

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: P1314518

Luminaire Tested: LDSQA3D09R459730DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314518
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-69)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R459730DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 3000K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

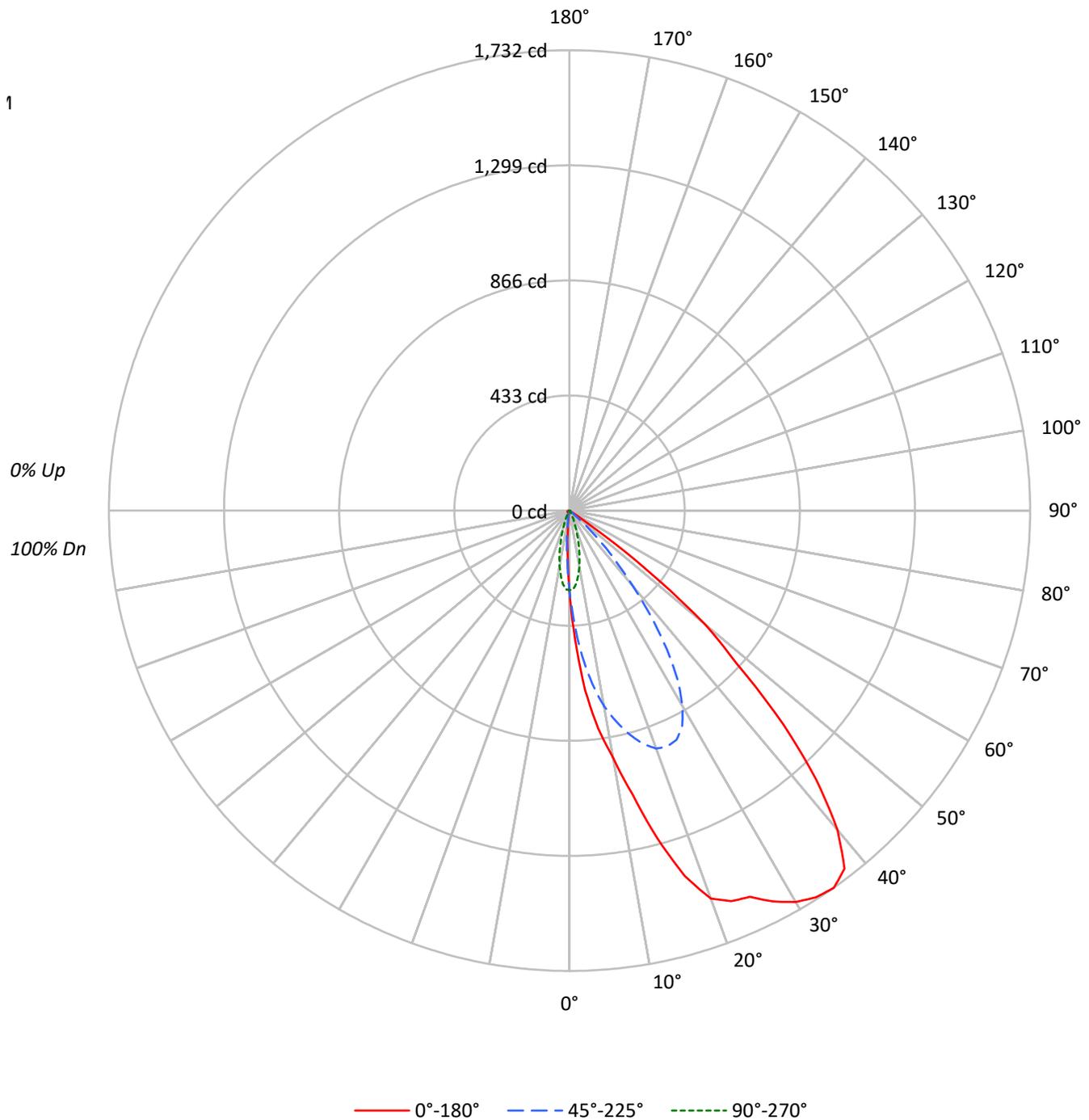
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 785.0 lumens
Efficiency: N/A
Efficacy: 70.7 lumens/watt
Spacing Criteria (0/90/45): 2.13 / 0.47 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
Input Voltage (V): NR
Input Current (A_{in}): 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		0	
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	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91	91	91
2	105	100	95	91	103	98	93	90	95	91	88	91	88	86	89	86	84	82	82	82
3	99	91	85	80	96	89	84	80	87	82	78	84	80	77	82	79	76	74	74	74
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	76	72	68	67	67	67
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	60	60	60
6	81	70	63	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54	54	54
7	75	64	57	52	74	63	57	52	62	56	51	61	55	51	60	55	51	49	49	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45	45	45
9	66	55	48	43	65	54	47	43	53	47	43	52	47	43	51	46	42	41	41	41
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37	37	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	51443	51443	51443	51443	51443
5°	117248	95102	48130	19293	13173
10°	165209	130652	37197	4250	1959
15°	227669	155440	23767	1409	1177
20°	284682	174588	12389	971	971
25°	304651	180772	5739	741	874
30°	338131	168817	2605	776	915
35°	364250	134578	820	820	1114
40°	352451	83386	450	1034	1326
45°	276781	39335	487	1291	1607
50°	177826	4582	697	1581	2117
55°	26993	390	781	1982	2552
60°	448	448	896	2273	2721
65°	530	530	1060	2404	3219
70°	655	655	1309	2669	3626
75°	466	865	1730	3061	3926
80°	694	1289	1984	3273	4562
85°	0	1383	2569	3952	3952

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 276781 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.7	4.2
10°-20°	118.2	15.1
20°-30°	207.6	26.5
30°-40°	235.8	30.0
40°-50°	152.7	19.4
50°-60°	30.0	3.8
