

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: P1313812

Luminaire Tested: LDSQA3D17R259727DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313812
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: LDSQA3D17R259727DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 97CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

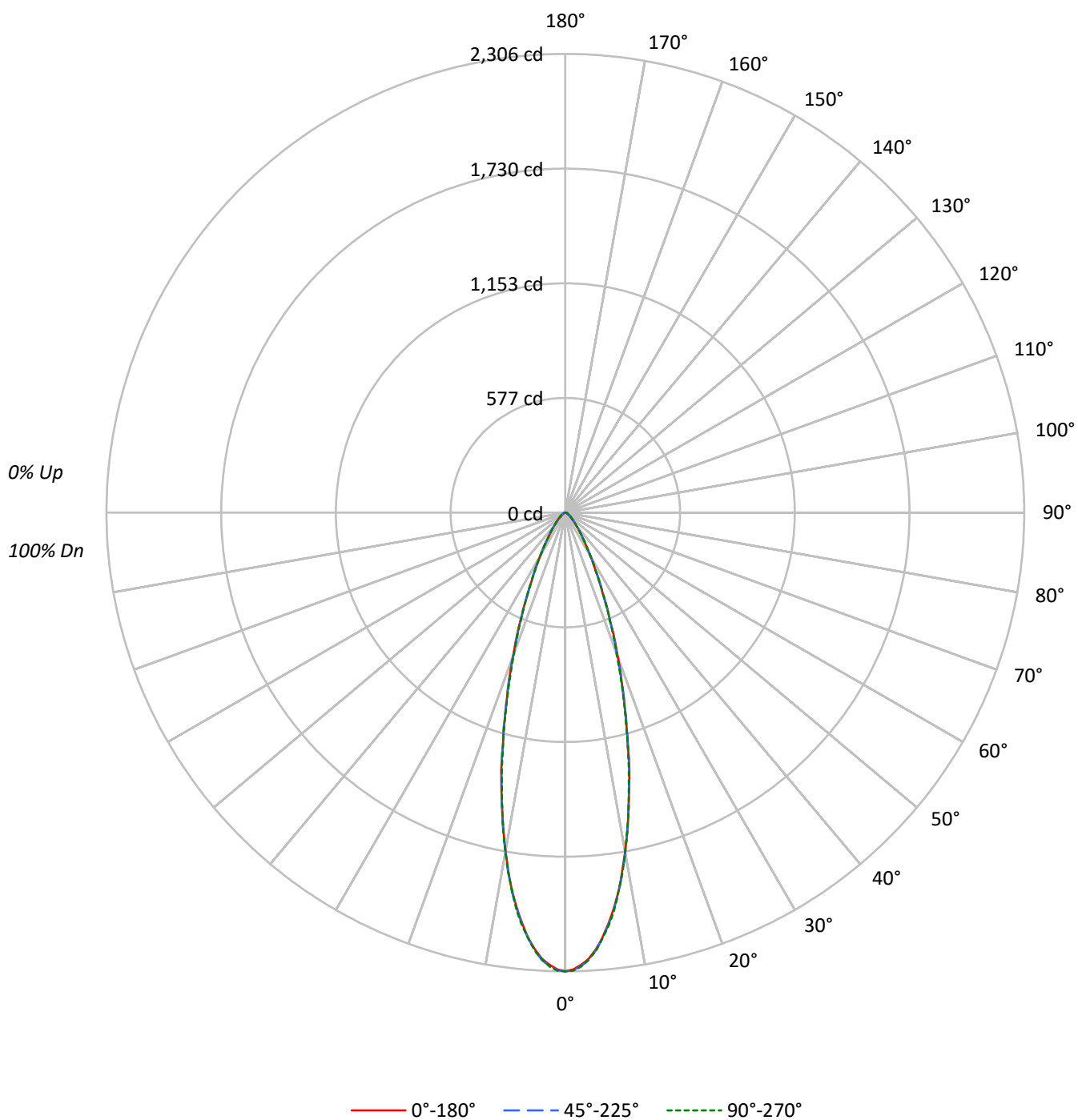
Lumens per Lamp: N/A
Luminaire Lumens: 924.0 lumens
Efficiency: N/A
Efficacy: 43.6 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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°	397163	397163	397163
5°	370708	371071	371261
10°	302367	303311	303311
15°	215972	217113	215972
20°	141342	139968	137988
25°	84030	84448	84030
30°	50631	50631	50412
35°	30843	31074	30843
40°	19649	19874	19874
45°	13664	13664	13664
50°	9833	10128	10128
55°	7777	7777	8107
60°	6303	6682	6682
65°	5705	5705	5705
70°	4884	4884	5438
75°	4325	4325	5057
80°	4265	4265	4265
85°	2174	2174	2174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 13664 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.6	20.7
10°-20°	334.0	36.1
20°-30°	210.0	22.7
30°-40°	96.1	10.4
40°-50°	44.9	4.9
50°-60°	24.1	2.6
60°-70°	14.2	1.5
70°-80°	7.4	0.8
80°-90°	1.7	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°	735.7	79.6
0°-40°	831.7	90.0
0°-60°	900.7	97.5
0°-90°	924.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	924.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2306	2306	2306	2306	2306	
5°	2144	2149	2146	2149	2148	191
15°	1211	1219	1218	1220	1211	334
25°	442	448	444	444	442	210
35°	147	147	148	148	147	96
45°	56	56	56	56	56	44
55°	26	26	26	27	27	24
