

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: P1317452

Luminaire Tested: LDSQA3D13R209827DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317452
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: LDSQA3D13R209827DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 98CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

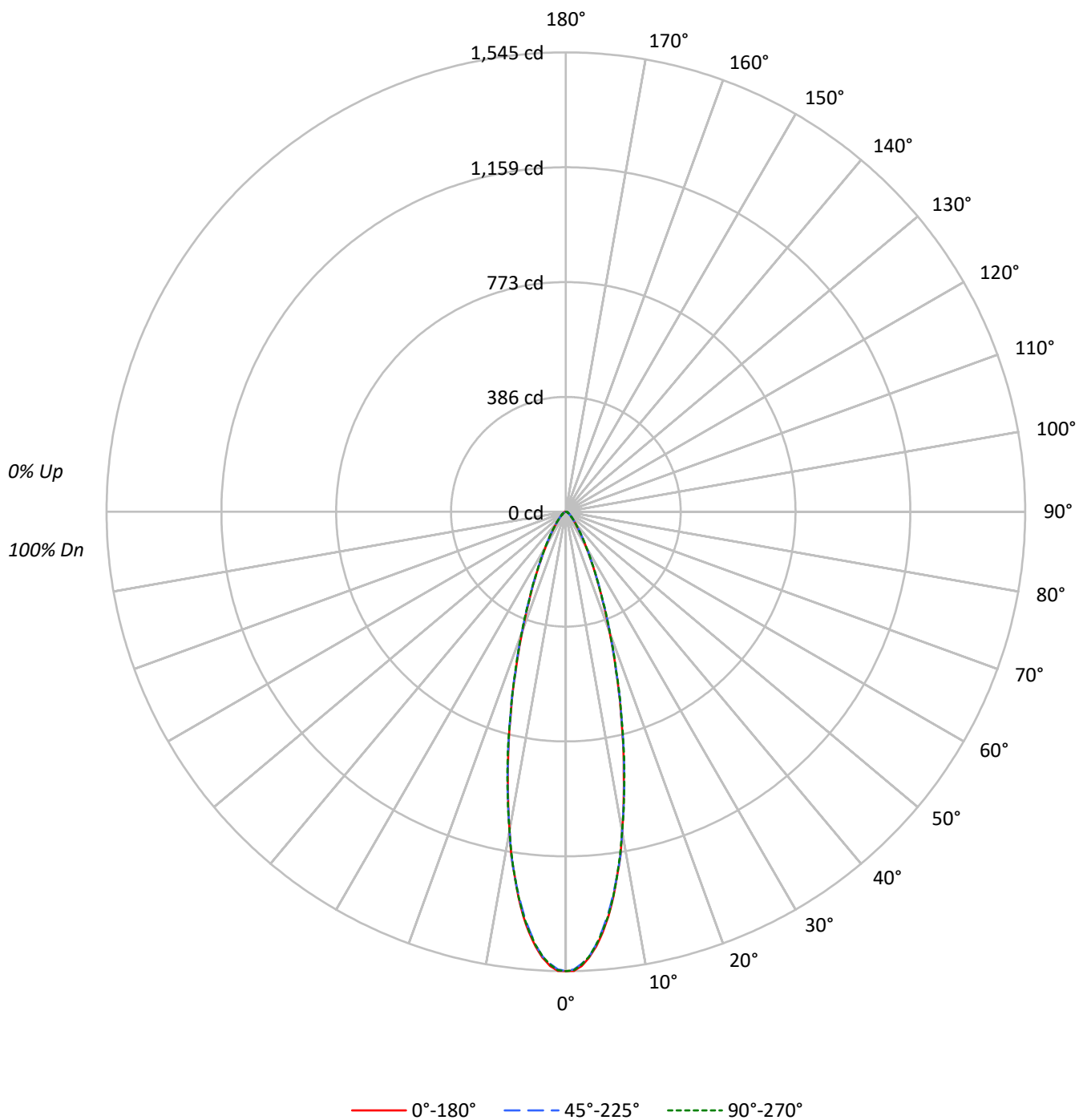
Lumens per Lamp: N/A
Luminaire Lumens: 543.0 lumens
Efficiency: N/A
Efficacy: 37.5 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	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°	266101	266101	266101
5°	245490	244090	244920
10°	190514	190741	190741
15°	128767	129373	129373
20°	78204	79193	79560
25°	45872	46519	46386
30°	26767	27304	27424
35°	16357	16778	16778
40°	10634	10791	10949
45°	7404	7575	7745
50°	5439	5627	5627
55°	4264	4474	4474
60°	3720	3720	3961
65°	3301	3301	3586
70°	3072	3072	3072
75°	2728	2728	2728
80°	1984	1984	2678
85°	1383	1383	2766