60°-70°	3.6	0.5
70°-80°	3.0	0.4
80°-90°	1.4	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°	358.5	45.7
0°-40°	594.3	75.7
0°-60°	777.0	99.0
0°-90°	785.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	785.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	299	299	299	299	299	
5°	678	550	278	112	76	72
15°	1277	872	133	8	7	368
25°	1603	951	30	4	5	752
35°	1732	640	4	4	5	1065
45°	1136	162	2	5	7	857
55°	90	1	3	7	8	172
65°	1	1	3	6	8	1
75°	1	1	3	5	6	1
85°	0	1	1	2	2	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	298.7	298.7	298.7	298.7	298.7	298.7	298.7	298.7	298.7	298.7	298.7
2.5°	485.2	483.8	485.8	472.7	472.0	462.2	459.6	448.4	433.3	426.1	409.0
5°	678.2	671.6	671.6	655.8	650.6	639.4	620.4	596.8	577.1	550.1	521.3
7.5°	827.2	825.9	825.9	812.1	799.0	783.2	757.6	730.7	699.2	657.8	615.8
10°	944.7	946.7	940.8	928.3	909.3	892.2	862.0	829.2	790.4	747.1	691.3
12.5°	1093.1	1078.6	1074.0	1045.8	1021.5	988.7	952.6	915.2	867.2	812.7	749.7
15°	1276.9	1258.5	1240.1	1202.7	1162.0	1111.5	1055.0	999.9	938.1	871.8	793.1
17.5°	1441.0	1441.0	1416.7	1357.6	1305.1	1230.3	1154.1	1080.6	1007.7	920.4	821.9
20°	1553.3	1547.4	1529.0	1485.7	1425.9	1341.2	1242.1	1139.0	1051.1	952.6	838.4
22.5°	1590.0	1588.7	1589.4	1563.8	1515.9	1427.9	1306.4	1185.0	1074.7	960.5	830.5
25°	1603.2	1605.8	1612.4	1602.5	1566.4	1478.4	1345.8	1206.6	1081.9	951.3	800.3
27.5°	1657.7	1652.4	1659.6	1653.1	1612.4	1507.3	1353.7	1201.4	1066.2	917.8	746.4
30°	1700.3	1699.0	1711.5	1705.6	1652.4	1525.7	1346.5	1181.7	1027.4	848.9	661.8
32.5°	1724.6	1725.3	1728.6	1704.3	1625.5	1485.7	1311.0	1141.7	954.6	758.9	551.5
35°	1732.5	1728.6	1710.2	1650.4	1542.8	1393.1	1223.7	1046.5	855.4	640.1	435.9
37.5°	1698.4	1678.0	1630.7	1541.5	1416.7	1276.9	1112.1	926.3	719.5	505.5	325.0
40°	1567.7	1540.8	1481.1	1389.8	1273.6	1138.4	969.7	775.3	558.0	370.9	228.5
42.5°	1372.1	1358.3	1295.9	1216.5	1118.0	981.5	807.5	610.5	412.9	256.0	145.7
45°	1136.4	1118.7	1079.3	1009.0	931.6	788.5	626.3	437.2	281.6	161.5	72.2
47.5°	852.1	853.5	826.5	773.4	697.2	577.7	428.7	293.5	176.6	83.4	16.4
50°	663.7	654.5	616.5	562.0	473.3	384.7	277.0	185.1	93.2	17.1	1.3
52.5°	367.6	373.5	353.2	335.5	289.5	229.8	163.5	93.9	19.7	2.0	1.3
55°	89.9	95.2	91.3	93.2	96.5	86.0	66.3	18.4	2.0	1.3	1.3
