

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: P1325820

Luminaire Tested: LDSQA3D09R15W2N902750DE010 3LSQPHRL1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325820
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: LDSQA3D09R15W2N902750DE010 3LSQPHRL1MW_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 5000K CCT AND, 90CRI ,
3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

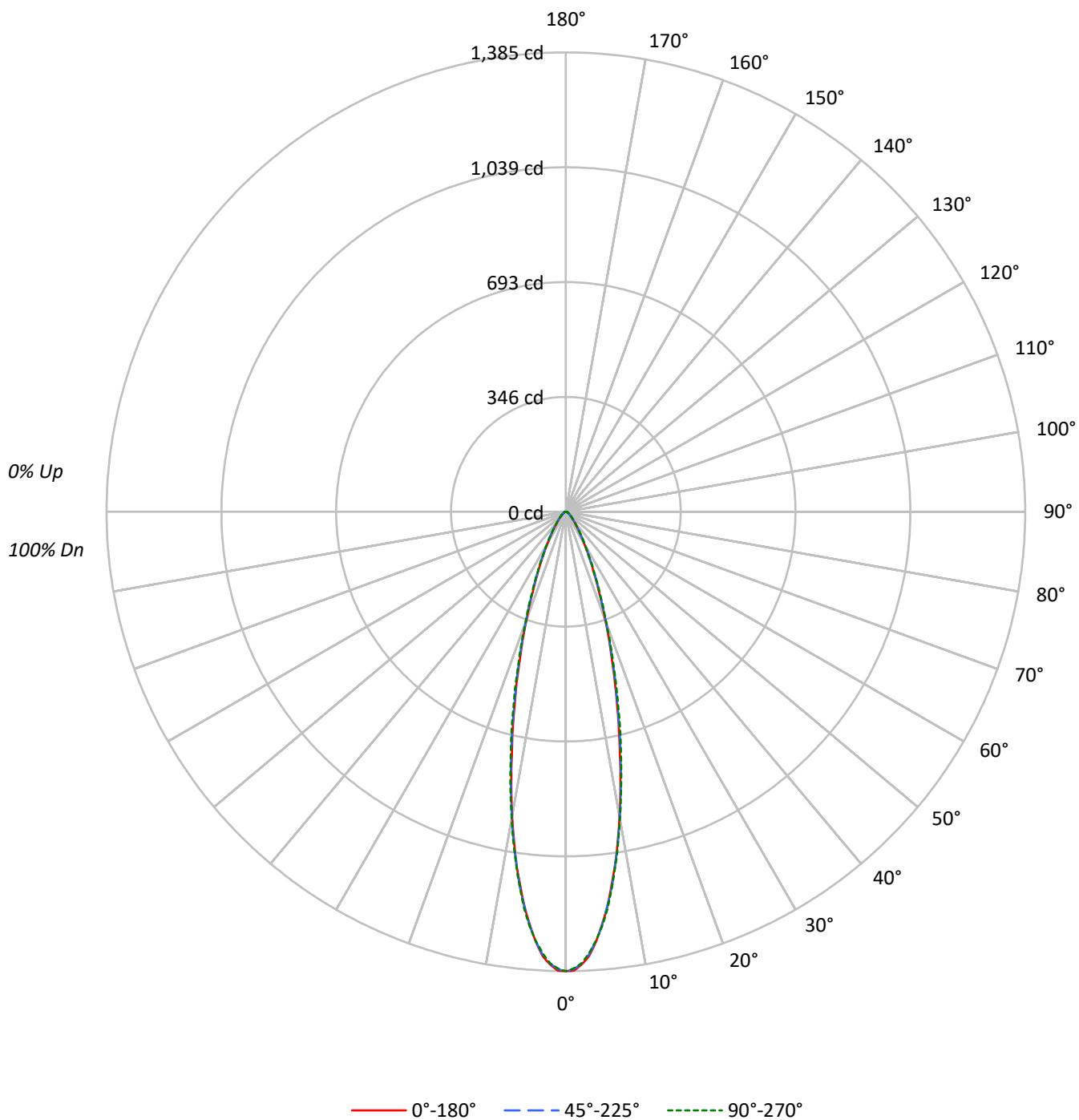
Lumens per Lamp: N/A
Luminaire Lumens: 458.0 lumens
Efficiency: N/A
Efficacy: 50.9 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	238528	238528	238528
5°	216049	216464	216758
10°	163110	163530	164352
15°	105802	106961	109047
20°	63707	64458	65319
25°	37207	38005	38556
30°	21875	22571	22929
35°	13477	13981	14213
40°	8858	9128	9263
45°	6162	6308	6454
50°	4582	4716	4876
55°	3693	3873	3873
60°	3238	3238	3238
65°	2893	2893	2893
70°	2367	2669	2669
75°	2329	2329	2329
80°	1785	2380	2380
85°	1186	1186	1186

