

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: P1308272

Luminaire Tested: LDSQA3D17R259027DE010 3LSQPHRL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308272
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: LDSQA3D17R259027DE010 3LSQPHRL1MB
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , 3LSQPHRL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

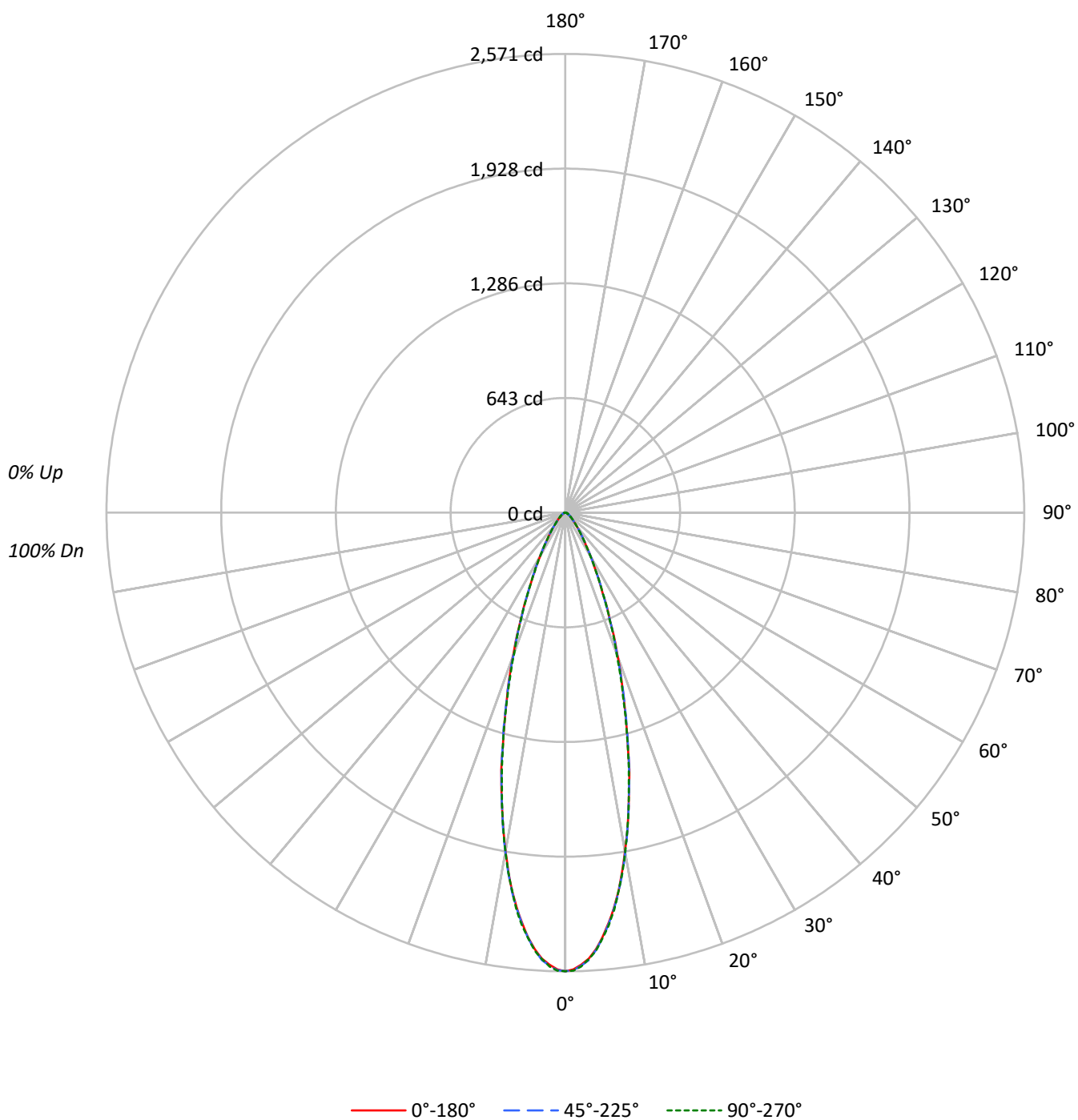
Lumens per Lamp: N/A
Luminaire Lumens: 1030.0 lumens
Efficiency: N/A
Efficacy: 48.6 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	73		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°	442716	442716	442716
5°	413219	413651	413859
10°	337045	338112	338112
15°	240738	242022	240738
20°	157562	156022	153805
25°	93683	94139	93683
30°	56438	56438	56180
35°	34375	34627	34375
40°	21898	22167	22167
45°	15222	15222	15222
50°	10958	11280	11280
55°	8678	8678	9038
60°	7027	7440	7440
65°	6357	6357	6357
70°	5438	5438	6043
75°	4791	4791	5590
80°	4761	4761	4761
85°	2371	2371	2371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 15222 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.6	20.7
10°-20°	372.3	36.2
20°-30°	234.1	22.7
30°-40°	107.1	10.4
40°-50°	50.0	4.9
50°-60°	26.9	2.6
60°-70°	15.8	1.5
70°-80°	8.2	0.8
80°-90°	1.8	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°	820.1	79.6
0°-40°	927.1	90.0
0°-60°	1004.0	97.5
0°-90°	1030.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1030.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2571	2571	2571	2571	2571	
5°	2390	2395	2393	2395	2394	213
15°	1350	1359	1357	1360	1350	372
25°	493	499	495	495	493	235
35°	164	164	165	165	164	107
45°	62	62	62	62	62	50