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7745 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.6	22.9
10°-20°	199.5	36.7
20°-30°	115.6	21.3
30°-40°	51.8	9.5
40°-50°	24.6	4.5
50°-60°	13.5	2.5
60°-70°	8.2	1.5
70°-80°	4.4	0.8
80°-90°	1.0	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°	439.7	81.0
0°-40°	491.5	90.5
0°-60°	529.5	97.5
0°-90°	543.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	543.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1545	1545	1545	1545	1545	
5°	1420	1415	1412	1415	1417	125
15°	722	722	726	722	726	199
25°	241	241	245	243	244	114
35°	78	78	80	80	80	51
45°	30	30	31	31	32	24
55°	14	14	15	15	15	13
65°	8	8	8	8	9	8
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°	1545.1	1545.1	1545.1	1545.1	1545.1
1°	1544.5	1540.4	1539.1	1537.7	1541.8
2°	1528.9	1524.2	1521.5	1522.8	1523.5
3°	1501.2	1498.5	1498.5	1496.5	1497.8
4°	1465.4	1459.9	1459.9	1460.6	1460.6
5°	1420.0	1415.3	1411.9	1414.6	1416.7
6°	1369.3	1363.2	1360.5	1361.2	1365.9
7°	1307.1	1299.0	1300.4	1303.7	1303.7
8°	1236.8	1236.1	1237.5	1236.1	1237.5
9°	1171.9	1162.4	1170.5	1163.8	1167.1
10°	1089.4	1088.7	1090.7	1092.8	1090.7
12.5°	901.4	904.8	906.1	903.4	909.5
15°	722.2	722.2	725.6	722.2	725.6
17.5°	561.9	561.3	564.0	561.3	565.3
20°	426.7	431.4	432.1	432.1	434.1
22.5°	321.9	321.9	324.6	325.3	323.9
25°	241.4	241.4	244.8	242.8	244.1
27.5°	178.5	179.9	182.6	183.9	183.9
30°	134.6	135.2	137.3	137.9	137.9
32.5°	101.4	102.8	104.1	104.8	105.5
35°	77.8	78.4	79.8	80.5	79.8
37.5°	59.5	60.2	61.5	62.2	62.2
40°	47.3	47.3	48.0	48.7	48.7
42.5°	37.2	37.9	37.9	38.5	38.5
45°	30.4	30.4	31.1	31.1	31.8
47.5°	24.3	24.3	25.0	25.7	25.7
50°	20.3	20.3	21.0	21.0	21.0
52.5°	16.9	16.9	17.6	17.6	17.6
55°	14.2	14.2	14.9	14.9	14.9
57.5°	12.2	12.2	12.8	12.8	12.8
60°	10.8	10.8	10.8	10.8	11.5
62.5°	9.5	9.5	9.5	9.5	9.5
65°	8.1	8.1	8.1	8.1	8.8
67.5°	6.8	6.8	6.8	6.8	7.4
70°	6.1	6.1	6.1	6.1	6.1
72.5°	4.7	4.7	4.7	5.4	5.4
75°	4.1	4.1	4.1	4.1	4.1
77.5°	3.4	3.4	3.4	3.4	3.4
80°	2.0	2.0	2.0	2.7	2.7
82.5°	1.4	1.4	1.4	1.4	1.4
85°	0.7	0.7	0.7	0.7	1.4
87.5°	0.0	0.0	0.0	0.7	0.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)