

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: P1325809

Luminaire Tested: LDSQA3D09R15W2N902750DE010 3LSQPHRL1MB_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325809
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 3LSQPHRL1MB_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 4000K CCT AND, 90CRI ,
3LSQPHRL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

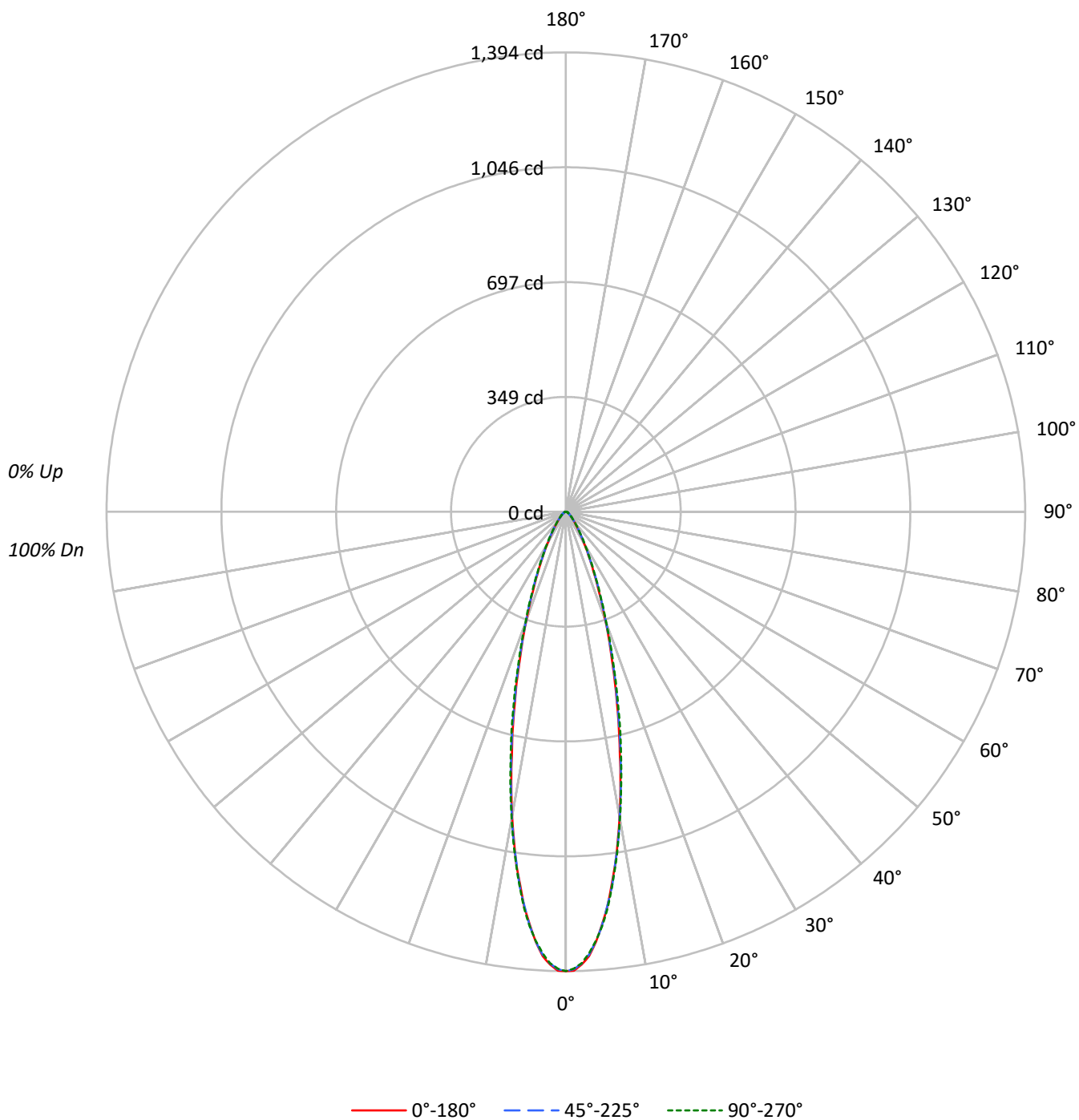
Lumens per Lamp: N/A
Luminaire Lumens: 461.0 lumens
Efficiency: N/A
Efficacy: 51.2 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	240078	240078	240078
5°	217466	217881	218175
10°	164177	164597	165418
15°	106497	107656	109760
20°	64110	64880	65741
25°	37454	38252	38803
30°	22014	22710	23068
35°	13561	14065	14318
40°	8925	9173	9308
45°	6211	6333	6479
50°	4608	4769	4930
55°	3723	3903	3903
60°	3272	3272	3272
65°	2893	2893	2893
70°	2367	2669	2669
75°	2396	2396	2396
80°	1785	2380	2380
85°	1186	1186	1186

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 6479 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.8	23.8
10°-20°	167.9	36.4
20°-30°	95.4	20.7
30°-40°	43.5	9.4
40°-50°	20.9	4.5
50°-60°	11.7	2.5
60°-70°	7.1	1.5
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°	373.1	80.9
0°-40°	416.7	90.4
0°-60°	449.2	97.4
0°-90°	461.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	461.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1394	1394	1394	1394	1394	
5°	1258	1257	1260	1260	1262	110
15°	597	600	604	612	616	166
25°	197	197	201	203	204	94
35°	64	66	67	68	68	42
45°	26	26	26	27	27	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°	1394.0	1394.0	1394.0	1394.0	1394.0
1°	1392.8	1389.3	1388.1	1387.5	1386.3
2°	1375.1	1372.1	1371.5	1371.5	1370.9
3°	1350.2	1344.9	1345.5	1343.7	1341.9
4°	1308.2	1305.8	1307.0	1308.2	1305.8
5°	1257.9	1257.3	1260.3	1260.3	1262.0
6°	1205.8	1205.2	1203.4	1208.2	1210.5
7°	1139.5	1143.0	1147.8	1145.4	1147.2
8°	1079.1	1075.0	1076.8	1082.7	1083.3
9°	1008.1	1005.1	1012.8	1015.2	1015.8
10°	938.8	941.8	941.2	949.5	945.9
12.5°	758.3	763.0	768.3	771.9	775.4
15°	597.3	600.2	603.8	612.1	615.6
17.5°	459.4	462.9	466.5	473.6	474.7
20°	349.8	351.6	354.0	360.5	358.7
22.5°	261.6	264.6	267.0	269.9	271.7
25°	197.1	197.1	201.3	203.0	204.2
27.5°	146.8	148.0	150.9	153.3	152.7
30°	110.7	112.5	114.2	115.4	116.0
32.5°	85.2	85.2	87.0	88.8	89.4
35°	64.5	65.7	66.9	68.1	68.1
37.5°	50.3	50.9	52.1	52.7	52.7
40°	39.7	39.7	40.8	41.4	41.4
42.5°	31.4	32.0	32.6	33.1	33.1
45°	25.5	25.5	26.0	26.6	26.6
47.5°	20.7	20.7	21.3	21.9	21.9
50°	17.2	17.8	17.8	18.4	18.4
52.5°	14.8	14.8	14.8	15.4	15.4
55°	12.4	12.4	13.0	13.0	13.0
57.5°	10.7	10.7	10.7	11.2	11.2
60°	9.5	9.5	9.5	9.5	9.5
62.5°	8.3	8.3	8.3	8.3	8.3
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°	3.6	3.6	3.6	3.6	3.6
77.5°	3.0	3.0	3.0	3.0	3.0
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)