

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: P1307930

Luminaire Tested: LDSQA3D09R209027DE010 3LSQPHRL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307930
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: LDSQA3D09R209027DE010 3LSQPHRL1MB
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 90CRI , 3LSQPHRL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

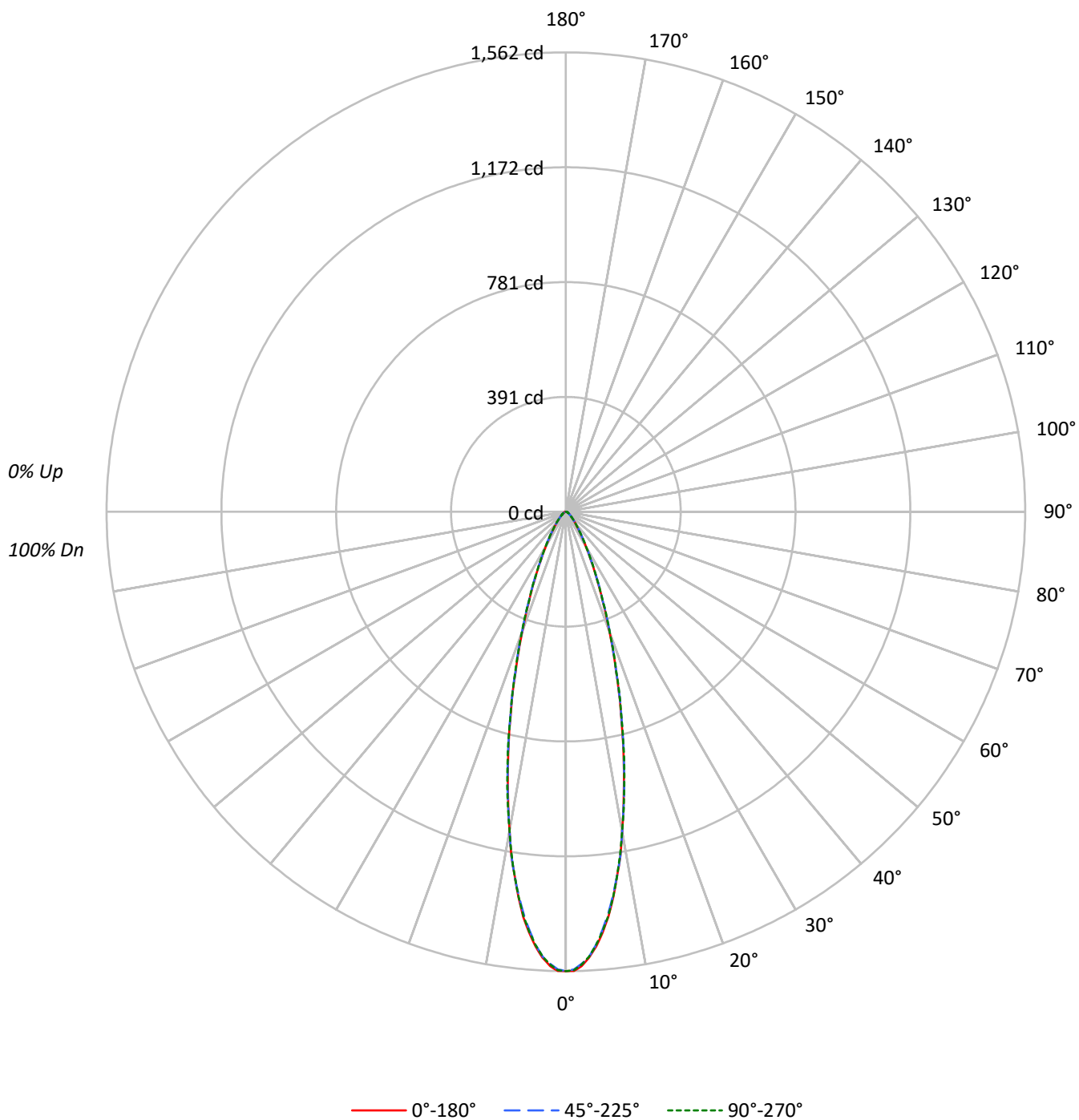
Lumens per Lamp: N/A
Luminaire Lumens: 549.0 lumens
Efficiency: N/A
Efficacy: 49.5 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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°	269046	269046	269046
5°	248205	246787	247617
10°	192612	192857	192857
15°	130193	130799	130799
20°	79065	80073	80440
25°	46386	47032	46899
30°	27066	27603	27742
35°	16525	16967	16967
40°	10769	10904	11061
45°	7502	7648	7818
50°	5493	5680	5680
55°	4324	4504	4504
60°	3754	3754	3996
65°	3342	3342	3627
70°	3122	3122	3122
75°	2728	2728	2728
80°	2083	2083	2678
85°	1383	1383	2766

