

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: P1319044

Luminaire Tested: LDSQA3D09R159835DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319044
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: LDSQA3D09R159835DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 98CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

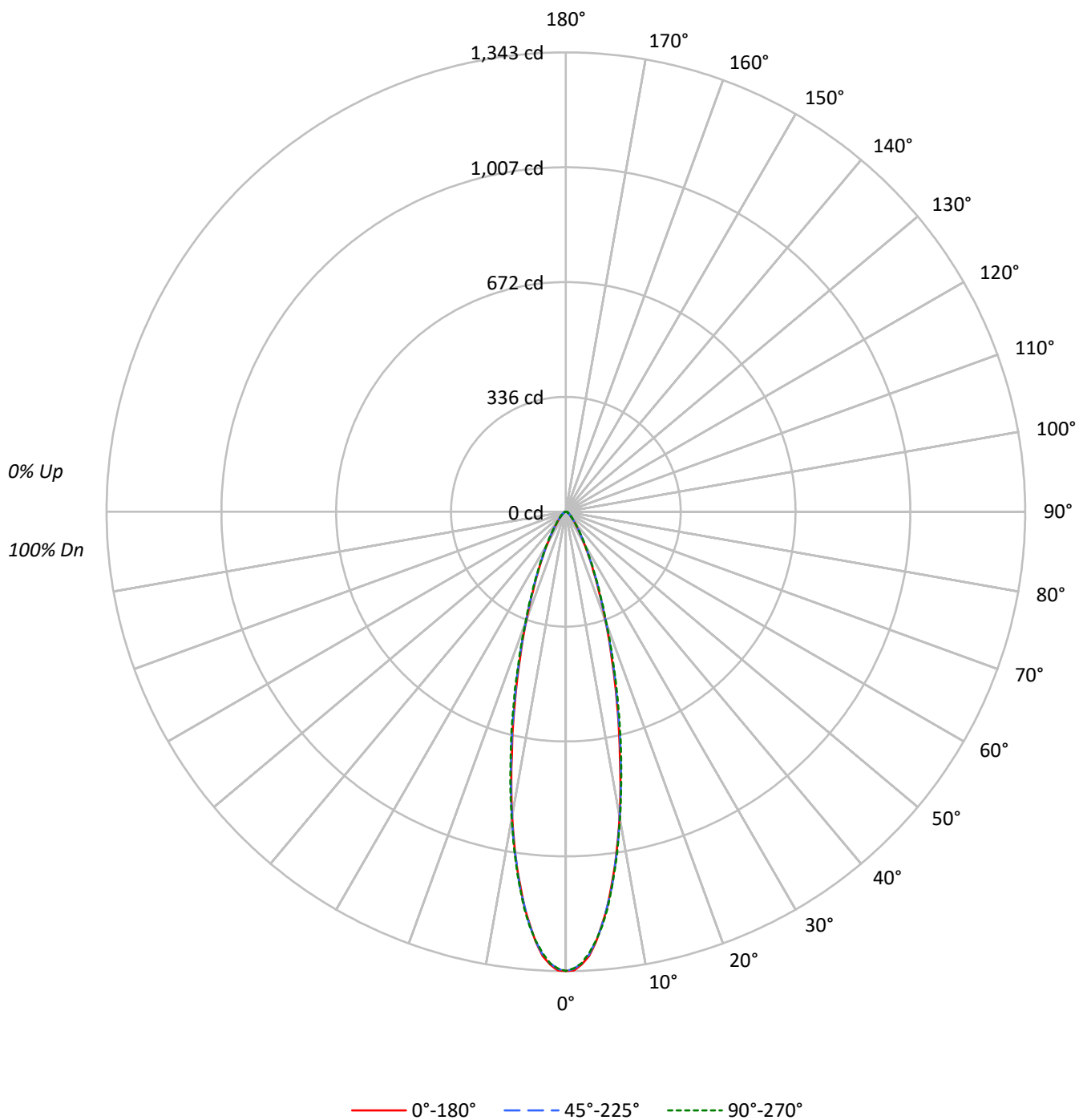
Lumens per Lamp: N/A
Luminaire Lumens: 444.0 lumens
Efficiency: N/A
Efficacy: 40.4 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	101	97	107	103	99	96	99	97	94		97	94	92		94
3	104	98	94	90	102	97	93	89	94	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	85	82		86
5	96	88	83	79	94	87	83	79	86	82	78		84	80	78		83
6	92	84	79	75	91	83	78	75	82	78	74		81	77	74		79
7	88	80	75	71	87	80	75	71	79	74	71		77	74	71		76
8	85	77	72	68	84	76	72	68	75	71	68		74	70	68		74
9	82	74	69	65	81	73	69	65	73	68	65		72	68	65		71
10	79	71	66	63	78	71	66	63	70	66	63		69	65	62		69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	231226	231226	231226
5°	209445	209842	210136
10°	158126	158528	159315
15°	102557	103680	105713
20°	61746	62479	63322
25°	36067	36827	37378
30°	21199	21875	22213
35°	13056	13540	13792
40°	8588	8835	8970
45°	5967	6113	6259
50°	4421	4582	4742
55°	3603	3753	3753
60°	3134	3134	3134
65°	2771	2771	2771
70°	2316	2568	2568
75°	2262	2262	2262
80°	1686	2281	2281
85°	1186	1186	1186

