

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: P1323927

Luminaire Tested: LDSQA3D13R359030D2WDE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323927
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: LDSQA3D13R359030D2WDE010 3LSQPHRL1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R35 optic, 3000K CCT AND, 90CRI ,
3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

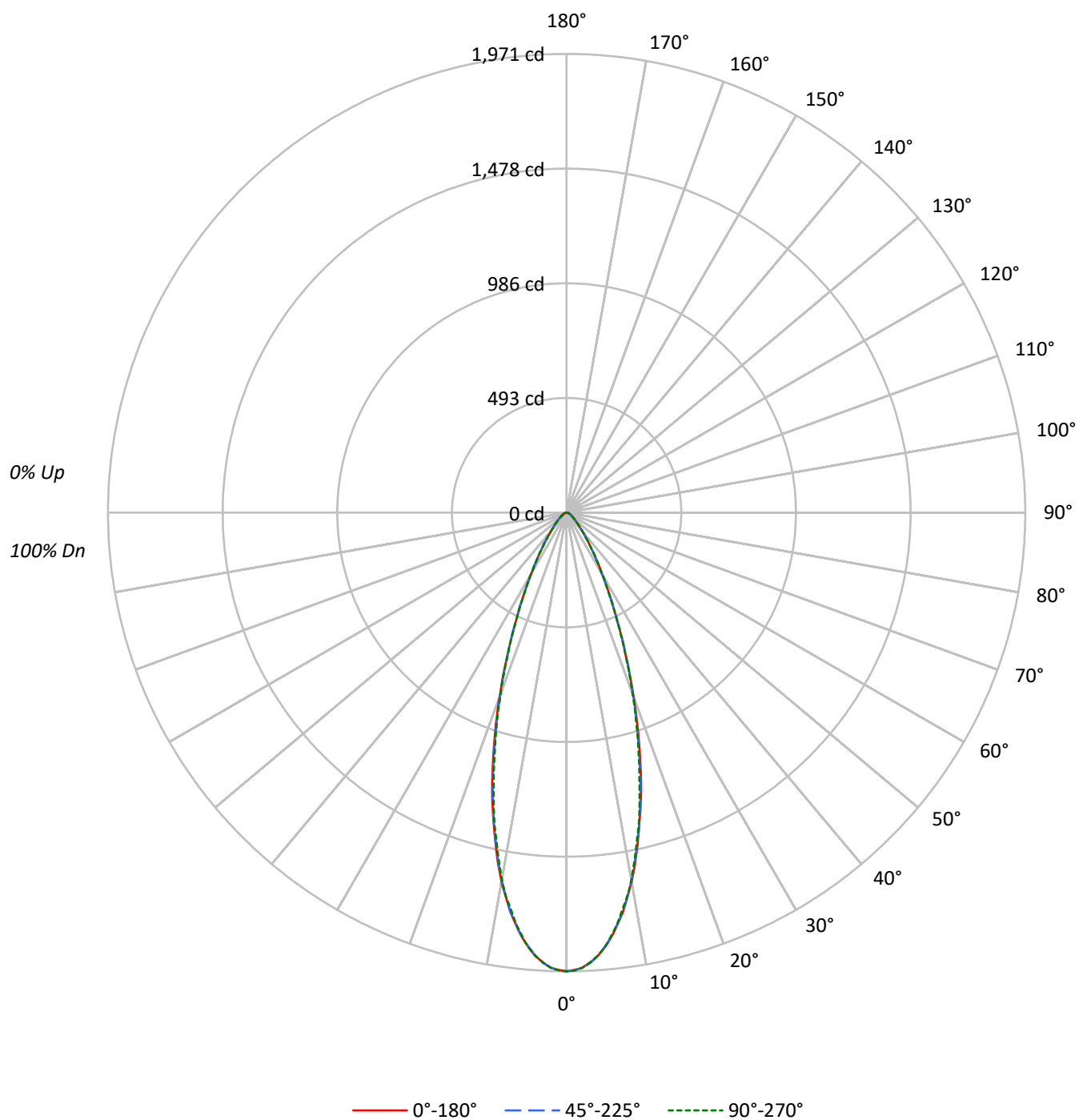
Lumens per Lamp: N/A
Luminaire Lumens: 972.0 lumens
Efficiency: N/A
Efficacy: 48.4 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.1
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°	339434	339434	339434
5°	324341	323788	324341
10°	281573	280629	280262
15°	220644	218914	215455
20°	154355	152980	151990
25°	98035	98643	98035
30°	60395	60833	60395
35°	37361	37592	37592
40°	23719	23966	23966
45°	16002	16270	16538
50°	11548	11843	11843
55°	9068	9068	9068
60°	7406	7406	7406
65°	6602	6602	6602
70°	5942	5942	5942
75°	4991	4991	4991
80°	4265	4265	4265
85°	2174	2174	4347

