

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: P773918

Luminaire Tested: LD6D90BD010-EU6DR6070959040-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P773918
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-60)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D90BD010-EU6DR6070959040-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12798.0 lumens
Efficiency: N/A
Efficacy: 129.4 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

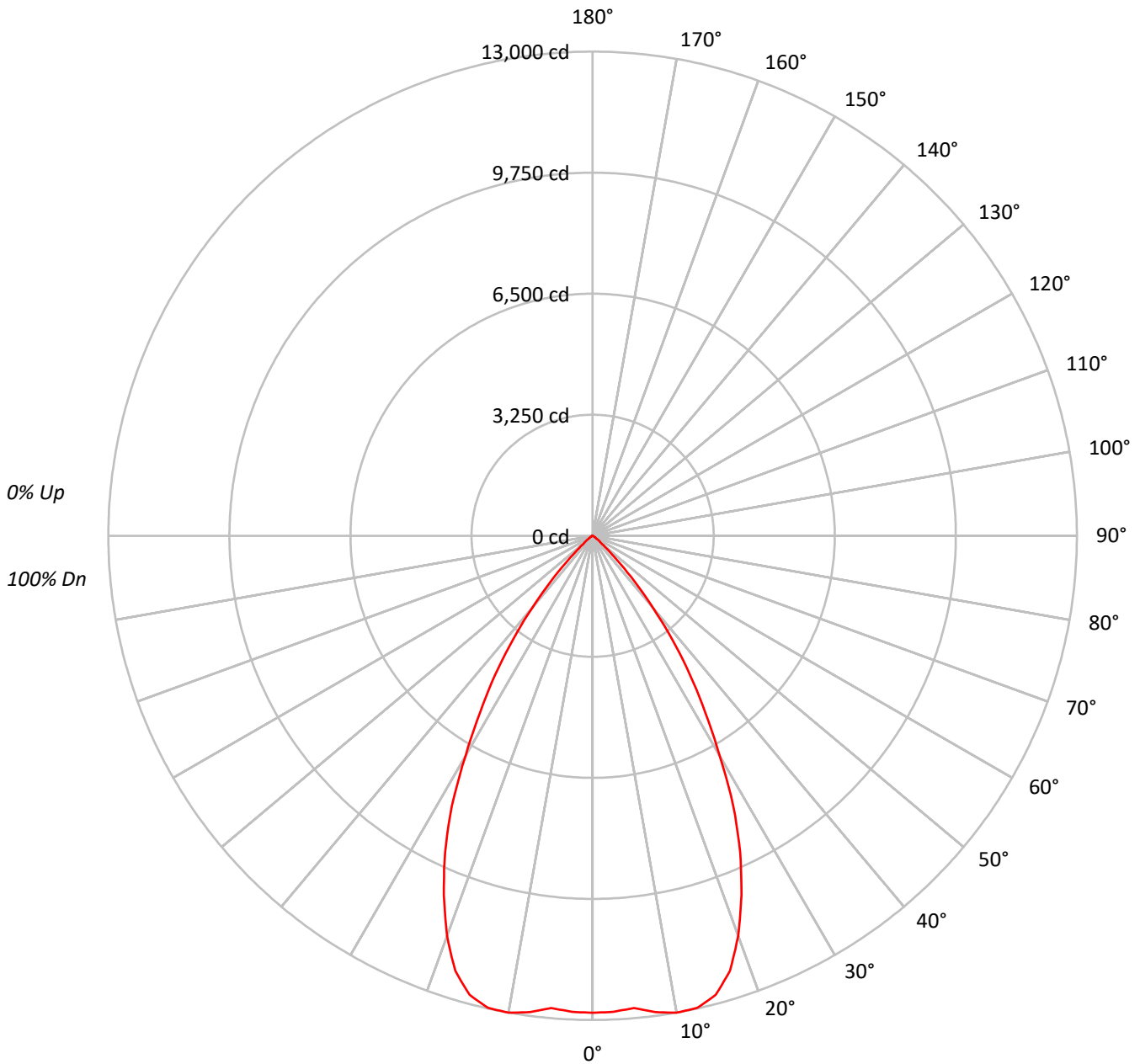
Input Watts (W): 98.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	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	87	79	73	68	86	78	72	68	76	71	68	75	70	67	74	70	67	65
7	83	74	68	63	82	73	67	63	72	67	63	71	66	63	69	65	62	61
8	79	69	63	59	78	69	63	59	68	63	59	67	62	59	66	61	58	57
9	75	65	59	55	74	65	59	55	64	59	55	63	58	55	62	58	55	53
10	72	62	56	52	71	61	56	52	61	55	52	60	55	52	59	55	52	50

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1399346
5°	1395928
10°	1442291
15°	1443778
20°	1328429
25°	1129922
30°	860965
35°	608839
40°	357516
45°	144258
50°	48172
55°	23183
60°	9528
65°	1396
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 144258 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1227.8	9.6
10°-20°	3536.0	27.6
20°-30°	4232.2	33.1
30°-40°	2830.7	22.1
40°-50°	839.2	6.6
50°-60°	120.7	0.9
60°-70°	11.5	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°	8995.9	70.3
0°-40°	11826.6	92.4
0°-60°	12786.5	99.9
0°-90°	12798.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12798.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12807	
5°	12728	###
15°	12764	3536
25°	9373	4232
35°	4565	2831
45°	934	839
55°	122	121
65°	5	11
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	12807.4
2.5°	12791.0
5°	12727.5
7.5°	12900.0
10°	12999.9
12.5°	12981.8
15°	12763.8
17.5°	12249.7
20°	11425.1
22.5°	10435.2
25°	9372.6
27.5°	8175.6
30°	6824.2
32.5°	5618.1
35°	4564.6
37.5°	3509.3
40°	2506.6
42.5°	1652.9
45°	933.6
47.5°	477.7
50°	283.4
52.5°	183.5
55°	121.7
57.5°	78.1
60°	43.6
62.5°	18.2
65°	5.4
67.5°	1.8
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)