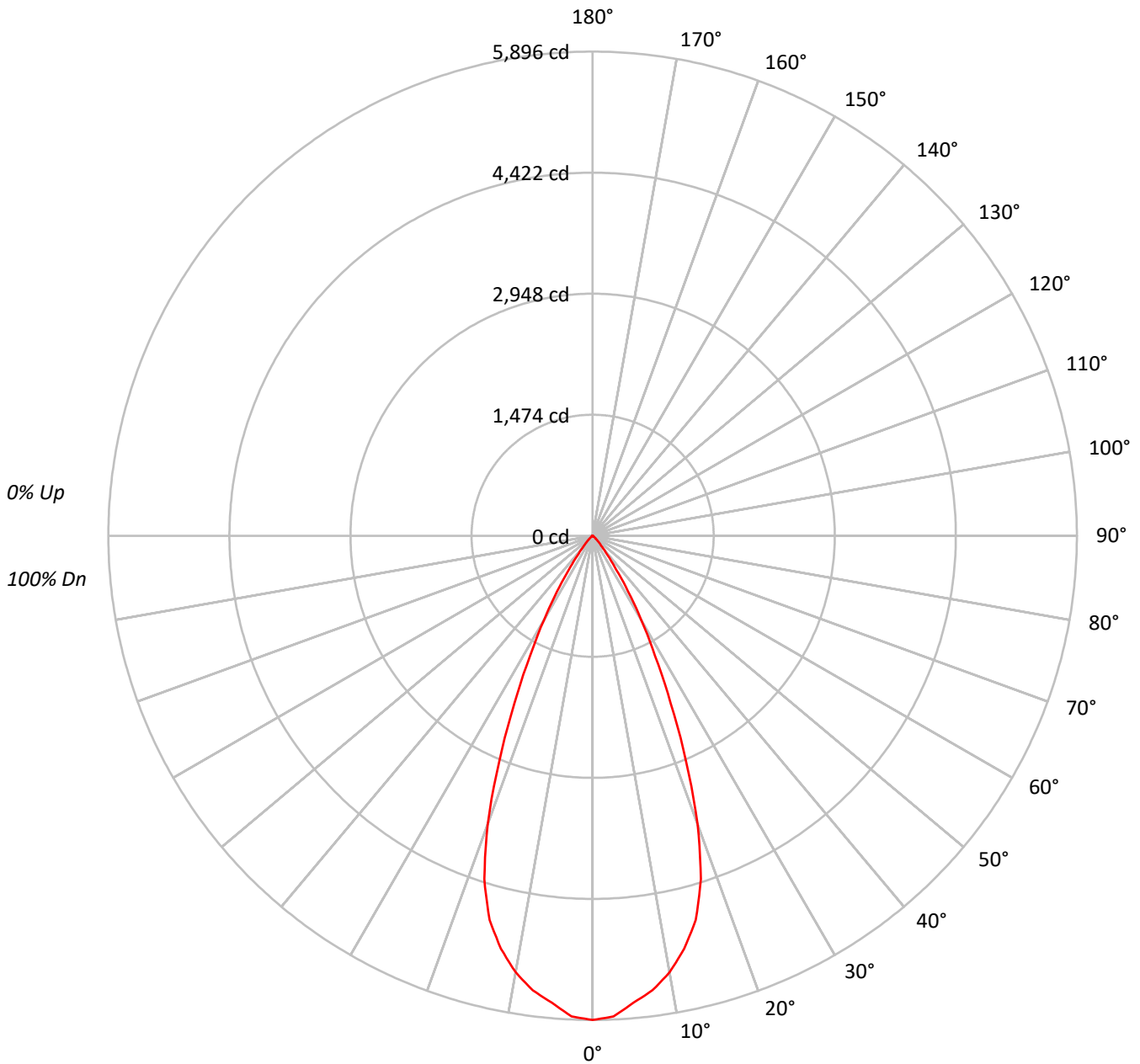


Downlight

TEST NUMBER: P791958

CATALOG NUMBER: LER6D35BD010-EC6DR4520359024-6LBS1MW

Luminous Intensity Polar Plot





TEST NUMBER: P791958

CATALOG NUMBER: LER6D35BD010-EC6DR4520359024-6LBS1MW

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	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	112	110	108	112	110	108	106	106	104	103	102	101	100	98	98	97	95																											
2	109	105	102	99	107	103	100	98	100	98	95	97	95	93	95	93	91	90																											
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	89	87	85																											
4	100	94	89	85	99	93	88	85	91	87	84	89	86	83	87	84	82	81																											
5	96	89	84	80	95	88	83	80	86	82	79	85	81	79	83	80	78	77																											
6	92	85	80	76	91	84	79	76	83	78	75	81	77	75	80	77	74	73																											
7	89	81	75	72	87	80	75	72	79	74	71	78	74	71	77	73	71	69																											
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	66																											
9	82	73	68	65	81	73	68	65	72	68	65	71	67	64	71	67	64	63																											
10	79	70	65	62	78	70	65	62	69	65	62	68	64	61	68	64	61	60																											

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	644212
5°	625878
10°	598788
15°	548020
20°	434768
25°	271432
30°	149605
35°	67172
40°	26458
45°	12470
50°	5915
55°	3086
60°	1530
65°	362
70°	160
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 12470 cd/sqm



TEST NUMBER: P791958

CATALOG NUMBER: LER6D35BD010-EC6DR4520359024-6LBS1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	536.2	16.1
10°-20°	1319.6	39.6
20°-30°	1045.0	31.3
30°-40°	348.0	10.4
40°-50°	69.1	2.1
50°-60°	15.7	0.5
60°-70°	2.3	0.1
70°-80°	0.1	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°	2900.8	87.0
0°-40°	3248.7	97.4
0°-60°	3333.5	99.9
0°-90°	3335.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3335.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5896	
5°	5706	536
15°	4845	1320
25°	2252	1045
35°	504	348
45°	81	69
55°	16	16
65°	1	2
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P791958
CATALOG NUMBER: LER6D35BD010-EC6DR4520359024-6LBS1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	5896.1
2.5°	5857.6
5°	5706.5
7.5°	5581.7
10°	5397.1
12.5°	5151.4
15°	4844.8
17.5°	4383.8
20°	3739.2
22.5°	2971.3
25°	2251.5
27.5°	1648.6
30°	1185.8
32.5°	806.5
35°	503.6
37.5°	298.7
40°	185.5
42.5°	122.0
45°	80.7
47.5°	51.9
50°	34.8
52.5°	23.2
55°	16.2
57.5°	10.7
60°	7.0
62.5°	3.7
65°	1.4
67.5°	0.5
70°	0.5
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)