

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: P792201

Luminaire Tested: LER6D35BD010-EC6DR7020359027-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P792201
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D35BD010-EC6DR7020359027-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3912.3 lumens
Efficiency: N/A
Efficacy: 127.0 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
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

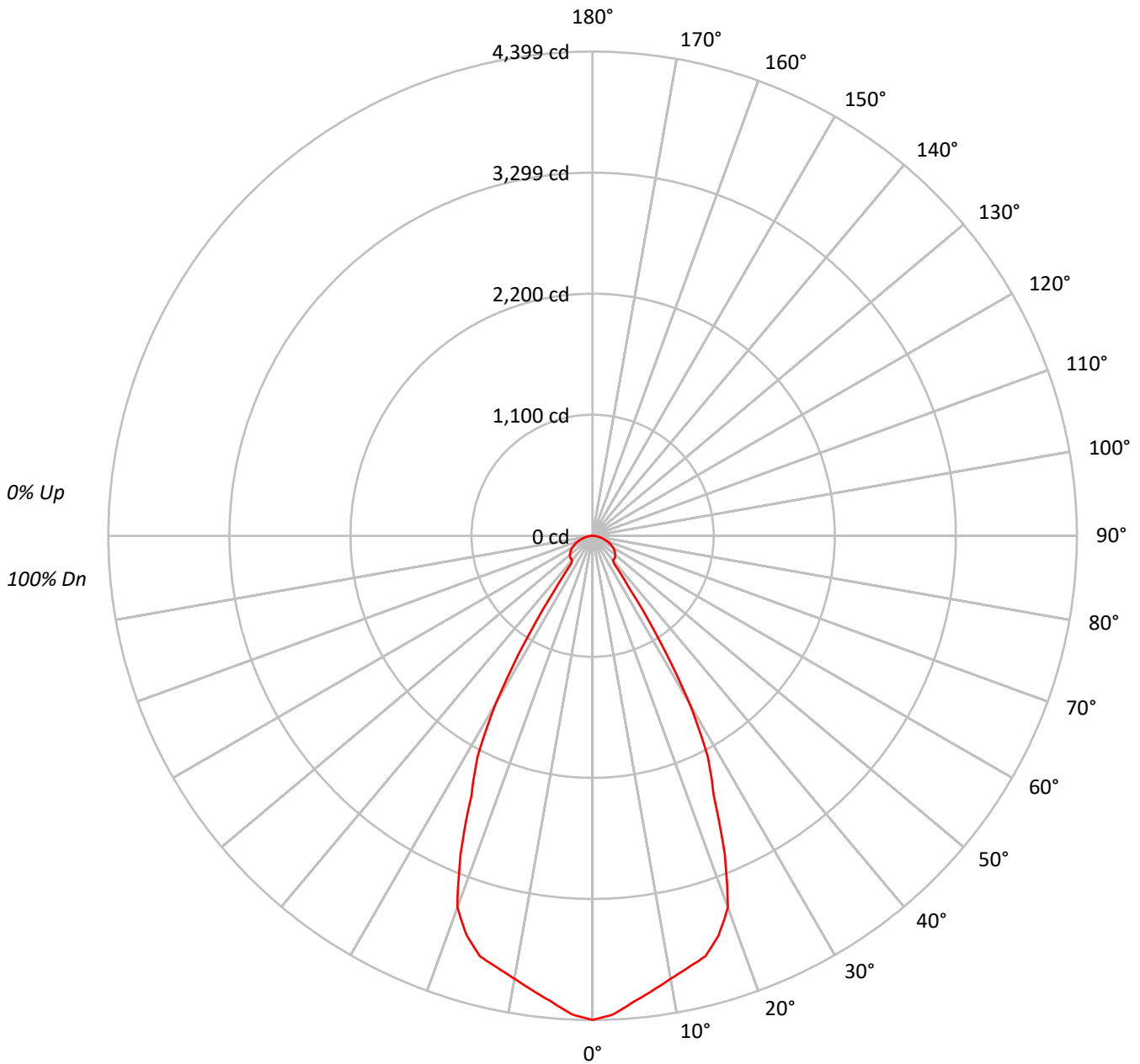


Downlight

TEST NUMBER: P792201

CATALOG NUMBER: LER6D35BD010-EC6DR7020359027-6LBDP1LI

Luminous Intensity Polar Plot





TEST NUMBER: P792201

CATALOG NUMBER: LER6D35BD010-EC6DR7020359027-6LBDP1LI

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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91																			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70																			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65																			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61																			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57																			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53																			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50																			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	480594
5°	466307
10°	453315
15°	447359
20°	417745
25°	313831
30°	221846
35°	78589
40°	41320
45°	44007
50°	45572
55°	46422
60°	46720
65°	45734
70°	43159
75°	39978
80°	35487
85°	28833

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 46730 cd/sqm



TEST NUMBER: P792201

CATALOG NUMBER: LER6D35BD010-EC6DR7020359027-6LBDP1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	401.0	10.3
10°-20°	1100.0	28.1
20°-30°	1211.5	31.0
30°-40°	462.9	11.8
40°-50°	218.5	5.6
50°-60°	217.3	5.6
60°-70°	174.0	4.4
70°-80°	100.0	2.6
80°-90°	27.2	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°	2712.5	69.3
0°-40°	3175.3	81.2
0°-60°	3611.2	92.3
0°-90°	3912.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3912.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4399	
5°	4252	401
15°	3955	1100
25°	2603	1211
35°	589	463
45°	285	219
55°	244	217
65°	177	174
75°	95	100
85°	23	27
90°	0	



TEST NUMBER: P792201

CATALOG NUMBER: LER6D35BD010-EC6DR7020359027-6LBDP1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	4398.6
2.5°	4352.6
5°	4251.6
7.5°	4167.4
10°	4085.9
12.5°	4016.9
15°	3954.9
17.5°	3805.2
20°	3592.8
22.5°	3134.6
25°	2603.2
27.5°	2266.1
30°	1758.4
32.5°	1135.9
35°	589.2
37.5°	318.3
40°	289.7
42.5°	287.6
45°	284.8
47.5°	278.6
50°	268.1
52.5°	256.3
55°	243.7
57.5°	229.8
60°	213.8
62.5°	195.7
65°	176.9
67.5°	156.0
70°	135.1
72.5°	114.2
75°	94.7
77.5°	74.5
80°	56.4
82.5°	39.7
85°	23.0
87.5°	9.1
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)