

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P793171

Luminaire Tested: LER6D45BD010-EC6DR7040509030-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P793171
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-76)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D45BD010-EC6DR7040509030-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4849.9 lumens
Efficiency: N/A
Efficacy: 125.3 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.1 / 1.04
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

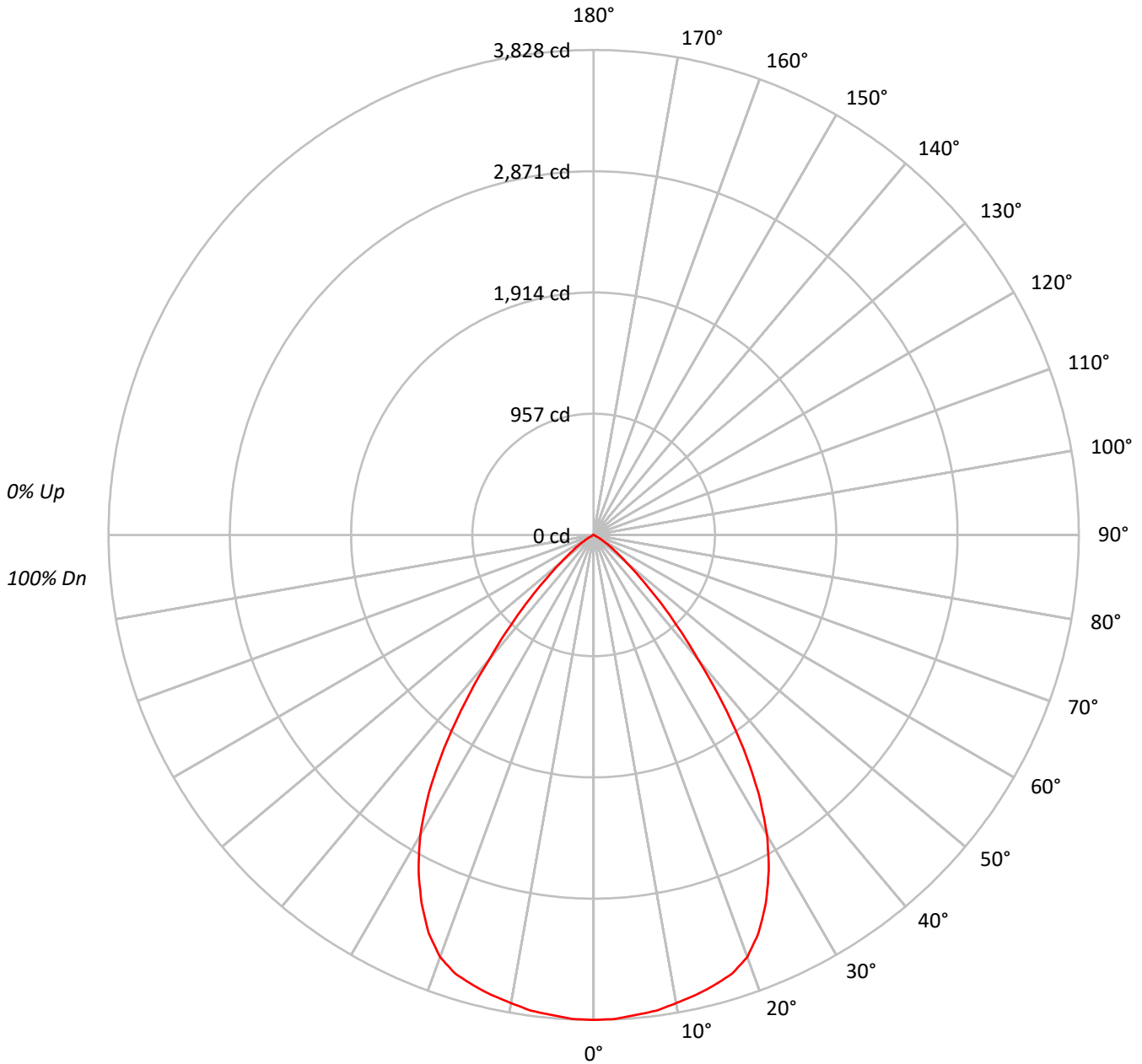
Input Watts (W): 38.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P793171
CATALOG NUMBER: LER6D45BD010-EC6DR7040509030-6LBS1B

Luminous Intensity Polar Plot





TEST NUMBER: P793171

CATALOG NUMBER: LER6D45BD010-EC6DR7040509030-6LBS1B

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	107	105	111	108	106	103	104	102	100	100	99	97	97	95	94	93																			
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85																			
3	101	94	88	84	99	92	87	83	90	85	82	87	84	81	85	82	79	78																			
4	95	87	81	76	93	86	80	76	83	78	75	81	77	74	79	76	73	71																			
5	89	80	74	69	88	79	73	69	78	72	68	76	71	68	74	70	67	65																			
6	84	75	68	63	83	74	68	63	72	67	63	71	66	62	69	65	62	60																			
7	80	69	63	58	78	69	62	58	67	62	58	66	61	57	65	61	57	56																			
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51																			
9	71	61	54	50	70	60	54	50	59	53	50	58	53	49	57	53	49	48																			
10	67	57	50	46	66	56	50	46	55	50	46	55	50	46	54	49	46	44																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	418250
5°	417205
10°	416304
15°	416184
20°	412118
25°	387129
30°	345133
35°	275169
40°	182709
45°	109229
50°	56637
55°	29774
60°	10533
65°	181
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 109229 cd/sqm



TEST NUMBER: P793171

CATALOG NUMBER: LER6D45BD010-EC6DR7040509030-6LBS1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	361.7	7.5
10°-20°	1037.5	21.4
20°-30°	1463.6	30.2
30°-40°	1263.5	26.1
40°-50°	565.8	11.7
50°-60°	148.1	3.1
60°-70°	9.6	0.2
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°	2862.9	59.0
0°-40°	4126.3	85.1
0°-60°	4840.3	99.8
0°-90°	4849.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4849.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3828	
5°	3804	362
15°	3679	1038
25°	3211	1464
35°	2063	1263
45°	707	566
55°	156	148
65°	1	10
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P793171

CATALOG NUMBER: LER6D45BD010-EC6DR7040509030-6LBS1B

CANDELA DISTRIBUTION (FULL):

	0°
0°	3828.0
2.5°	3823.9
5°	3803.9
7.5°	3787.4
10°	3752.3
12.5°	3720.6
15°	3679.3
17.5°	3631.8
20°	3544.4
22.5°	3400.5
25°	3211.2
27.5°	2991.6
30°	2735.6
32.5°	2422.4
35°	2063.0
37.5°	1666.5
40°	1281.0
42.5°	973.3
45°	706.9
47.5°	487.4
50°	333.2
52.5°	229.9
55°	156.3
57.5°	94.3
60°	48.2
62.5°	15.1
65°	0.7
67.5°	0.0
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)