

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: P1319204

Luminaire Tested: LDSQA3D13R209835DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319204
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: LDSQA3D13R209835DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 98CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

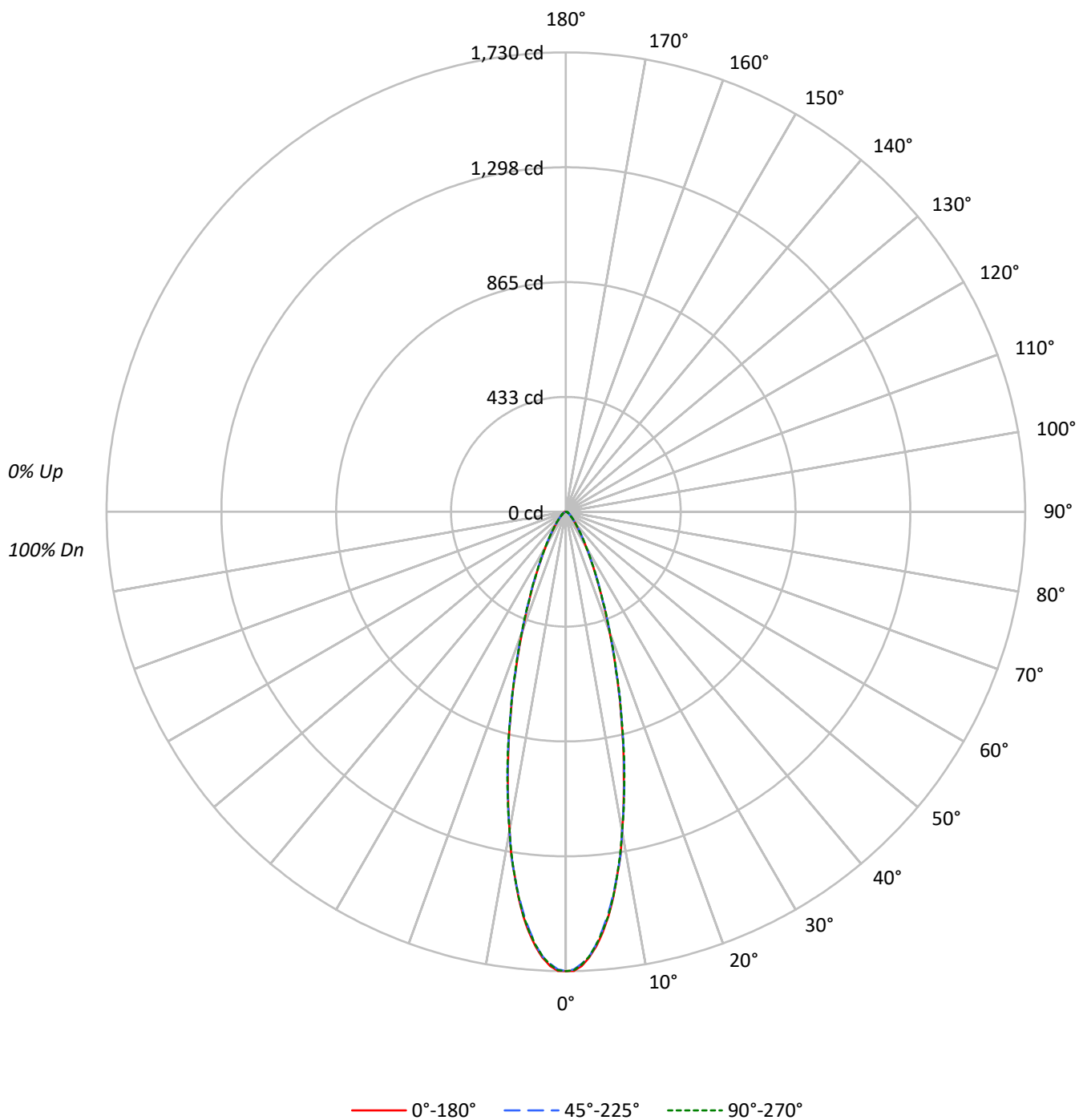
Lumens per Lamp: N/A
Luminaire Lumens: 608.0 lumens
Efficiency: N/A
Efficacy: 41.9 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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		96	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	84	82		86
5	96	88	83	79	94	87	82	79	86	81	78		84	80	77		82
6	92	84	79	75	90	83	78	75	82	77	74		80	77	74		79
7	88	80	75	71	87	80	75	71	78	74	71		77	73	70		76
8	85	77	72	68	84	76	71	68	75	71	68		74	70	67		73
9	82	74	69	65	81	73	68	65	72	68	65		71	67	65		71
10	79	71	66	62	78	70	66	62	70	65	62		69	65	62		68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	297962	297962	297962
5°	274880	273307	274223
10°	213318	213580	213580
15°	144172	144849	144849
20°	87569	88669	89090
25°	51364	52086	51934
30°	29969	30566	30725
35°	18312	18775	18775
40°	11915	12095	12253
45°	8305	8476	8671
50°	6082	6296	6296
55°	4774	5014	5014
60°	4168	4168	4443
65°	3708	3708	3994
70°	3424	3424	3424
75°	2994	2994	2994
80°	2281	2281	2975
85°	1581	1581	2964

