

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: P792119

Luminaire Tested: LER6D35BD010-EC6DR6020359035-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P792119
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D35BD010-EC6DR6020359035-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3034.7 lumens
Efficiency: N/A
Efficacy: 98.5 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
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

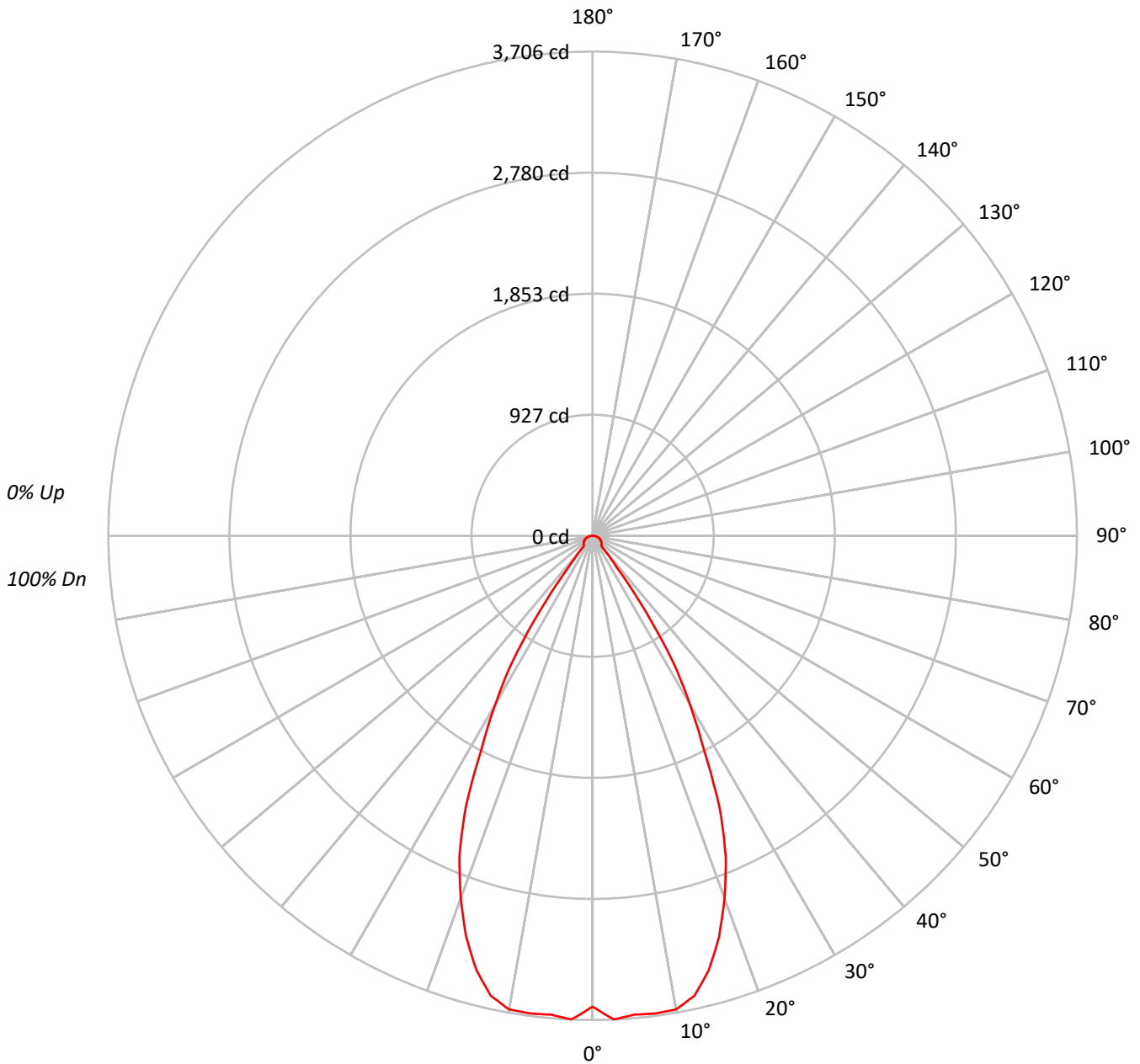


Downlight

TEST NUMBER: P792119

CATALOG NUMBER: LER6D35BD010-EC6DR6020359035-6LBDP1B

Luminous Intensity Polar Plot





TEST NUMBER: P792119

CATALOG NUMBER: LER6D35BD010-EC6DR6020359035-6LBDP1B

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																			
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93																			
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86																			
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80																			
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75																			
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70																			
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66																			
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62																			
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59																			
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55																			
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	393787
5°	403473
10°	408349
15°	389003
20°	342982
25°	277411
30°	187643
35°	94035
40°	15247
45°	14926
50°	15230
55°	15449
60°	15887
65°	16262
70°	16644
75°	16844
80°	16234
85°	13539

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 16844 cd/sqm



TEST NUMBER: P792119

CATALOG NUMBER: LER6D35BD010-EC6DR6020359035-6LBDP1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	351.6	11.6
10°-20°	951.3	31.3
20°-30°	1023.5	33.7
30°-40°	444.9	14.7
40°-50°	74.7	2.5
50°-60°	72.6	2.4
60°-70°	62.2	2.0
70°-80°	41.6	1.4
80°-90°	12.5	0.4
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°	2326.3	76.7
0°-40°	2771.2	91.3
0°-60°	2918.5	96.2
0°-90°	3034.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3034.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3604	
5°	3679	352
15°	3439	951
25°	2301	1023
35°	705	445
45°	97	75
55°	81	73
65°	63	62
75°	40	42
85°	11	12
90°	0	



TEST NUMBER: P792119

CATALOG NUMBER: LER6D35BD010-EC6DR6020359035-6LBDP1B

CANDELA DISTRIBUTION (FULL):

	0°
0°	3604.1
2.5°	3705.5
5°	3678.7
7.5°	3687.2
10°	3680.6
12.5°	3604.6
15°	3439.0
17.5°	3216.7
20°	2949.8
22.5°	2664.2
25°	2301.1
27.5°	1840.5
30°	1487.3
32.5°	1146.3
35°	705.0
37.5°	301.6
40°	106.9
42.5°	98.5
45°	96.6
47.5°	93.3
50°	89.6
52.5°	85.4
55°	81.1
57.5°	76.9
60°	72.7
62.5°	68.0
65°	62.9
67.5°	57.7
70°	52.1
72.5°	46.0
75°	39.9
77.5°	32.8
80°	25.8
82.5°	18.3
85°	10.8
87.5°	3.8
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)