65°	14	14	14	14	14	14
75°	6	6	6	8	8	7
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°	2306.1	2306.1	2306.1	2306.1	2306.1
1°	2296.3	2298.5	2300.7	2303.9	2302.8
2°	2274.8	2279.1	2280.2	2284.5	2283.4
3°	2245.7	2244.6	2253.2	2253.2	2247.8
4°	2200.3	2202.5	2204.7	2206.8	2207.9
5°	2144.3	2148.6	2146.4	2148.6	2147.5
6°	2075.2	2081.7	2080.6	2082.8	2086.0
7°	2001.9	2006.2	2006.2	2004.0	2012.7
8°	1922.1	1918.8	1924.2	1922.1	1921.0
9°	1827.2	1833.6	1834.7	1829.3	1831.5
10°	1729.0	1733.3	1734.4	1737.6	1734.4
11°	1631.9	1631.9	1634.1	1639.5	1630.8
12°	1526.2	1535.9	1526.2	1530.5	1526.2
13°	1425.9	1428.1	1425.9	1424.8	1417.3
14°	1331.0	1323.4	1325.6	1317.0	1318.1
15°	1211.3	1218.8	1217.7	1219.9	1211.3
17.5°	974.0	978.3	977.2	975.1	964.3
20°	771.2	771.2	763.7	759.3	752.9
22.5°	588.9	586.8	583.5	580.3	582.4
25°	442.2	447.6	444.4	444.4	442.2
27.5°	334.4	340.8	335.4	332.2	334.4
30°	254.6	256.7	254.6	253.5	253.5
32.5°	192.0	193.1	192.0	192.0	192.0
35°	146.7	146.7	147.8	147.8	146.7
37.5°	113.3	113.3	113.3	113.3	114.3
40°	87.4	88.4	88.4	88.4	88.4
42.5°	69.0	70.1	70.1	70.1	70.1
45°	56.1	56.1	56.1	56.1	56.1
47.5°	45.3	45.3	45.3	45.3	46.4
50°	36.7	37.8	37.8	37.8	37.8
52.5°	31.3	31.3	31.3	31.3	31.3
55°	25.9	25.9	25.9	27.0	27.0
57.5°	21.6	21.6	22.7	22.7	22.7
60°	18.3	19.4	19.4	19.4	19.4
62.5°	16.2	16.2	17.3	17.3	17.3
65°	14.0	14.0	14.0	14.0	14.0
67.5°	11.9	11.9	11.9	11.9	12.9
70°	9.7	9.7	9.7	10.8	10.8
72.5°	8.6	8.6	8.6	8.6	8.6
75°	6.5	6.5	6.5	7.6	7.6
77.5°	5.4	5.4	5.4	5.4	5.4
80°	4.3	4.3	4.3	4.3	4.3
82.5°	2.2	2.2	3.2	3.2	3.2
85°	1.1	1.1	1.1	1.1	1.1
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)