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 8671 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.5	22.9
10°-20°	223.4	36.7
20°-30°	129.4	21.3
30°-40°	58.0	9.5
40°-50°	27.5	4.5
50°-60°	15.1	2.5
60°-70°	9.1	1.5
70°-80°	4.9	0.8
80°-90°	1.1	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°	492.3	81.0
0°-40°	550.3	90.5
0°-60°	592.9	97.5
0°-90°	608.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	608.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1730	1730	1730	1730	1730	
5°	1590	1585	1581	1584	1586	140
15°	809	809	812	809	812	223
25°	270	270	274	272	273	128
35°	87	88	89	90	89	57
45°	34	34	35	35	36	27
55°	16	16	17	17	17	15
65°	9	9	9	9	10	9
75°	4	4	4	4	4	5
85°	1	1	1	1	2	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1730.1	1730.1	1730.1	1730.1	1730.1
1°	1729.3	1724.8	1723.3	1721.8	1726.3
2°	1711.9	1706.6	1703.6	1705.1	1705.9
3°	1680.9	1677.9	1677.9	1675.6	1677.1
4°	1640.8	1634.7	1634.7	1635.5	1635.5
5°	1590.0	1584.7	1580.9	1584.0	1586.2
6°	1533.2	1526.4	1523.4	1524.2	1529.5
7°	1463.6	1454.5	1456.0	1459.8	1459.8
8°	1384.8	1384.1	1385.6	1384.1	1385.6
9°	1312.2	1301.6	1310.6	1303.1	1306.9
10°	1219.8	1219.0	1221.3	1223.6	1221.3
12.5°	1009.3	1013.1	1014.6	1011.6	1018.4
15°	808.6	808.6	812.4	808.6	812.4
17.5°	629.2	628.4	631.5	628.4	633.0
20°	477.8	483.1	483.8	483.8	486.1
22.5°	360.4	360.4	363.4	364.2	362.7
25°	270.3	270.3	274.1	271.8	273.3
27.5°	199.9	201.4	204.4	205.9	205.9
30°	150.7	151.4	153.7	154.5	154.5
32.5°	113.6	115.1	116.6	117.4	118.1
35°	87.1	87.8	89.3	90.1	89.3
37.5°	66.6	67.4	68.9	69.7	69.7
40°	53.0	53.0	53.8	54.5	54.5
42.5°	41.6	42.4	42.4	43.2	43.2
45°	34.1	34.1	34.8	34.8	35.6
47.5°	27.3	27.3	28.0	28.8	28.8
50°	22.7	22.7	23.5	23.5	23.5
52.5°	18.9	18.9	19.7	19.7	19.7
55°	15.9	15.9	16.7	16.7	16.7
57.5°	13.6	13.6	14.4	14.4	14.4
60°	12.1	12.1	12.1	12.1	12.9
62.5°	10.6	10.6	10.6	10.6	10.6
65°	9.1	9.1	9.1	9.1	9.8
67.5°	7.6	7.6	7.6	7.6	8.3
70°	6.8	6.8	6.8	6.8	6.8
72.5°	5.3	5.3	5.3	6.1	6.1
75°	4.5	4.5	4.5	4.5	4.5
77.5°	3.8	3.8	3.8	3.8	3.8
80°	2.3	2.3	2.3	3.0	3.0
82.5°	1.5	1.5	1.5	1.5	1.5
85°	0.8	0.8	0.8	0.8	1.5
87.5°	0.0	0.0	0.0	0.8	0.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)