

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: P1325817

Luminaire Tested: LDSQA3D09R15W2N902750DE010 3LSQPHRL1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325817
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_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 3000K CCT AND, 90CRI ,
3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

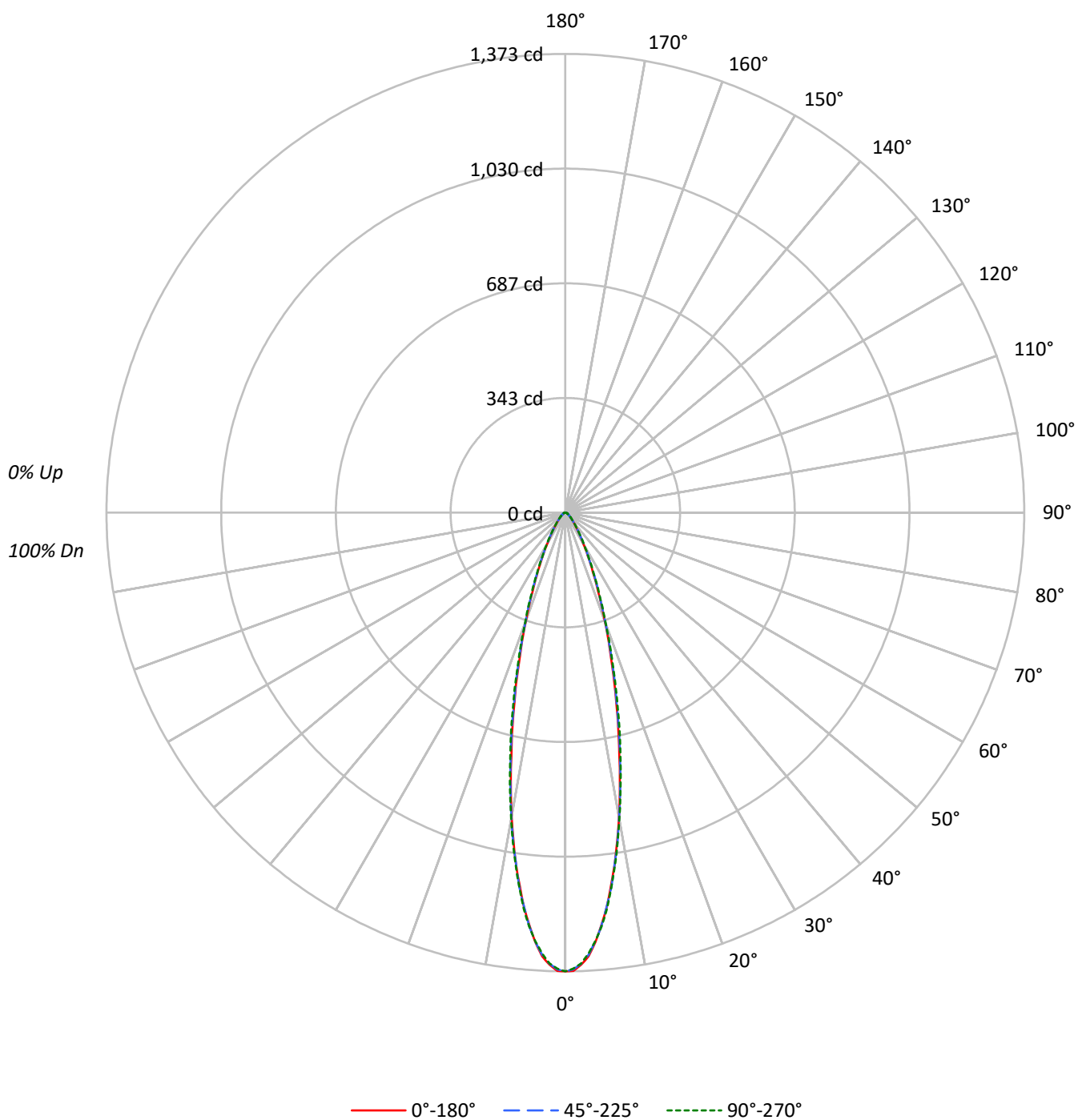
Lumens per Lamp: N/A
Luminaire Lumens: 454.0 lumens
Efficiency: N/A
Efficacy: 50.4 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	236444	236444	236444
5°	214164	214562	214873
10°	161694	162096	162918
15°	104875	106016	108102
20°	63138	63890	64751
25°	36884	37663	38214
30°	21676	22372	22730
35°	13351	13855	14086
40°	8790	9038	9173
45°	6113	6259	6381
50°	4528	4689	4850
55°	3663	3843	3843
60°	3203	3203	3203
65°	2853	2853	2853
70°	2367	2618	2618
75°	2329	2329	2329
80°	1686	2281	2281
85°	1186	1186	1186

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 6381 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.1	23.8
10°-20°	165.4	36.4
20°-30°	94.0	20.7
30°-40°	42.9	9.4
40°-50°	20.6	4.5
50°-60°	11.5	2.5
60°-70°	7.0	1.5
70°-80°	3.7	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°	367.5	80.9
0°-40°	410.3	90.4
0°-60°	442.4	97.4
0°-90°	454.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	454.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1373	1373	1373	1373	1373	
5°	1239	1238	1241	1241	1243	108
15°	588	591	595	603	606	163
25°	194	194	198	200	201	92
35°	64	65	66	67	67	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°	1372.9	1372.9	1372.9	1372.9	1372.9
1°	1371.7	1368.2	1367.0	1366.5	1365.3
2°	1354.2	1351.3	1350.7	1350.7	1350.1
3°	1329.7	1324.5	1325.1	1323.3	1321.6
4°	1288.3	1286.0	1287.2	1288.3	1286.0
5°	1238.8	1238.2	1241.1	1241.1	1242.9
6°	1187.5	1186.9	1185.2	1189.8	1192.1
7°	1122.2	1125.7	1130.4	1128.0	1129.8
8°	1062.7	1058.7	1060.4	1066.2	1066.8
9°	992.8	989.9	997.4	999.8	1000.4
10°	924.6	927.5	926.9	935.1	931.6
12.5°	746.8	751.4	756.7	760.2	763.7
15°	588.2	591.1	594.6	602.8	606.3
17.5°	452.4	455.9	459.4	466.4	467.5
20°	344.5	346.3	348.6	355.0	353.3
22.5°	257.7	260.6	262.9	265.8	267.6
25°	194.1	194.1	198.2	200.0	201.1
27.5°	144.6	145.7	148.7	151.0	150.4
30°	109.0	110.8	112.5	113.7	114.3
32.5°	83.9	83.9	85.7	87.4	88.0
35°	63.5	64.7	65.9	67.0	67.0
37.5°	49.6	50.1	51.3	51.9	51.9
40°	39.1	39.1	40.2	40.8	40.8
42.5°	30.9	31.5	32.1	32.6	32.6
45°	25.1	25.1	25.7	26.2	26.2
47.5°	20.4	20.4	21.0	21.6	21.6
50°	16.9	17.5	17.5	18.1	18.1
52.5°	14.6	14.6	14.6	15.2	15.2
55°	12.2	12.2	12.8	12.8	12.8
57.5°	10.5	10.5	10.5	11.1	11.1
60°	9.3	9.3	9.3	9.3	9.3
62.5°	8.2	8.2	8.2	8.2	8.2
65°	7.0	7.0	7.0	7.0	7.0
67.5°	5.8	5.8	5.8	6.4	6.4
70°	4.7	5.2	5.2	5.2	5.2
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°	1.7	2.3	2.3	2.3	2.3
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)