

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: P1319934

Luminaire Tested: LDSQA3D09R209840DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319934
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R209840DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 98CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

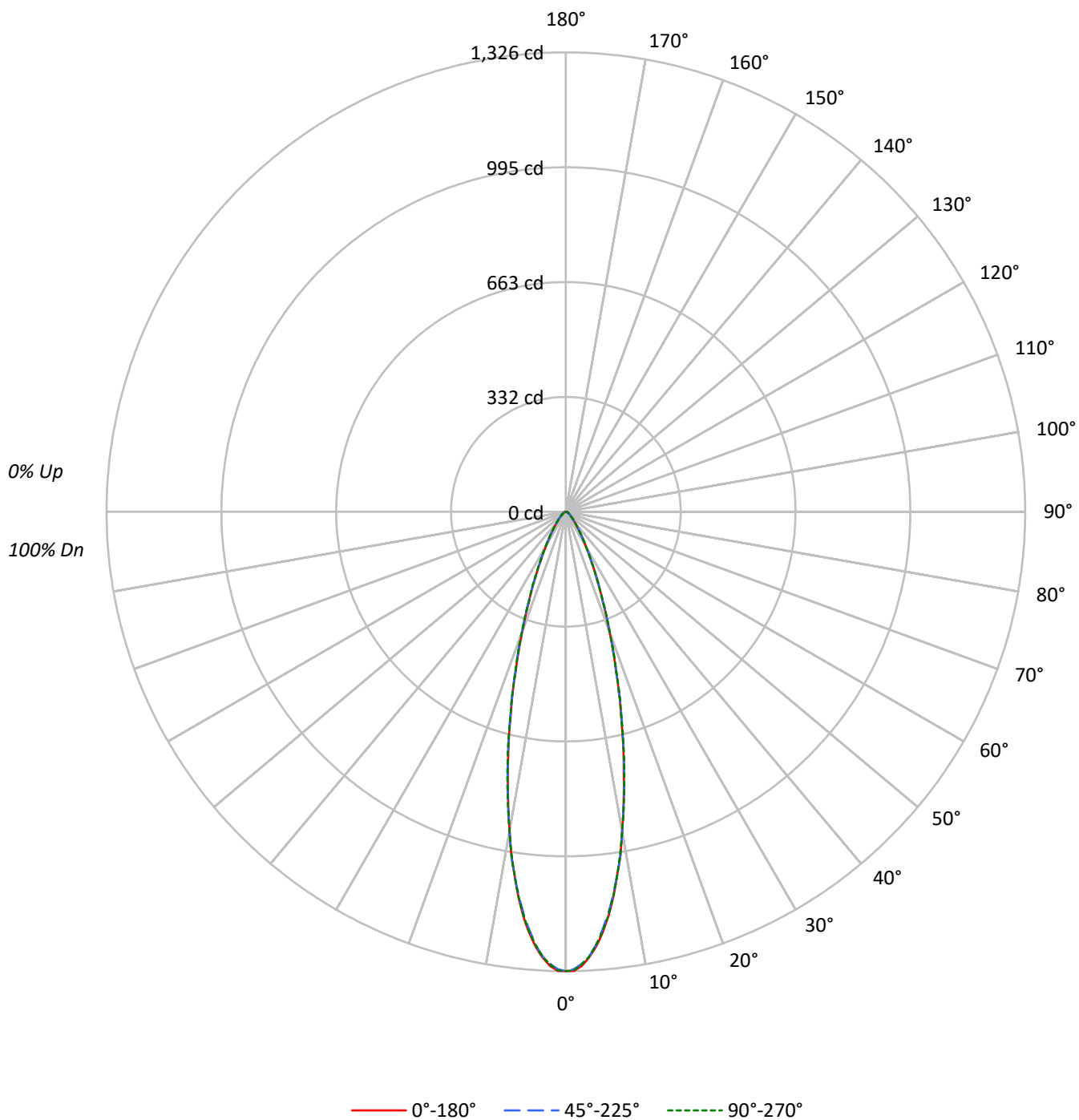
Lumens per Lamp: N/A
Luminaire Lumens: 466.0 lumens
Efficiency: N/A
Efficacy: 42.4 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	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	96	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	84	82	86	83	81	81	81	79
5	96	88	83	79	94	87	82	79	86	81	78	84	80	77	82	79	77	77	77	75
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	73	73	72
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	70	70	69
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	67	67	66
9	82	74	69	65	81	73	68	65	72	68	65	71	67	65	71	67	64	64	64	63
10	79	71	66	62	78	70	66	62	70	65	62	69	65	62	68	65	62	62	62	61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	228367	228367	228367
5°	210689	209479	210188
10°	163495	163705	163705
15°	110509	111026	111026
20°	67115	67959	68288
25°	39374	39925	39811
30°	22969	23426	23546
35°	14023	14402	14402
40°	9128	9263	9398
45°	6357	6503	6649
50°	4662	4823	4823
55°	3663	3843	3843
60°	3203	3203	3410
65°	2853	2853	3056
70°	2618	2618	2618
75°	2329	2329	2329
80°	1686	1686	2281
85°	1186	1186	2371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 6649 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.9	22.9
10°-20°	171.2	36.7
20°-30°	99.2	21.3
30°-40°	44.5	9.5
40°-50°	21.1	4.5
50°-60°	11.5	2.5
60°-70°	7.0	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°	377.3	81.0
0°-40°	421.8	90.5
