

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: P773927

Luminaire Tested: LD6D90BD010-EU6DR6070959050-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773927
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-EU6DR6070959050-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12244.9 lumens
Efficiency: N/A
Efficacy: 123.8 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

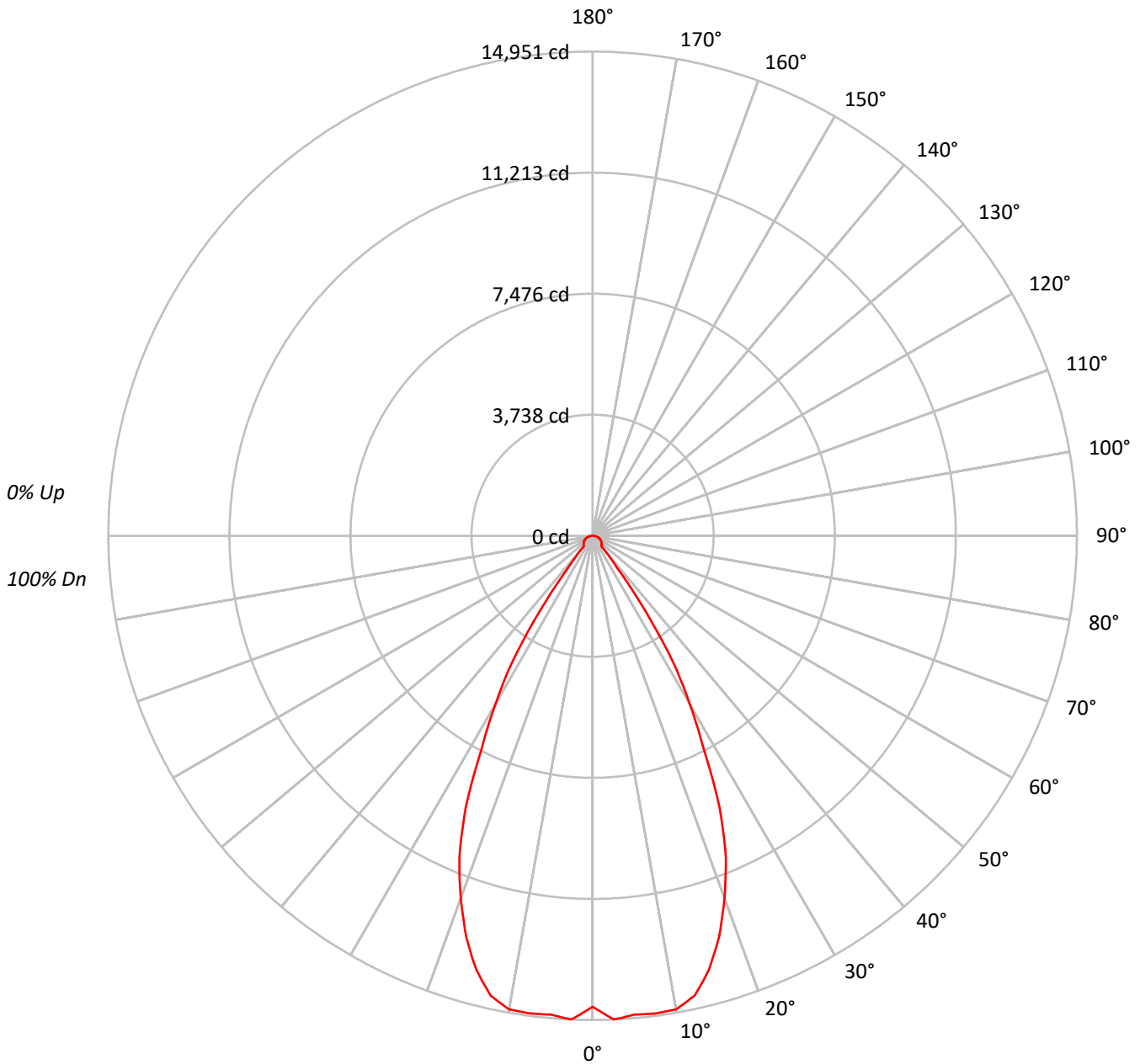
Input Watts (W): 98.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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			100																
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93			93																
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86			86																
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80			80																
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75			75																
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70			70																
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66			66																
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62			62																
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59			59																
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55			55																
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53			53																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1588914
5°	1627985
10°	1647652
15°	1569607
20°	1383915
25°	1119350
30°	757145
35°	379407
40°	61545
45°	60247
50°	61448
55°	62367
60°	64092
65°	65564
70°	67118
75°	67924
80°	65501
85°	54533

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 67924 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1418.6	11.6
10°-20°	3838.2	31.3
20°-30°	4129.6	33.7
30°-40°	1795.1	14.7
40°-50°	301.5	2.5
50°-60°	293.1	2.4
60°-70°	250.7	2.0
70°-80°	167.8	1.4
80°-90°	50.2	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°	9386.5	76.7
0°-40°	11181.6	91.3
0°-60°	11776.2	96.2
0°-90°	12244.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12244.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14542	
5°	14843	###
15°	13876	3838
25°	9285	4130
35°	2844	1795
45°	390	301
55°	327	293
65°	254	251
75°	161	168
85°	44	50
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	14542.4
2.5°	14951.2
5°	14843.3
7.5°	14877.3
10°	14850.9
12.5°	14544.3
15°	13876.2
17.5°	12979.1
20°	11902.3
22.5°	10749.7
25°	9284.9
27.5°	7426.4
30°	6001.3
32.5°	4625.4
35°	2844.5
37.5°	1216.9
40°	431.5
42.5°	397.4
45°	389.9
47.5°	376.6
50°	361.5
52.5°	344.4
55°	327.4
57.5°	310.4
60°	293.3
62.5°	274.4
65°	253.6
67.5°	232.8
70°	210.1
72.5°	185.5
75°	160.9
77.5°	132.5
80°	104.1
82.5°	73.8
85°	43.5
87.5°	15.1
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)