

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: P1307917

Luminaire Tested: LDSQA3D09R159027DE010 3LSQPHRL1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307917
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: LDSQA3D09R159027DE010 3LSQPHRL1MMS
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , 3LSQPHRL1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

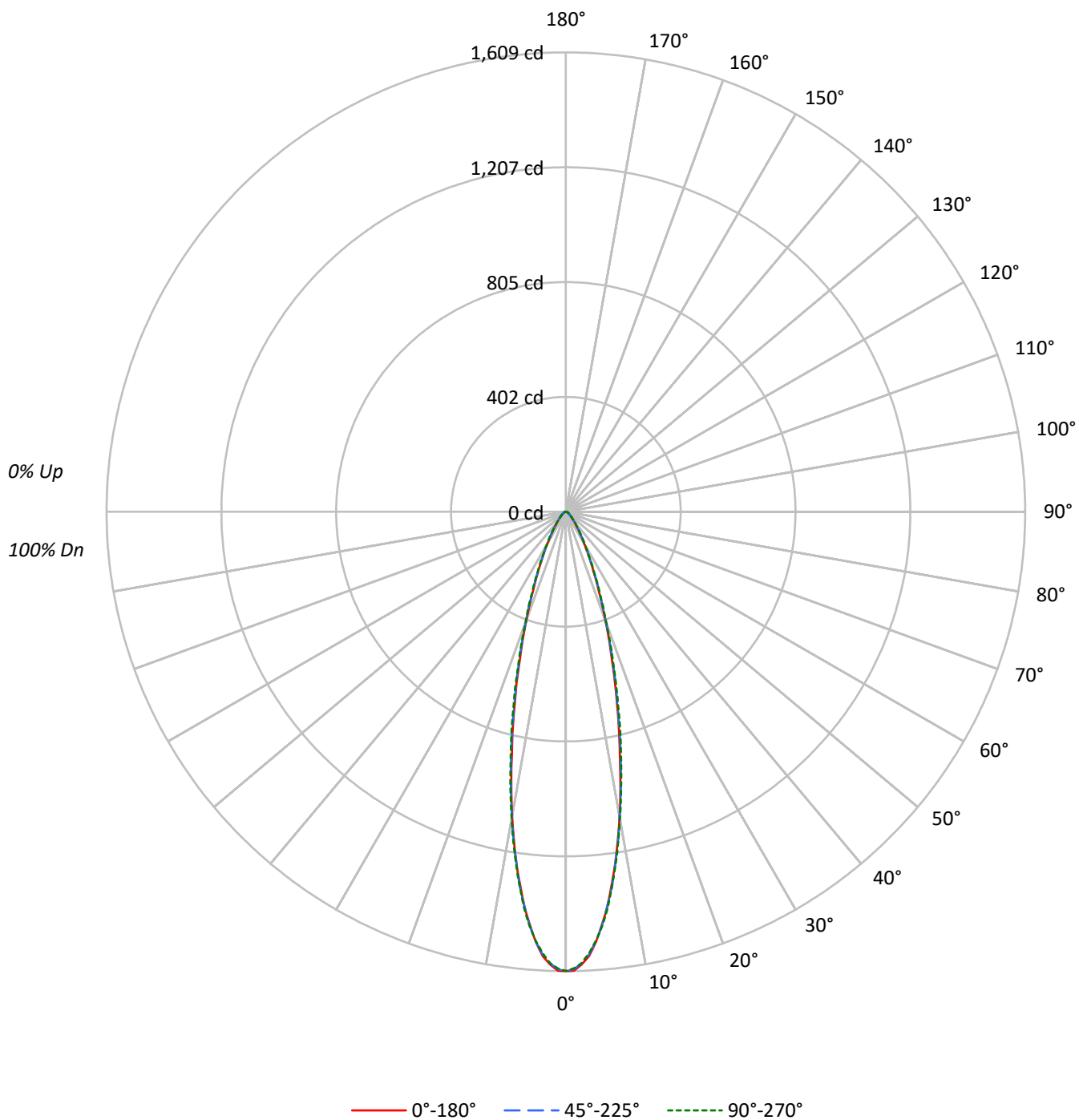
Lumens per Lamp: N/A
Luminaire Lumens: 532.0 lumens
Efficiency: N/A
Efficacy: 47.9 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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	97	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	85	82	86	83	81	81	81	80
5	96	88	83	79	94	87	83	79	86	82	78	84	80	78	83	79	77	77	77	76
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	73	73	72
7	88	80	75	71	87	80	75	71	79	74	71	77	74	71	76	73	70	70	70	69
8	85	77	72	68	84	76	72	68	75	71	68	74	70	68	74	70	67	67	67	66
9	82	74	69	65	81	73	69	65	73	68	65	72	68	65	71	67	65	65	65	64
10	79	71	66	63	78	71	66	63	70	66	63	69	65	62	69	65	62	62	62	61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	277055	277055	277055
5°	250953	251420	251783
10°	189464	189954	190898
15°	122901	124238	126663
20°	73988	74868	75876
25°	43231	44143	44789
30°	25395	26210	26628
35°	15663	16231	16525
40°	10297	10589	10746
45°	7161	7331	7477
50°	5305	5493	5680
55°	4294	4504	4504
60°	3754	3754	3754
65°	3342	3342	3342
70°	2769	3072	3072
75°	2728	2728	2728
80°	1984	2678	2678
85°	1383	1383	1383