0°-60°	454.4	97.5
0°-90°	466.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	466.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1326	1326	1326	1326	1326	
5°	1219	1215	1212	1214	1216	107
15°	620	620	623	620	623	171
25°	207	207	210	208	210	98
35°	67	67	68	69	68	44
45°	26	26	27	27	27	21
55°	12	12	13	13	13	11
65°	7	7	7	7	8	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°	1326.0	1326.0	1326.0	1326.0	1326.0
1°	1325.5	1322.0	1320.8	1319.7	1323.1
2°	1312.1	1308.0	1305.7	1306.9	1307.5
3°	1288.3	1286.0	1286.0	1284.3	1285.4
4°	1257.6	1252.9	1252.9	1253.5	1253.5
5°	1218.7	1214.6	1211.7	1214.0	1215.8
6°	1175.2	1169.9	1167.6	1168.2	1172.3
7°	1121.8	1114.8	1116.0	1118.9	1118.9
8°	1061.4	1060.8	1062.0	1060.8	1062.0
9°	1005.7	997.6	1004.5	998.7	1001.6
10°	934.9	934.3	936.1	937.8	936.1
12.5°	773.6	776.5	777.6	775.3	780.5
15°	619.8	619.8	622.7	619.8	622.7
17.5°	482.2	481.7	484.0	481.7	485.1
20°	366.2	370.2	370.8	370.8	372.6
22.5°	276.2	276.2	278.6	279.1	278.0
25°	207.2	207.2	210.1	208.3	209.5
27.5°	153.2	154.4	156.7	157.8	157.8
30°	115.5	116.1	117.8	118.4	118.4
32.5°	87.0	88.2	89.4	89.9	90.5
35°	66.7	67.3	68.5	69.1	68.5
37.5°	51.1	51.6	52.8	53.4	53.4
40°	40.6	40.6	41.2	41.8	41.8
42.5°	31.9	32.5	32.5	33.1	33.1
45°	26.1	26.1	26.7	26.7	27.3
47.5°	20.9	20.9	21.5	22.1	22.1
50°	17.4	17.4	18.0	18.0	18.0
52.5°	14.5	14.5	15.1	15.1	15.1
55°	12.2	12.2	12.8	12.8	12.8
57.5°	10.4	10.4	11.0	11.0	11.0
60°	9.3	9.3	9.3	9.3	9.9
62.5°	8.1	8.1	8.1	8.1	8.1
65°	7.0	7.0	7.0	7.0	7.5
67.5°	5.8	5.8	5.8	5.8	6.4
70°	5.2	5.2	5.2	5.2	5.2
72.5°	4.1	4.1	4.1	4.6	4.6
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	1.7	1.7	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	1.2
87.5°	0.0	0.0	0.0	0.6	0.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)