

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: P773437

Luminaire Tested: LD6D90BD010-EU6DR3070959035-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P773437
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D90BD010-EU6DR3070959035-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11905.7 lumens
Efficiency: N/A
Efficacy: 120.4 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

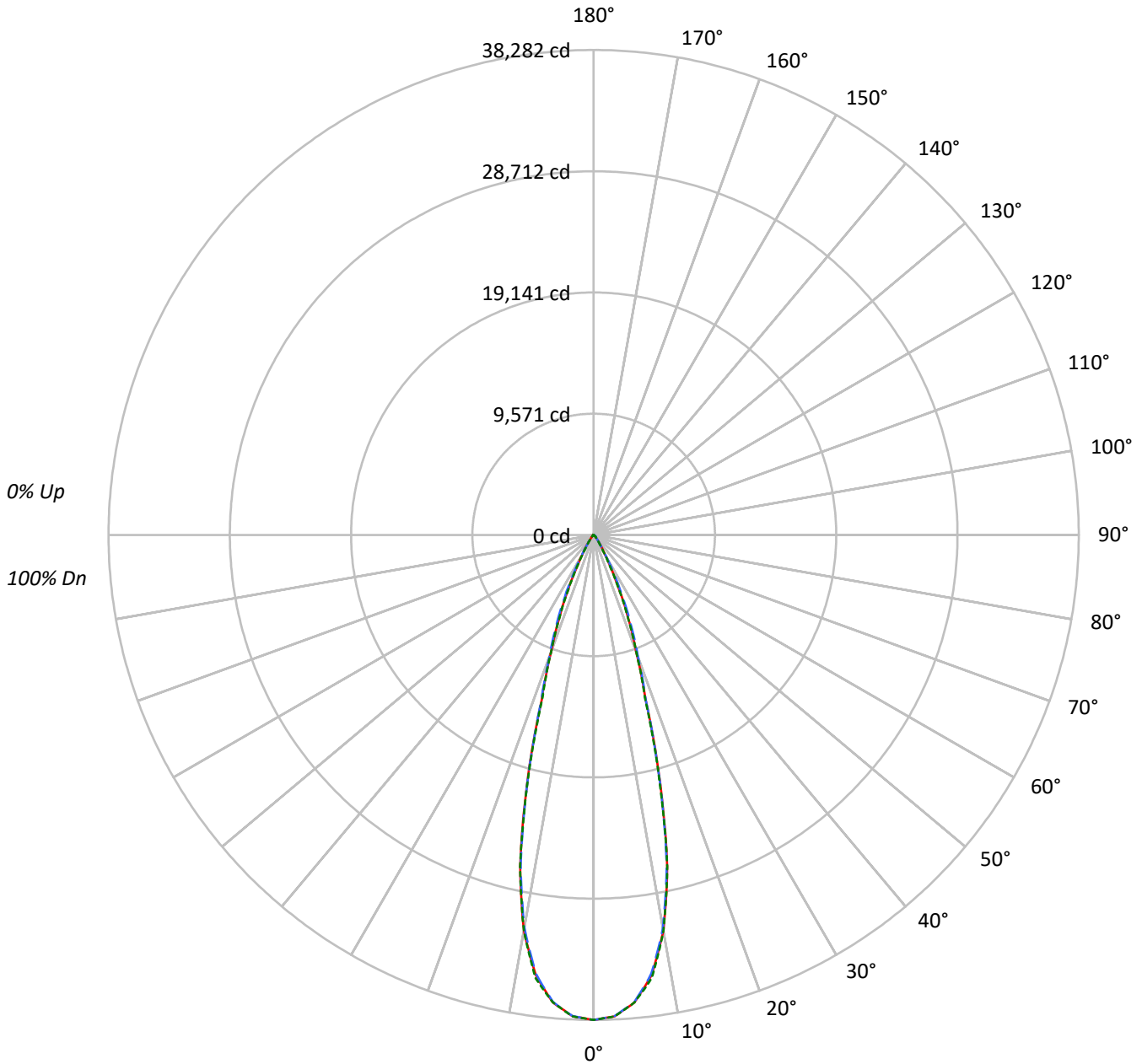
Input Watts (W): 98.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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																			
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2930273	2930273	2930273
5°	2846151	2842824	2846289
10°	2465194	2447815	2464611
15°	1608414	1599777	1591734
20°	799790	829798	798723
25°	402882	454307	394622
30°	161302	175762	140541
35°	74819	71661	60065
40°	32304	35871	30426
45°	22786	28285	22992
50°	7835	20589	8276
55°	4511	8527	4764
60°	3169	3735	3169
65°	2047	2047	2047
70°	1253	850	1253
75°	0	562	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 28285 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3366.4	28.3
10°-20°	5421.6	45.5
20°-30°	2342.8	19.7
30°-40°	534.0	4.5
40°-50°	183.4	1.5
50°-60°	44.8	0.4
60°-70°	11.6	0.1
70°-80°	1.2	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°	11130.7	93.5
0°-40°	11664.7	98.0
0°-60°	11892.8	99.9
0°-90°	11905.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11905.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	38282	38282	38282	38282	38282	
5°	37042	37006	36999	37076	37044	3369
15°	20297	20053	20188	20122	20087	5435
25°	4770	4951	5379	4825	4672	2283
35°	801	818	767	761	643	543
45°	210	261	261	261	212	149
55°	34	36	64	38	36	33
65°	11	11	11	11	11	11
75°	0	0	2	0	0	2
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	38282.5	38282.5	38282.5	38282.5	38282.5
2.5°	38028.7	38002.4	38017.4	38036.2	38043.8
5°	37042.0	37006.3	36998.7	37075.8	37043.8
7.5°	35051.5	35000.8	34923.7	35098.5	35262.0
10°	31717.2	31660.8	31493.6	31576.3	31709.7
12.5°	26794.7	26612.4	26608.6	26871.8	26836.1
15°	20297.1	20052.8	20188.1	20122.4	20086.6
17.5°	13649.2	13555.2	13735.7	13681.2	13446.2
20°	9818.7	9843.1	10187.1	10014.2	9805.6
22.5°	7164.8	7253.1	7661.0	7215.6	7052.0
25°	4770.3	4950.7	5379.2	4824.8	4672.5
27.5°	2934.0	3016.7	3450.8	2896.4	2813.7
30°	1825.0	1783.7	1988.6	1706.6	1590.1
32.5°	1197.3	1144.6	1210.4	1086.4	992.4
35°	800.7	817.6	766.9	761.2	642.8
37.5°	500.0	575.1	507.5	541.3	413.5
40°	323.3	417.3	359.0	396.6	304.5
42.5°	265.0	321.4	295.1	313.9	270.7
45°	210.5	261.3	261.3	261.3	212.4
47.5°	116.5	174.8	223.7	178.6	124.0
50°	65.8	88.3	172.9	92.1	69.5
52.5°	45.1	50.7	118.4	52.6	47.0
55°	33.8	35.7	63.9	37.6	35.7
57.5°	26.3	28.2	33.8	28.2	26.3
60°	20.7	20.7	24.4	22.6	20.7
62.5°	15.0	15.0	16.9	15.0	15.0
65°	11.3	11.3	11.3	11.3	11.3
67.5°	5.6	7.5	7.5	7.5	7.5
70°	5.6	3.8	3.8	3.8	5.6
72.5°	3.8	1.9	1.9	1.9	1.9
75°	0.0	0.0	1.9	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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