57.5°	2.0	2.0	2.0	2.0	3.3	4.6	4.6	1.3	1.3	1.3	1.3
60°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
62.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
65°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
67.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
70°	1.3	1.3	1.3	0.7	1.3	1.3	1.3	1.3	1.3	1.3	1.3
72.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.3	1.3	1.3
75°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.3	1.3	1.3
77.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.3	1.3
80°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.3	1.3
82.5°	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	1.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	298.7	298.7	298.7	298.7	298.7	298.7	298.7	298.7
2.5°	400.5	388.0	365.0	296.7	238.3	192.4	164.8	162.2
5°	495.7	462.2	413.6	278.4	175.9	111.6	80.7	76.2
7.5°	571.2	523.9	449.0	248.2	120.1	57.1	31.5	26.3
10°	633.5	566.6	467.4	212.7	75.5	24.3	13.1	11.2
12.5°	676.2	595.4	470.7	173.3	43.3	11.8	8.5	7.9
15°	703.8	604.6	455.0	133.3	24.3	7.9	7.2	6.6
17.5°	714.9	596.8	424.8	96.5	13.1	5.9	5.9	5.9
20°	709.7	571.2	380.1	67.6	8.5	5.3	5.3	5.3
22.5°	684.7	527.2	324.3	45.3	5.9	4.6	4.6	4.6
25°	635.5	467.4	265.2	30.2	3.9	3.9	4.6	4.6
27.5°	562.0	393.9	202.9	20.4	3.3	3.9	4.6	4.6
30°	469.4	311.8	145.7	13.1	3.3	3.9	3.9	4.6
32.5°	372.9	227.1	95.8	7.9	2.6	3.9	4.6	5.3
35°	270.5	154.9	61.1	3.9	3.3	3.9	4.6	5.3
37.5°	189.7	101.1	35.5	2.6	3.3	3.9	5.3	5.3
40°	123.4	56.5	13.1	2.0	3.3	4.6	5.3	5.9
42.5°	64.3	19.7	2.6	2.0	3.3	4.6	5.9	6.6
45°	16.4	2.6	0.7	2.0	3.9	5.3	6.6	6.6
47.5°	2.0	0.7	0.7	2.6	3.9	5.9	6.6	7.2
50°	0.7	1.3	1.3	2.6	3.9	5.9	7.2	7.9
52.5°	1.3	1.3	1.3	2.6	4.6	5.9	7.9	8.5
55°	1.3	1.3	1.3	2.6	4.6	6.6	7.9	8.5
57.5°	1.3	1.3	1.3	2.6	4.6	6.6	7.9	7.9
60°	1.3	1.3	1.3	2.6	4.6	6.6	7.9	7.9
62.5°	1.3	1.3	2.0	2.6	4.6	5.9	7.9	7.9
65°	1.3	2.0	2.0	2.6	4.6	5.9	7.2	7.9
67.5°	1.3	1.3	2.0	2.6	4.6	5.9	7.2	7.9
70°	1.3	1.3	2.0	2.6	3.9	5.3	6.6	7.2
72.5°	1.3	1.3	2.0	2.6	3.9	5.3	5.9	6.6
75°	1.3	1.3	2.0	2.6	3.3	4.6	5.9	5.9
77.5°	1.3	1.3	2.0	2.0	3.3	3.9	5.3	5.3
80°	1.3	1.3	2.0	2.0	2.6	3.3	3.9	4.6
82.5°	1.3	1.3	1.3	2.0	2.0	2.6	3.3	3.3
85°	1.3	1.3	1.3	1.3	1.3	2.0	2.0	2.0
87.5°	0.7	1.3	1.3	1.3	1.3	1.3	1.3	0.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)