

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: P1308117

Luminaire Tested: LDSQA3D13R259027DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308117
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R259027DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

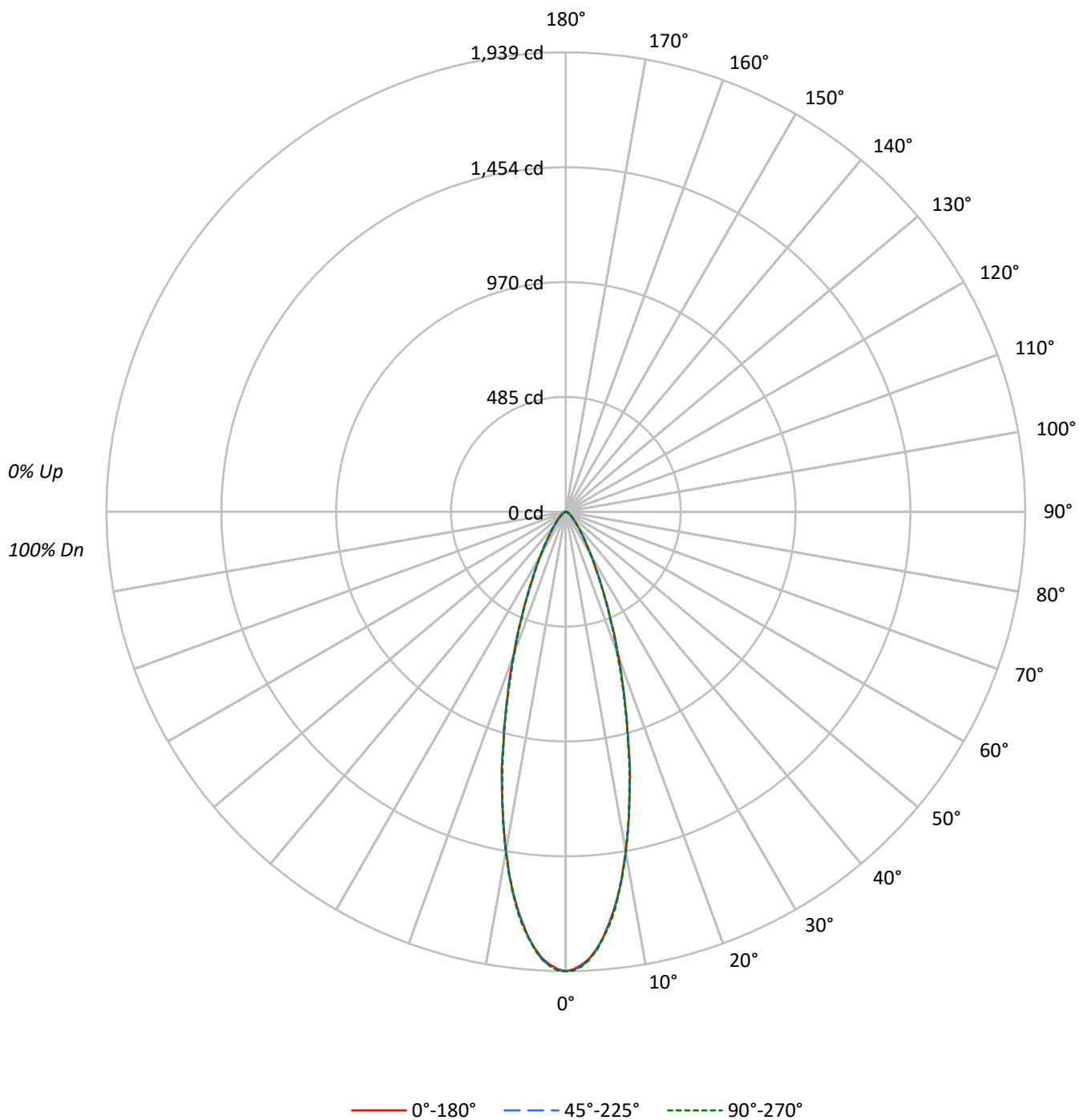
Lumens per Lamp: N/A
Luminaire Lumens: 777.0 lumens
Efficiency: N/A
Efficacy: 53.2 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
Input Voltage (V): NR
Input Current (Ain): 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