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7818 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.0	22.9
10°-20°	201.7	36.7
20°-30°	116.8	21.3
30°-40°	52.4	9.5
40°-50°	24.8	4.5
50°-60°	13.6	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°	444.5	81.0
0°-40°	496.9	90.5
0°-60°	535.4	97.5
0°-90°	549.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	549.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1562	1562	1562	1562	1562	
5°	1436	1431	1428	1430	1432	126
15°	730	730	734	730	734	201
25°	244	244	248	245	247	116
35°	79	79	81	81	81	51
45°	31	31	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°	1562.2	1562.2	1562.2	1562.2	1562.2
1°	1561.5	1557.4	1556.1	1554.7	1558.8
2°	1545.8	1541.0	1538.3	1539.7	1540.3
3°	1517.8	1515.0	1515.0	1513.0	1514.4
4°	1481.5	1476.1	1476.1	1476.8	1476.8
5°	1435.7	1431.0	1427.5	1430.3	1432.3
6°	1384.5	1378.3	1375.6	1376.3	1381.0
7°	1321.6	1313.4	1314.7	1318.1	1318.1
8°	1250.5	1249.8	1251.1	1249.8	1251.1
9°	1184.8	1175.3	1183.5	1176.6	1180.0
10°	1101.4	1100.7	1102.8	1104.8	1102.8
12.5°	911.4	914.8	916.1	913.4	919.6
15°	730.2	730.2	733.6	730.2	733.6
17.5°	568.1	567.5	570.2	567.5	571.6
20°	431.4	436.2	436.9	436.9	438.9
22.5°	325.4	325.4	328.2	328.9	327.5
25°	244.1	244.1	247.5	245.4	246.8
27.5°	180.5	181.9	184.6	186.0	186.0
30°	136.1	136.7	138.8	139.5	139.5
32.5°	102.6	103.9	105.3	106.0	106.7
35°	78.6	79.3	80.7	81.4	80.7
37.5°	60.2	60.8	62.2	62.9	62.9
40°	47.9	47.9	48.5	49.2	49.2
42.5°	37.6	38.3	38.3	39.0	39.0
45°	30.8	30.8	31.4	31.4	32.1
47.5°	24.6	24.6	25.3	26.0	26.0
50°	20.5	20.5	21.2	21.2	21.2
52.5°	17.1	17.1	17.8	17.8	17.8
55°	14.4	14.4	15.0	15.0	15.0
57.5°	12.3	12.3	13.0	13.0	13.0
60°	10.9	10.9	10.9	10.9	11.6
62.5°	9.6	9.6	9.6	9.6	9.6
65°	8.2	8.2	8.2	8.2	8.9
67.5°	6.8	6.8	6.8	6.8	7.5
70°	6.2	6.2	6.2	6.2	6.2
72.5°	4.8	4.8	4.8	5.5	5.5
75°	4.1	4.1	4.1	4.1	4.1
77.5°	3.4	3.4	3.4	3.4	3.4
80°	2.1	2.1	2.1	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)