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 7477 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.7	23.8
10°-20°	193.8	36.4
20°-30°	110.1	20.7
30°-40°	50.2	9.4
40°-50°	24.1	4.5
50°-60°	13.5	2.5
60°-70°	8.2	1.5
70°-80°	4.4	0.8
80°-90°	0.9	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°	430.6	80.9
0°-40°	480.9	90.4
0°-60°	518.4	97.4
0°-90°	532.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	532.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1609	1609	1609	1609	1609	
5°	1452	1451	1454	1454	1456	127
15°	689	693	697	706	710	191
25°	228	228	232	234	236	108
35°	74	76	77	79	79	49
45°	29	29	30	31	31	23
55°	14	14	15	15	15	13
65°	8	8	8	8	8	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°	1608.7	1608.7	1608.7	1608.7	1608.7
1°	1607.4	1603.3	1601.9	1601.2	1599.9
2°	1586.9	1583.5	1582.8	1582.8	1582.1
3°	1558.2	1552.0	1552.7	1550.7	1548.6
4°	1509.7	1506.9	1508.3	1509.7	1506.9
5°	1451.6	1450.9	1454.3	1454.3	1456.4
6°	1391.5	1390.8	1388.8	1394.2	1397.0
7°	1315.0	1319.1	1324.6	1321.8	1323.9
8°	1245.3	1240.5	1242.6	1249.4	1250.1
9°	1163.3	1159.9	1168.8	1171.5	1172.2
10°	1083.4	1086.8	1086.2	1095.7	1091.6
12.5°	875.1	880.5	886.7	890.8	894.9
15°	689.3	692.7	696.8	706.3	710.4
17.5°	530.1	534.2	538.3	546.5	547.9
20°	403.7	405.8	408.5	416.0	414.0
22.5°	301.9	305.4	308.1	311.5	313.5
25°	227.5	227.5	232.3	234.3	235.7
27.5°	169.4	170.8	174.2	176.9	176.2
30°	127.7	129.8	131.8	133.2	133.9
32.5°	98.4	98.4	100.4	102.5	103.2
35°	74.5	75.8	77.2	78.6	78.6
37.5°	58.1	58.7	60.1	60.8	60.8
40°	45.8	45.8	47.1	47.8	47.8
42.5°	36.2	36.9	37.6	38.3	38.3
45°	29.4	29.4	30.1	30.7	30.7
47.5°	23.9	23.9	24.6	25.3	25.3
50°	19.8	20.5	20.5	21.2	21.2
52.5°	17.1	17.1	17.1	17.8	17.8
55°	14.3	14.3	15.0	15.0	15.0
57.5°	12.3	12.3	12.3	13.0	13.0
60°	10.9	10.9	10.9	10.9	10.9
62.5°	9.6	9.6	9.6	9.6	9.6
65°	8.2	8.2	8.2	8.2	8.2
67.5°	6.8	6.8	6.8	7.5	7.5
70°	5.5	6.1	6.1	6.1	6.1
72.5°	4.8	4.8	4.8	4.8	4.8
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	2.7	2.7	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	0.7
87.5°	0.0	0.0	0.0	0.0	0.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)