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 6454 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.1	23.8
10°-20°	166.8	36.4
20°-30°	94.8	20.7
30°-40°	43.3	9.4
40°-50°	20.8	4.5
50°-60°	11.6	2.5
60°-70°	7.1	1.6
70°-80°	3.8	0.8
80°-90°	0.8	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°	370.7	80.9
0°-40°	414.0	90.4
0°-60°	446.3	97.4
0°-90°	458.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	458.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1385	1385	1385	1385	1385	
5°	1250	1249	1252	1252	1254	109
15°	593	596	600	608	612	165
25°	196	196	200	202	203	93
35°	64	65	66	68	68	42
45°	25	25	26	26	26	20
55°	12	12	13	13	13	11
65°	7	7	7	7	7	7
75°	4	4	4	4	4	4
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°	1385.0	1385.0	1385.0	1385.0	1385.0
1°	1383.8	1380.3	1379.1	1378.5	1377.3
2°	1366.1	1363.2	1362.6	1362.6	1362.0
3°	1341.4	1336.2	1336.7	1335.0	1333.2
4°	1299.7	1297.3	1298.5	1299.7	1297.3
5°	1249.7	1249.1	1252.1	1252.1	1253.8
6°	1197.9	1197.4	1195.6	1200.3	1202.7
7°	1132.1	1135.6	1140.3	1138.0	1139.7
8°	1072.1	1068.0	1069.7	1075.6	1076.2
9°	1001.5	998.6	1006.2	1008.6	1009.2
10°	932.7	935.7	935.1	943.3	939.8
12.5°	753.3	758.1	763.3	766.9	770.4
15°	593.4	596.3	599.9	608.1	611.6
17.5°	456.4	459.9	463.4	470.5	471.7
20°	347.6	349.3	351.7	358.1	356.4
22.5°	259.9	262.9	265.2	268.2	269.9
25°	195.8	195.8	200.0	201.7	202.9
27.5°	145.8	147.0	150.0	152.3	151.7
30°	110.0	111.7	113.5	114.7	115.3
32.5°	84.7	84.7	86.4	88.2	88.8
35°	64.1	65.3	66.5	67.6	67.6
37.5°	50.0	50.6	51.8	52.3	52.3
40°	39.4	39.4	40.6	41.2	41.2
42.5°	31.2	31.8	32.3	32.9	32.9
45°	25.3	25.3	25.9	26.5	26.5
47.5°	20.6	20.6	21.2	21.8	21.8
50°	17.1	17.6	17.6	18.2	18.2
52.5°	14.7	14.7	14.7	15.3	15.3
55°	12.3	12.3	12.9	12.9	12.9
57.5°	10.6	10.6	10.6	11.2	11.2
60°	9.4	9.4	9.4	9.4	9.4
62.5°	8.2	8.2	8.2	8.2	8.2
65°	7.1	7.1	7.1	7.1	7.1
67.5°	5.9	5.9	5.9	6.5	6.5
70°	4.7	5.3	5.3	5.3	5.3
72.5°	4.1	4.1	4.1	4.1	4.1
75°	3.5	3.5	3.5	3.5	3.5
77.5°	2.9	2.9	2.9	2.9	2.9
80°	1.8	2.4	2.4	2.4	2.4
82.5°	1.2	1.2	1.2	1.2	1.2
85°	0.6	0.6	0.6	0.6	0.6
87.5°	0.0	0.0	0.0	0.0	0.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)