

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: P1308151

Luminaire Tested: LDSQA3D13R359027DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308151
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R359027DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 90CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

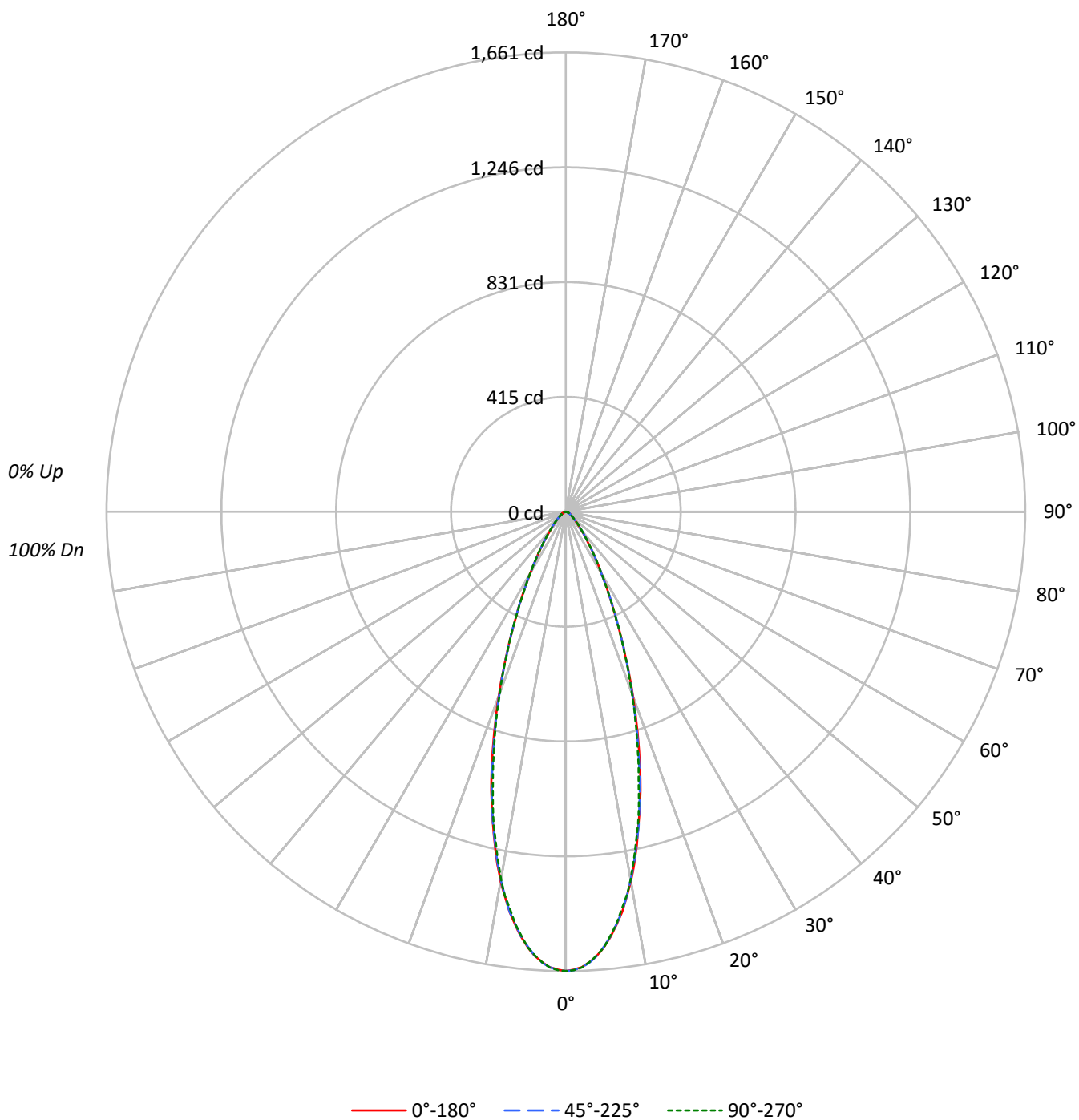
Lumens per Lamp: N/A
Luminaire Lumens: 819.0 lumens
Efficiency: N/A
Efficacy: 56.1 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	108	106	111	109	106	104	105	103	101		101	99	98		97
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93
3	103	97	92	88	101	95	91	87	93	89	86		90	87	85		88
4	98	91	86	82	97	90	85	81	88	84	80		86	82	79		84
5	94	86	80	76	92	85	80	76	83	79	75		82	78	75		80
6	90	81	76	72	88	81	75	71	79	74	71		78	74	70		76
7	86	77	72	68	85	77	71	67	75	71	67		74	70	67		73
8	82	73	68	64	81	73	68	64	72	67	64		71	67	63		70
9	79	70	65	61	78	70	64	61	69	64	61		68	63	60		67
10	76	67	62	58	75	67	61	58	66	61	58		65	61	58		64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	286010	286010	286010
5°	273289	272823	273289
10°	237259	236455	236140
15°	185911	184449	181543
20°	130052	128898	128073
25°	82605	83118	82605
30°	50890	51248	50890
35°	31474	31663	31663
40°	19987	20189	20189
45°	13493	13712	13932
50°	9726	9967	9967
55°	7627	7627	7627
60°	6234	6234	6234
65°	5542	5542	5542
70°	5035	5035	5035
75°	4259	4259	4259
80°	3570	3570	3570
85°	1778	1778	3557