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 16538 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.3	17.5
10°-20°	335.4	34.5
20°-30°	242.0	24.9
30°-40°	116.7	12.0
40°-50°	53.8	5.5
50°-60°	27.8	2.9
60°-70°	16.1	1.7
70°-80°	8.1	0.8
80°-90°	1.9	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°	747.7	76.9
0°-40°	864.3	88.9
0°-60°	945.9	97.3
0°-90°	972.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	972.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1971	1971	1971	1971	1971	
5°	1876	1880	1873	1874	1876	170
15°	1238	1235	1228	1222	1208	337
25°	516	517	519	519	516	242
35°	178	178	179	179	179	116
45°	66	67	67	68	68	53
55°	30	30	30	30	30	27
65°	16	16	16	16	16	16
75°	8	8	8	8	8	8
85°	1	1	1	1	2	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1970.9	1970.9	1970.9	1970.9	1970.9
1°	1965.5	1968.8	1967.7	1968.8	1967.7
2°	1955.8	1958.0	1955.8	1956.9	1956.9
3°	1935.4	1937.5	1937.5	1936.5	1935.4
4°	1910.6	1916.0	1910.6	1911.7	1908.5
5°	1876.1	1880.4	1872.9	1874.0	1876.1
6°	1834.1	1835.2	1833.1	1832.0	1829.8
7°	1785.7	1790.0	1782.4	1783.5	1781.4
8°	1734.0	1732.9	1732.9	1728.6	1722.1
9°	1671.5	1675.8	1669.4	1667.2	1668.3
10°	1610.1	1610.1	1604.7	1599.4	1602.6
11°	1540.1	1538.0	1534.7	1527.2	1525.0
12°	1463.6	1468.0	1458.3	1455.0	1447.5
13°	1385.0	1391.5	1387.2	1375.3	1376.4
14°	1311.8	1307.5	1304.3	1302.1	1294.6
15°	1237.5	1235.3	1227.8	1222.4	1208.4
17.5°	1033.9	1036.1	1022.1	1019.9	1014.5
20°	842.2	835.8	834.7	835.8	829.3
22.5°	664.5	671.0	663.4	664.5	660.2
25°	515.9	517.0	519.1	519.1	515.9
27.5°	400.6	400.6	398.5	400.6	397.4
30°	303.7	303.7	305.9	308.0	303.7
32.5°	234.8	234.8	234.8	235.9	236.9
35°	177.7	177.7	178.8	178.8	178.8
37.5°	136.8	137.9	138.9	138.9	138.9
40°	105.5	106.6	106.6	107.7	106.6
42.5°	84.0	84.0	84.0	85.1	85.1
45°	65.7	66.8	66.8	67.9	67.9
47.5°	53.9	53.9	53.9	54.9	54.9
50°	43.1	44.2	44.2	44.2	44.2
52.5°	35.5	35.5	36.6	36.6	36.6
55°	30.2	30.2	30.2	30.2	30.2
57.5°	24.8	25.8	25.8	25.8	25.8
60°	21.5	21.5	21.5	21.5	21.5
62.5°	18.3	18.3	18.3	18.3	18.3
65°	16.2	16.2	16.2	16.2	16.2
67.5°	12.9	14.0	14.0	14.0	14.0
70°	11.8	11.8	11.8	11.8	11.8
72.5°	8.6	9.7	9.7	9.7	9.7
75°	7.5	7.5	7.5	7.5	7.5
77.5°	6.5	5.4	5.4	5.4	6.5
80°	4.3	4.3	4.3	4.3	4.3
82.5°	3.2	3.2	3.2	3.2	3.2
85°	1.1	1.1	1.1	1.1	2.2
87.5°	0.0	0.0	0.0	1.1	1.1



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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)