

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: P793611

Luminaire Tested: LER6D50D010-EC6DR6540509035-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P793611
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D50D010-EC6DR6540509035-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4983.8 lumens
Efficiency: N/A
Efficacy: 106.0 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' x H: 0')
CIE Type: Direct

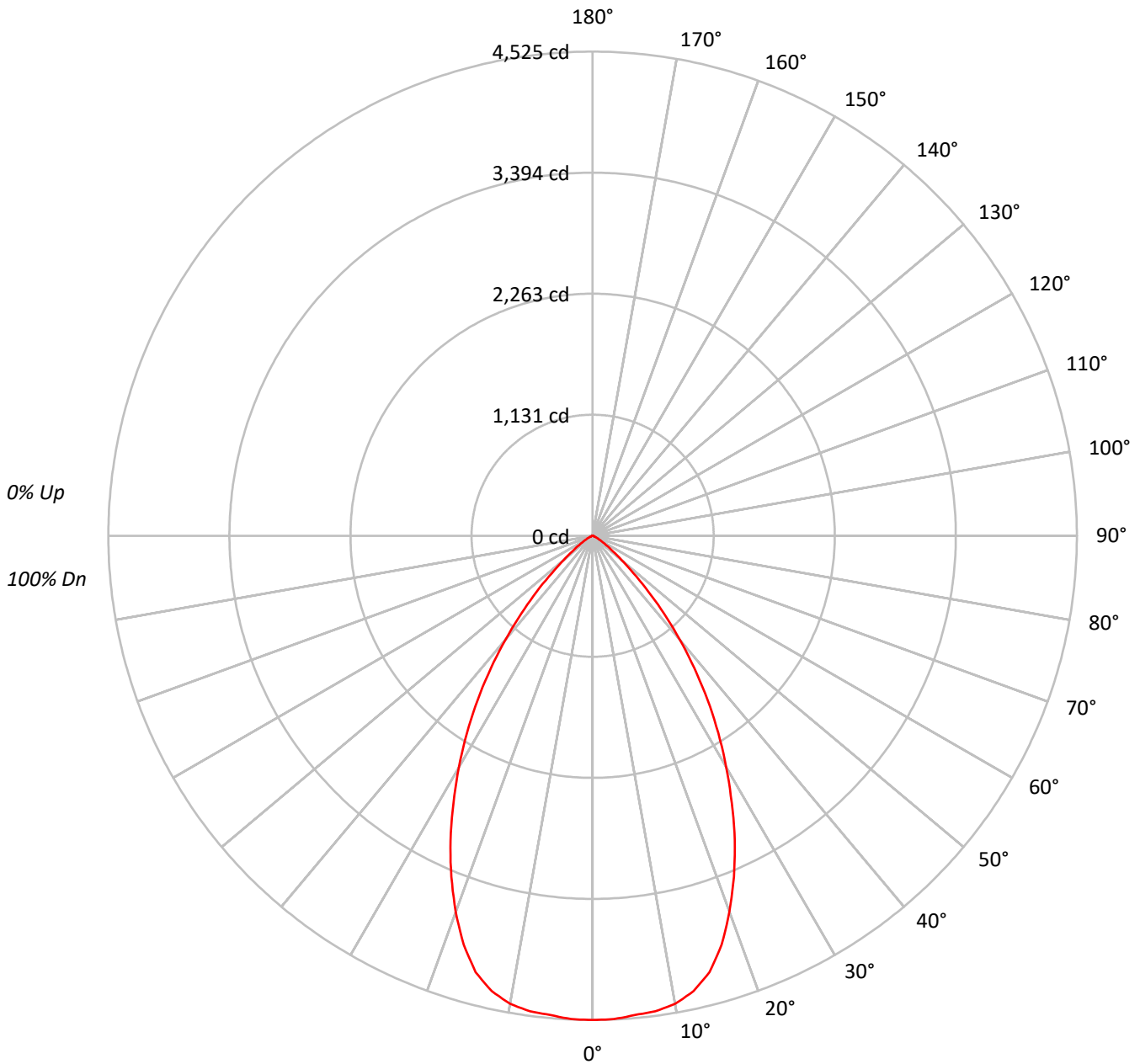
Input Watts (W): 47
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				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	105	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	86	82	87	84	81	85	82	80	78			
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72			
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66			
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61			
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56			
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52			
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49			
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	264289
5°	263622
10°	263397
15°	255280
20°	232399
25°	202520
30°	168442
35°	133463
40°	96330
45°	60856
50°	31719
55°	16862
60°	8854
65°	4864
70°	2049
75°	2257
80°	1581
85°	1340

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 60856 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	427.9	8.6
10°-20°	1171.9	23.5
20°-30°	1432.4	28.7
30°-40°	1162.2	23.3
40°-50°	579.2	11.6
50°-60°	161.5	3.2
60°-70°	36.7	0.7
70°-80°	9.6	0.2
80°-90°	2.4	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°	3032.2	60.8
0°-40°	4194.5	84.2
0°-60°	4935.1	99.0
0°-90°	4983.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4983.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4525	
5°	4497	428
15°	4222	1172
25°	3143	1432
35°	1872	1162
45°	737	579
55°	166	162
65°	35	37
75°	10	10
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4525.2
2.5°	4521.9
5°	4496.6
7.5°	4482.0
10°	4441.4
12.5°	4358.9
15°	4222.0
17.5°	4007.8
20°	3739.2
22.5°	3449.3
25°	3142.7
27.5°	2814.9
30°	2497.7
32.5°	2184.5
35°	1871.9
37.5°	1560.0
40°	1263.5
42.5°	985.5
45°	736.8
47.5°	513.4
50°	349.1
52.5°	240.7
55°	165.6
57.5°	111.7
60°	75.8
62.5°	52.5
65°	35.2
67.5°	18.0
70°	12.0
72.5°	11.3
75°	10.0
77.5°	6.6
80°	4.7
82.5°	3.3
85°	2.0
87.5°	1.3
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

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— 0°-180°

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