

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: P793022

Luminaire Tested: LER6D45BD010-EC6DR5540509027-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P793022
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-52)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D45BD010-EC6DR5540509027-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 55° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4868.0 lumens
Efficiency: N/A
Efficacy: 125.8 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.87
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

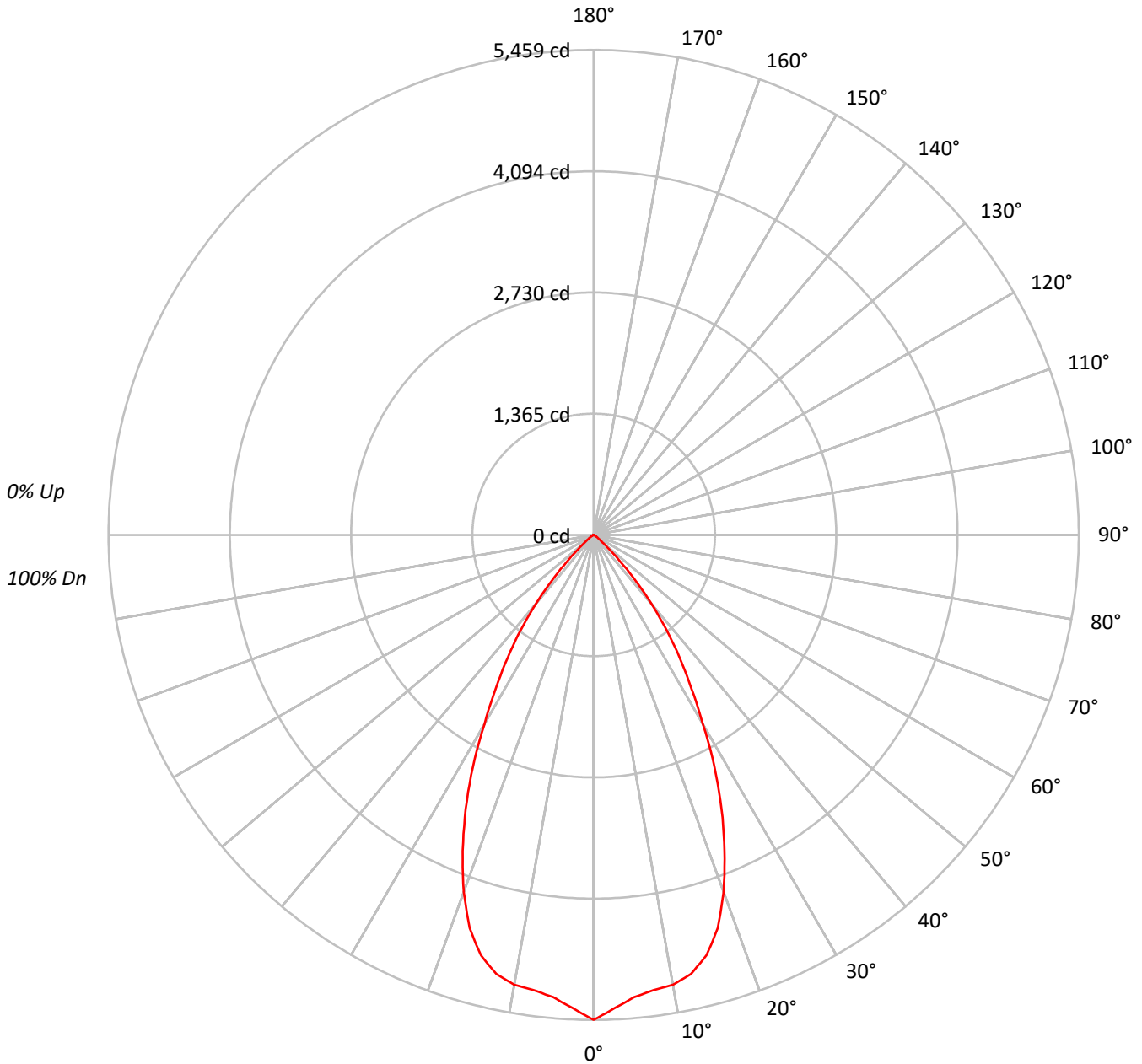
Input Watts (W): 38.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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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	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94				
2	108	103	99	96	106	101	98	95	98	95	92	95	93	90	92	90	89	87				
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81				
4	97	90	84	80	95	88	83	79	86	82	78	84	81	78	82	79	77	75				
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70				
6	88	79	73	68	86	78	72	68	76	71	68	75	70	67	74	70	67	65				
7	83	74	68	64	82	73	67	63	72	67	63	71	66	63	70	65	62	61				
8	79	69	63	59	78	69	63	59	68	63	59	67	62	59	66	62	58	57				
9	75	66	60	56	74	65	59	55	64	59	55	63	58	55	62	58	55	54				
10	72	62	56	52	71	61	56	52	61	56	52	60	55	52	59	55	52	50				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	596422
5°	572739
10°	570575
15°	554185
20°	496904
25°	410674
30°	310211
35°	224923
40°	143942
45°	65747
50°	21502
55°	9277
60°	3999
65°	517
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 65747 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	496.9	10.2
10°-20°	1356.1	27.9
20°-30°	1545.4	31.7
30°-40°	1052.1	21.6
40°-50°	362.5	7.4
50°-60°	50.1	1.0
60°-70°	4.8	0.1
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°	3398.5	69.8
0°-40°	4450.5	91.4
0°-60°	4863.2	99.9
0°-90°	4868.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4868.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5459	
5°	5222	497
15°	4899	1356
25°	3406	1545
35°	1686	1052
45°	426	363
55°	49	50
65°	2	5
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5458.7
2.5°	5333.6
5°	5222.0
7.5°	5167.2
10°	5142.8
12.5°	5061.7
15°	4899.3
17.5°	4641.6
20°	4273.6
22.5°	3848.8
25°	3406.5
27.5°	2945.8
30°	2458.8
32.5°	2046.2
35°	1686.3
37.5°	1344.1
40°	1009.2
42.5°	699.4
45°	425.5
47.5°	229.3
50°	126.5
52.5°	75.1
55°	48.7
57.5°	31.1
60°	18.3
62.5°	8.1
65°	2.0
67.5°	0.7
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

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— 0°-180°

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(END OF REPORT)