

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: P773901

Luminaire Tested: LD6D90BD010-EU6DR6070959035-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773901
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D90BD010-EU6DR6070959035-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11615.1 lumens
Efficiency: N/A
Efficacy: 117.4 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

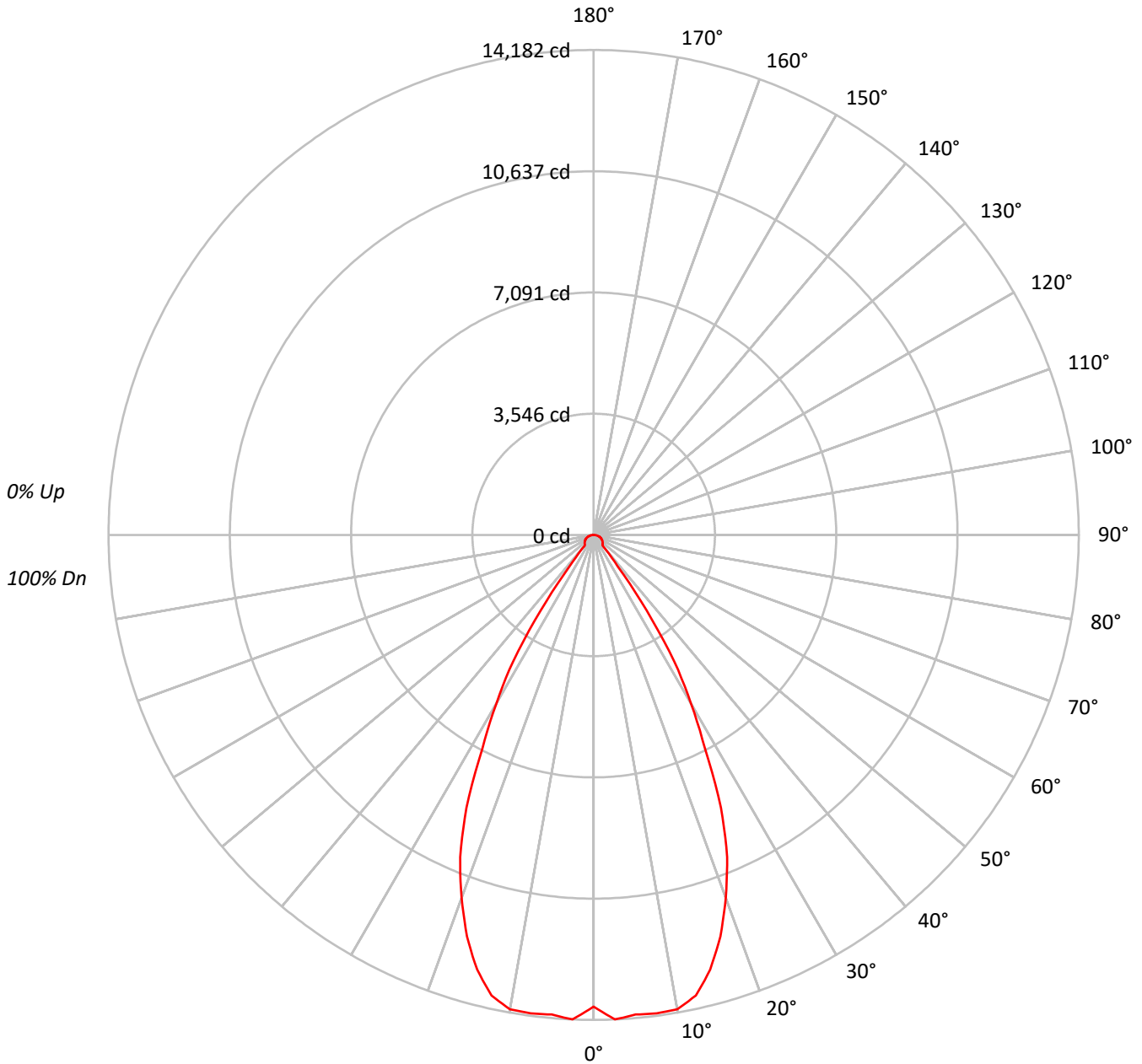
Input Watts (W): 98.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1507176
5°	1544246
10°	1562889
15°	1488866
20°	1312721
25°	1061772
30°	718198
35°	359893
40°	58378
45°	57141
50°	58286
55°	59166
60°	60815
65°	62203
70°	63668
75°	64420
80°	62103
85°	51775

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 64420 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1345.7	11.6
10°-20°	3640.8	31.3
20°-30°	3917.2	33.7
30°-40°	1702.7	14.7
40°-50°	286.0	2.5
50°-60°	278.1	2.4
60°-70°	237.9	2.0
70°-80°	159.1	1.4
80°-90°	47.6	0.4
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°	8903.7	76.7
0°-40°	10606.4	91.3
0°-60°	11170.5	96.2
0°-90°	11615.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11615.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13794	
5°	14080	###
15°	13162	3641
25°	8807	3917
35°	2698	1703
45°	370	286
55°	311	278
65°	241	238
75°	153	159
85°	41	48
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	13794.3
2.5°	14182.1
5°	14079.8
7.5°	14112.1
10°	14086.9
12.5°	13796.1
15°	13162.4
17.5°	12311.5
20°	11290.0
22.5°	10196.7
25°	8807.3
27.5°	7044.4
30°	5692.6
32.5°	4387.5
35°	2698.2
37.5°	1154.3
40°	409.3
42.5°	377.0
45°	369.8
47.5°	357.2
50°	342.9
52.5°	326.7
55°	310.6
57.5°	294.4
60°	278.3
62.5°	260.3
65°	240.6
67.5°	220.8
70°	199.3
72.5°	175.9
75°	152.6
77.5°	125.7
80°	98.7
82.5°	70.0
85°	41.3
87.5°	14.4
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)