

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: P1327413

Luminaire Tested: LDSQA3D13R15W2N902750DE010 3LSQPHRL1MB_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1327413
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R15W2N902750DE010 3LSQPHRL1MB_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 3000K CCT AND, 90CRI ,
3LSQPHRL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

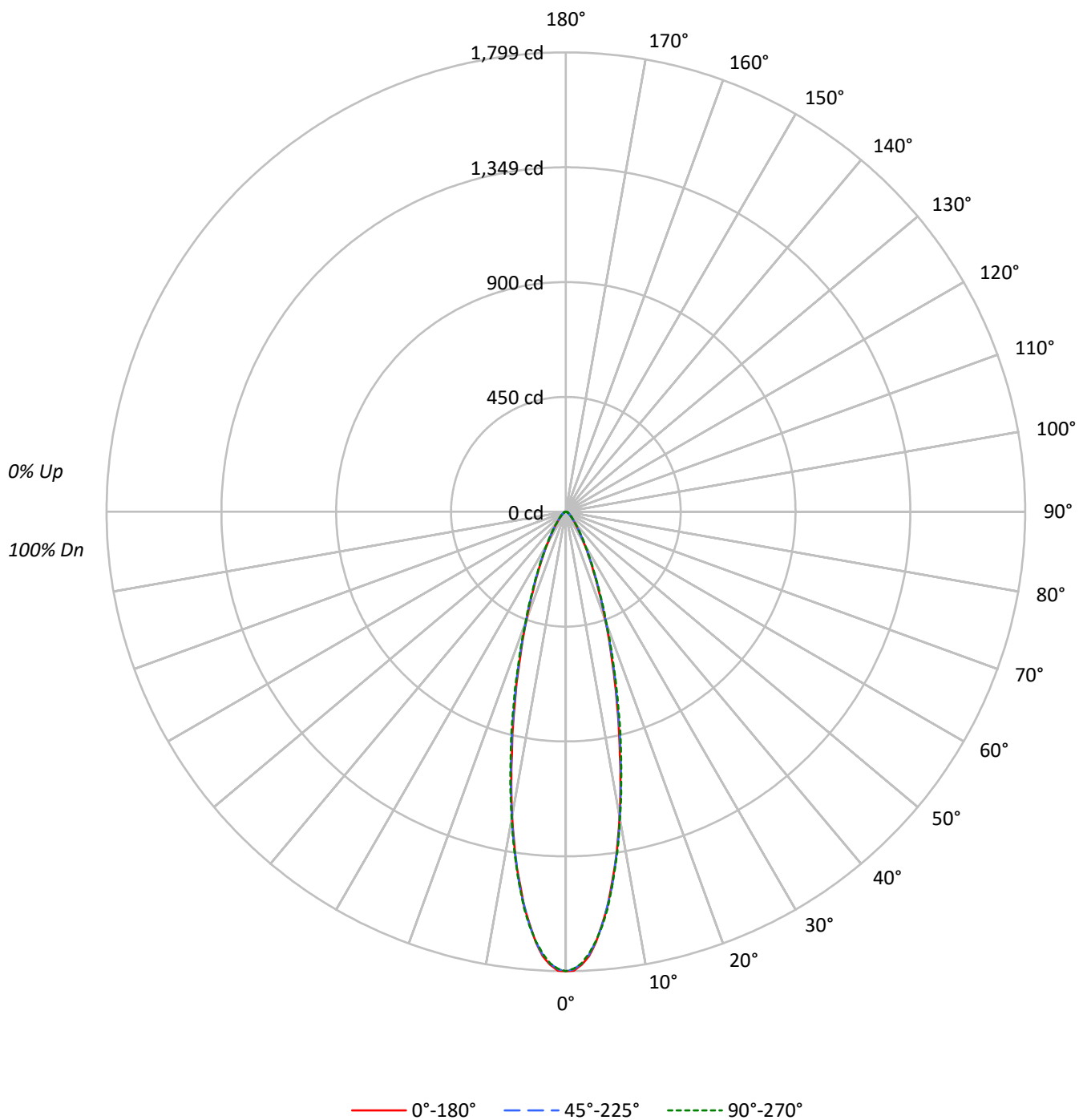
Lumens per Lamp: N/A
Luminaire Lumens: 595.0 lumens
Efficiency: N/A
Efficacy: 48.4 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 12.3
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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0			
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94			
2	109	104	101	97	107	103	99	96	99	97	94	97	94	92	94	92	90	89			
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	84			
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	80			
5	96	88	83	79	94	87	83	79	86	82	78	84	80	78	83	79	77	76			
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	72			
7	88	80	75	71	87	80	75	71	79	74	71	77	74	71	76	73	70	69			
8	85	77	72	68	84	76	72	68	75	71	68	74	70	68	74	70	67	66			
9	82	74	69	65	81	73	69	65	73	68	65	72	68	65	71	67	65	64			
10	79	71	66	63	78	71	66	63	70	66	63	69	65	62	69	65	62	61			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	309863	309863	309863
5°	280671	281207	281605
10°	211901	212444	213510
15°	137450	138948	141676
20°	82749	83739	84857
25°	48343	49369	50091
30°	28418	29333	29770
35°	17513	18144	18481
40°	11511	11848	12028
45°	8013	8184	8378
50°	5948	6136	6350
55°	4804	5044	5044
60°	4202	4202	4202
65°	3749	3749	3749
70°	3072	3474	3474
75°	3061	3061	3061
80°	2281	3075	3075
85°	1581	1581	1581