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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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85
5	95	87	82	78	93	86	81	78	85	80	77		83	79	76		82
6	91	83	78	74	90	82	77	73	81	76	73		79	76	72		78
7	87	79	74	70	86	78	73	70	77	73	69		76	72	69		75
8	84	76	70	67	83	75	70	66	74	69	66		73	69	66		72
9	81	72	67	64	80	72	67	63	71	66	63		70	66	63		69
10	78	69	64	61	77	69	64	61	68	64	61		67	63	60		67

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	333974	333974	333974
5°	311721	312032	312188
10°	254257	255062	255062
15°	181614	182577	181614
20°	118854	117700	116032
25°	70671	71013	70671
30°	42577	42577	42378
35°	25944	26133	25944
40°	16524	16727	16727
45°	11496	11496	11496
50°	8252	8493	8493
55°	6546	6546	6816
60°	5304	5614	5614
65°	4809	4809	4809
70°	4129	4129	4582
75°	3593	3593	4192
80°	3570	3570	3570
85°	1778	1778	1778

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 11496 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.1	20.7
10°-20°	280.9	36.2
20°-30°	176.6	22.7
30°-40°	80.8	10.4
40°-50°	37.7	4.9
50°-60°	20.3	2.6
60°-70°	12.0	1.5
70°-80°	6.2	0.8
80°-90°	1.4	0.2
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°	618.6	79.6
0°-40°	699.4	90.0
0°-60°	757.4	97.5
0°-90°	777.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	777.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1939	1939	1939	1939	1939	
5°	1803	1807	1805	1807	1806	161
15°	1019	1025	1024	1026	1019	281
25°	372	376	374	374	372	177
35°	123	123	124	124	123	81
45°	47	47	47	47	47	37
55°	22	22	22	23	23	20
65°	12	12	12	12	12	12
75°	5	5	5	6	6	6
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1939.2	1939.2	1939.2	1939.2	1939.2
1°	1931.0	1932.8	1934.6	1937.4	1936.5
2°	1912.9	1916.5	1917.4	1921.0	1920.1
3°	1888.4	1887.5	1894.7	1894.7	1890.2
4°	1850.3	1852.1	1853.9	1855.7	1856.6
5°	1803.1	1806.8	1804.9	1806.8	1805.8
6°	1745.1	1750.5	1749.6	1751.4	1754.2
7°	1683.4	1687.0	1687.0	1685.2	1692.5
8°	1616.3	1613.6	1618.1	1616.3	1615.4
9°	1536.5	1541.9	1542.8	1538.3	1540.1
10°	1453.9	1457.6	1458.5	1461.2	1458.5
11°	1372.3	1372.3	1374.1	1378.6	1371.4
12°	1283.4	1291.6	1283.4	1287.0	1283.4
13°	1199.1	1200.9	1199.1	1198.2	1191.8
14°	1119.2	1112.9	1114.7	1107.5	1108.4
15°	1018.6	1024.9	1024.0	1025.8	1018.6
17.5°	819.0	822.7	821.7	819.9	810.9
20°	648.5	648.5	642.2	638.5	633.1
22.5°	495.2	493.4	490.7	488.0	489.8
25°	371.9	376.4	373.7	373.7	371.9
27.5°	281.2	286.6	282.1	279.4	281.2
30°	214.1	215.9	214.1	213.1	213.1
32.5°	161.4	162.4	161.4	161.4	161.4
35°	123.4	123.4	124.3	124.3	123.4
37.5°	95.2	95.2	95.2	95.2	96.1
40°	73.5	74.4	74.4	74.4	74.4
42.5°	58.0	59.0	59.0	59.0	59.0
45°	47.2	47.2	47.2	47.2	47.2
47.5°	38.1	38.1	38.1	38.1	39.0
50°	30.8	31.7	31.7	31.7	31.7
52.5°	26.3	26.3	26.3	26.3	26.3
55°	21.8	21.8	21.8	22.7	22.7
57.5°	18.1	18.1	19.0	19.0	19.0
60°	15.4	16.3	16.3	16.3	16.3
62.5°	13.6	13.6	14.5	14.5	14.5
65°	11.8	11.8	11.8	11.8	11.8
67.5°	10.0	10.0	10.0	10.0	10.9
70°	8.2	8.2	8.2	9.1	9.1
72.5°	7.3	7.3	7.3	7.3	7.3
75°	5.4	5.4	5.4	6.3	6.3
77.5°	4.5	4.5	4.5	4.5	4.5
80°	3.6	3.6	3.6	3.6	3.6
82.5°	1.8	1.8	2.7	2.7	2.7
85°	0.9	0.9	0.9	0.9	0.9
87.5°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)