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 13932 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.5	17.5
10°-20°	282.6	34.5
20°-30°	203.9	24.9
30°-40°	98.3	12.0
40°-50°	45.3	5.5
50°-60°	23.4	2.9
60°-70°	13.5	1.7
70°-80°	6.9	0.8
80°-90°	1.6	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°	630.0	76.9
0°-40°	728.3	88.9
0°-60°	797.0	97.3
0°-90°	819.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	819.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1661	1661	1661	1661	1661	
5°	1581	1584	1578	1579	1581	144
15°	1043	1041	1034	1030	1018	284
25°	435	436	437	437	435	204
35°	150	150	151	151	151	98
45°	55	56	56	57	57	45
55°	25	25	25	25	25	23
65°	14	14	14	14	14	13
75°	6	6	6	6	6	7
85°	1	1	1	1	2	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1660.7	1660.7	1660.7	1660.7	1660.7
1°	1656.1	1658.9	1658.0	1658.9	1658.0
2°	1648.0	1649.8	1648.0	1648.9	1648.9
3°	1630.7	1632.5	1632.5	1631.6	1630.7
4°	1609.9	1614.4	1609.9	1610.8	1608.0
5°	1580.8	1584.5	1578.1	1579.0	1580.8
6°	1545.4	1546.3	1544.5	1543.6	1541.8
7°	1504.6	1508.2	1501.9	1502.8	1501.0
8°	1461.0	1460.1	1460.1	1456.5	1451.1
9°	1408.4	1412.0	1406.6	1404.8	1405.7
10°	1356.7	1356.7	1352.1	1347.6	1350.3
11°	1297.7	1295.9	1293.2	1286.8	1285.0
12°	1233.3	1236.9	1228.7	1226.0	1219.6
13°	1167.0	1172.5	1168.8	1158.8	1159.8
14°	1105.3	1101.7	1099.0	1097.1	1090.8
15°	1042.7	1040.9	1034.5	1030.0	1018.2
17.5°	871.2	873.0	861.2	859.4	854.8
20°	709.6	704.2	703.3	704.2	698.8
22.5°	559.9	565.4	559.0	559.9	556.3
25°	434.7	435.6	437.4	437.4	434.7
27.5°	337.6	337.6	335.8	337.6	334.9
30°	255.9	255.9	257.7	259.5	255.9
32.5°	197.8	197.8	197.8	198.7	199.6
35°	149.7	149.7	150.6	150.6	150.6
37.5°	115.2	116.2	117.1	117.1	117.1
40°	88.9	89.8	89.8	90.7	89.8
42.5°	70.8	70.8	70.8	71.7	71.7
45°	55.4	56.3	56.3	57.2	57.2
47.5°	45.4	45.4	45.4	46.3	46.3
50°	36.3	37.2	37.2	37.2	37.2
52.5°	29.9	29.9	30.9	30.9	30.9
55°	25.4	25.4	25.4	25.4	25.4
57.5°	20.9	21.8	21.8	21.8	21.8
60°	18.1	18.1	18.1	18.1	18.1
62.5°	15.4	15.4	15.4	15.4	15.4
65°	13.6	13.6	13.6	13.6	13.6
67.5°	10.9	11.8	11.8	11.8	11.8
70°	10.0	10.0	10.0	10.0	10.0
72.5°	7.3	8.2	8.2	8.2	8.2
75°	6.4	6.4	6.4	6.4	6.4
77.5°	5.4	4.5	4.5	4.5	5.4
80°	3.6	3.6	3.6	3.6	3.6
82.5°	2.7	2.7	2.7	2.7	2.7
85°	0.9	0.9	0.9	0.9	1.8
87.5°	0.0	0.0	0.0	0.9	0.9



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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)