

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: P792881

Luminaire Tested: LER6D45BD010-EC6DR4040509030-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P792881
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D45BD010-EC6DR4040509030-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 40° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5375.2 lumens
Efficiency: N/A
Efficacy: 138.9 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.6
Luminous Opening: Circular (Dia: 0.35' 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

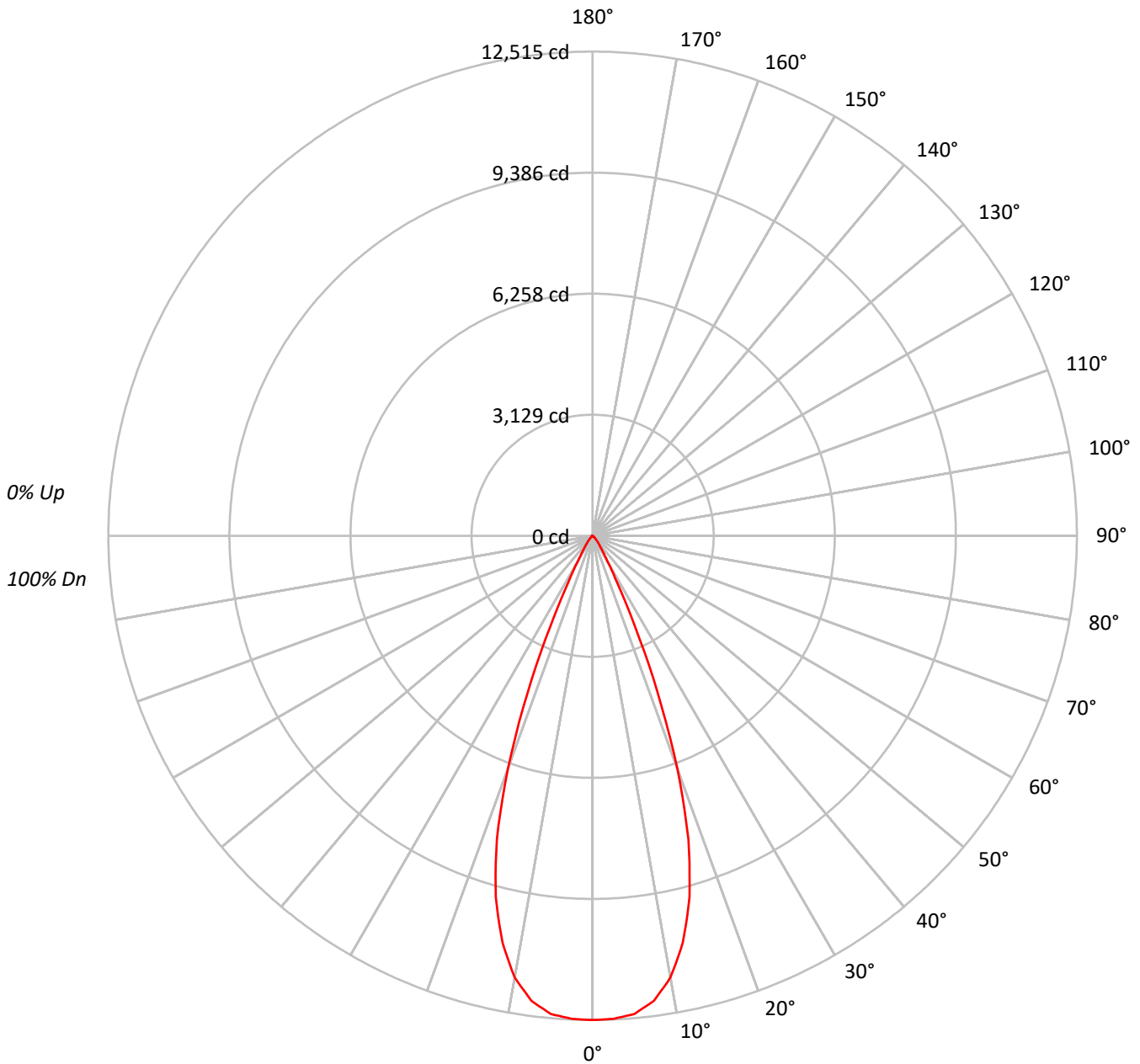


Downlight

TEST NUMBER: P792881

CATALOG NUMBER: LER6D45BD010-EC6DR4040509030-6LBDP1LI

Luminous Intensity Polar Plot





TEST NUMBER: P792881

CATALOG NUMBER: LER6D45BD010-EC6DR4040509030-6LBDP1LI

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	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	97	96																			
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92																			
3	106	101	97	94	104	100	96	93	97	94	92	95	93	90	93	91	89	88																			
4	102	97	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84																			
5	99	92	88	84	97	91	87	84	90	86	83	88	85	83	87	84	82	81																			
6	95	88	84	80	94	88	83	80	86	82	80	85	82	79	84	81	79	77																			
7	92	85	80	77	91	84	80	77	83	79	76	82	79	76	81	78	76	74																			
8	89	82	77	74	88	81	77	74	80	76	73	79	76	73	78	75	73	72																			
9	86	79	74	71	85	78	74	71	77	73	71	76	73	70	76	72	70	69																			
10	83	76	71	68	82	75	71	68	75	71	68	74	70	68	73	70	68	67																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1367366
5°	1360722
10°	1286178
15°	1093415
20°	745239
25°	310950
30°	97777
35°	45444
40°	25131
45°	11527
50°	5592
55°	3067
60°	1595
65°	569
70°	224
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 11527 cd/sqm



TEST NUMBER: P792881

CATALOG NUMBER: LER6D45BD010-EC6DR4040509030-6LBDP1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1158.5	21.6
10°-20°	2595.3	48.3
20°-30°	1299.1	24.2
30°-40°	238.2	4.4
40°-50°	65.7	1.2
50°-60°	15.4	0.3
60°-70°	3.0	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°	5052.8	94.0
0°-40°	5291.0	98.4
0°-60°	5372.1	99.9
0°-90°	5375.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5375.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12515	
5°	12406	###
15°	9666	2595
25°	2579	1299
35°	341	238
45°	75	66
55°	16	15
65°	2	3
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P792881

CATALOG NUMBER: LER6D45BD010-EC6DR4040509030-6LBDP1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	12514.7
2.5°	12496.5
5°	12406.5
7.5°	12120.0
10°	11592.8
12.5°	10771.1
15°	9666.4
17.5°	8229.8
20°	6409.4
22.5°	4369.7
25°	2579.3
27.5°	1363.5
30°	775.0
32.5°	500.8
35°	340.7
37.5°	243.5
40°	176.2
42.5°	120.6
45°	74.6
47.5°	47.5
50°	32.9
52.5°	23.4
55°	16.1
57.5°	10.2
60°	7.3
62.5°	4.4
65°	2.2
67.5°	1.5
70°	0.7
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)