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 6259 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.8	23.8
10°-20°	161.7	36.4
20°-30°	91.9	20.7
30°-40°	41.9	9.4
40°-50°	20.1	4.5
50°-60°	11.2	2.5
60°-70°	6.9	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°	359.4	80.9
0°-40°	401.3	90.4
0°-60°	432.7	97.4
0°-90°	444.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	444.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1343	1343	1343	1343	1343	
5°	1212	1211	1214	1214	1216	106
15°	575	578	582	590	593	160
25°	190	190	194	196	197	90
35°	62	63	64	66	66	41
45°	24	24	25	26	26	20
55°	12	12	12	12	12	11
65°	7	7	7	7	7	7
75°	3	3	3	3	3	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°	1342.6	1342.6	1342.6	1342.6	1342.6
1°	1341.5	1338.1	1336.9	1336.4	1335.2
2°	1324.4	1321.5	1321.0	1321.0	1320.4
3°	1300.4	1295.3	1295.9	1294.2	1292.5
4°	1260.0	1257.7	1258.8	1260.0	1257.7
5°	1211.5	1210.9	1213.8	1213.8	1215.5
6°	1161.3	1160.8	1159.0	1163.6	1165.9
7°	1097.5	1100.9	1105.5	1103.2	1104.9
8°	1039.3	1035.3	1037.0	1042.7	1043.3
9°	970.9	968.1	975.5	977.8	978.3
10°	904.2	907.1	906.5	914.5	911.0
12.5°	730.3	734.9	740.0	743.4	746.9
15°	575.2	578.1	581.5	589.5	592.9
17.5°	442.4	445.8	449.3	456.1	457.2
20°	336.9	338.6	340.9	347.2	345.5
22.5°	252.0	254.8	257.1	260.0	261.7
25°	189.8	189.8	193.8	195.6	196.7
27.5°	141.4	142.5	145.4	147.7	147.1
30°	106.6	108.3	110.0	111.2	111.7
32.5°	82.1	82.1	83.8	85.5	86.1
35°	62.1	63.3	64.4	65.6	65.6
37.5°	48.5	49.0	50.2	50.7	50.7
40°	38.2	38.2	39.3	39.9	39.9
42.5°	30.2	30.8	31.4	31.9	31.9
45°	24.5	24.5	25.1	25.7	25.7
47.5°	20.0	20.0	20.5	21.1	21.1
50°	16.5	17.1	17.1	17.7	17.7
52.5°	14.3	14.3	14.3	14.8	14.8
55°	12.0	12.0	12.5	12.5	12.5
57.5°	10.3	10.3	10.3	10.8	10.8
60°	9.1	9.1	9.1	9.1	9.1
62.5°	8.0	8.0	8.0	8.0	8.0
65°	6.8	6.8	6.8	6.8	6.8
67.5°	5.7	5.7	5.7	6.3	6.3
70°	4.6	5.1	5.1	5.1	5.1
72.5°	4.0	4.0	4.0	4.0	4.0
75°	3.4	3.4	3.4	3.4	3.4
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°	1.1	1.1	1.1	1.1	1.1
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)