55°	29	29	29	30	30	26
65°	16	16	16	16	16	15
75°	7	7	7	8	8	8
85°	1	1	1	1	1	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2570.6	2570.6	2570.6	2570.6	2570.6
1°	2559.8	2562.2	2564.6	2568.2	2567.0
2°	2535.7	2540.5	2541.7	2546.6	2545.3
3°	2503.3	2502.1	2511.7	2511.7	2505.7
4°	2452.8	2455.2	2457.6	2460.0	2461.2
5°	2390.2	2395.1	2392.7	2395.1	2393.9
6°	2313.3	2320.5	2319.3	2321.7	2325.3
7°	2231.5	2236.3	2236.3	2233.9	2243.6
8°	2142.6	2139.0	2145.0	2142.6	2141.4
9°	2036.8	2044.0	2045.2	2039.2	2041.6
10°	1927.3	1932.2	1933.4	1937.0	1933.4
11°	1819.1	1819.1	1821.5	1827.6	1817.9
12°	1701.3	1712.1	1701.3	1706.1	1701.3
13°	1589.5	1591.9	1589.5	1588.3	1579.9
14°	1483.7	1475.3	1477.7	1468.1	1469.3
15°	1350.2	1358.6	1357.4	1359.8	1350.2
17.5°	1085.7	1090.5	1089.3	1086.9	1074.9
20°	859.7	859.7	851.3	846.4	839.2
22.5°	656.5	654.1	650.5	646.9	649.3
25°	493.0	499.0	495.4	495.4	493.0
27.5°	372.7	379.9	373.9	370.3	372.7
30°	283.8	286.2	283.8	282.5	282.5
32.5°	214.0	215.2	214.0	214.0	214.0
35°	163.5	163.5	164.7	164.7	163.5
37.5°	126.2	126.2	126.2	126.2	127.4
40°	97.4	98.6	98.6	98.6	98.6
42.5°	76.9	78.2	78.2	78.2	78.2
45°	62.5	62.5	62.5	62.5	62.5
47.5°	50.5	50.5	50.5	50.5	51.7
50°	40.9	42.1	42.1	42.1	42.1
52.5°	34.9	34.9	34.9	34.9	34.9
55°	28.9	28.9	28.9	30.1	30.1
57.5°	24.0	24.0	25.2	25.2	25.2
60°	20.4	21.6	21.6	21.6	21.6
62.5°	18.0	18.0	19.2	19.2	19.2
65°	15.6	15.6	15.6	15.6	15.6
67.5°	13.2	13.2	13.2	13.2	14.4
70°	10.8	10.8	10.8	12.0	12.0
72.5°	9.6	9.6	9.6	9.6	9.6
75°	7.2	7.2	7.2	8.4	8.4
77.5°	6.0	6.0	6.0	6.0	6.0
80°	4.8	4.8	4.8	4.8	4.8
82.5°	2.4	2.4	3.6	3.6	3.6
85°	1.2	1.2	1.2	1.2	1.2
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)