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 8378 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.7	23.8
10°-20°	216.7	36.4
20°-30°	123.2	20.7
30°-40°	56.2	9.4
40°-50°	27.0	4.5
50°-60°	15.1	2.5
60°-70°	9.2	1.5
70°-80°	4.9	0.8
80°-90°	1.1	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°	481.6	80.9
0°-40°	537.8	90.4
0°-60°	579.8	97.4
0°-90°	595.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	595.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1799	1799	1799	1799	1799	
5°	1624	1623	1627	1627	1629	142
15°	771	775	779	790	795	214
25°	254	254	260	262	264	121
35°	83	85	86	88	88	55
45°	33	33	34	34	34	26
55°	16	16	17	17	17	15
65°	9	9	9	9	9	9
75°	5	5	5	5	5	5
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°	1799.2	1799.2	1799.2	1799.2	1799.2
1°	1797.7	1793.1	1791.6	1790.8	1789.3
2°	1774.8	1771.0	1770.2	1770.2	1769.4
3°	1742.7	1735.8	1736.6	1734.3	1732.0
4°	1688.5	1685.4	1686.9	1688.5	1685.4
5°	1623.5	1622.8	1626.6	1626.6	1628.9
6°	1556.3	1555.5	1553.2	1559.3	1562.4
7°	1470.7	1475.3	1481.4	1478.4	1480.6
8°	1392.8	1387.4	1389.7	1397.4	1398.1
9°	1301.1	1297.3	1307.2	1310.3	1311.0
10°	1211.7	1215.5	1214.8	1225.5	1220.9
12.5°	978.7	984.8	991.7	996.3	1000.9
15°	770.9	774.7	779.3	790.0	794.6
17.5°	592.9	597.5	602.0	611.2	612.7
20°	451.5	453.8	456.9	465.3	463.0
22.5°	337.7	341.5	344.6	348.4	350.7
25°	254.4	254.4	259.8	262.1	263.6
27.5°	189.5	191.0	194.8	197.9	197.1
30°	142.9	145.2	147.5	149.0	149.7
32.5°	110.0	110.0	112.3	114.6	115.4
35°	83.3	84.8	86.3	87.9	87.9
37.5°	64.9	65.7	67.2	68.0	68.0
40°	51.2	51.2	52.7	53.5	53.5
42.5°	40.5	41.3	42.0	42.8	42.8
45°	32.9	32.9	33.6	34.4	34.4
47.5°	26.7	26.7	27.5	28.3	28.3
50°	22.2	22.9	22.9	23.7	23.7
52.5°	19.1	19.1	19.1	19.9	19.9
55°	16.0	16.0	16.8	16.8	16.8
57.5°	13.8	13.8	13.8	14.5	14.5
60°	12.2	12.2	12.2	12.2	12.2
62.5°	10.7	10.7	10.7	10.7	10.7
65°	9.2	9.2	9.2	9.2	9.2
67.5°	7.6	7.6	7.6	8.4	8.4
70°	6.1	6.9	6.9	6.9	6.9
72.5°	5.3	5.3	5.3	5.3	5.3
75°	4.6	4.6	4.6	4.6	4.6
77.5°	3.8	3.8	3.8	3.8	3.8
80°	2.3	3.1	3.1	3.1	3.1
82.5°	1.5	1.5	1.5	1.5	1.5
85°	0.8	0.8	0.8	0.8	0.8
87.5°	0.0	0.0	0.0	0.0	0.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)