

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: P1317289

Luminaire Tested: LDSQA3D09R159827DE010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317289
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R159827DE010 3LSQPHR1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 98CRI , 3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

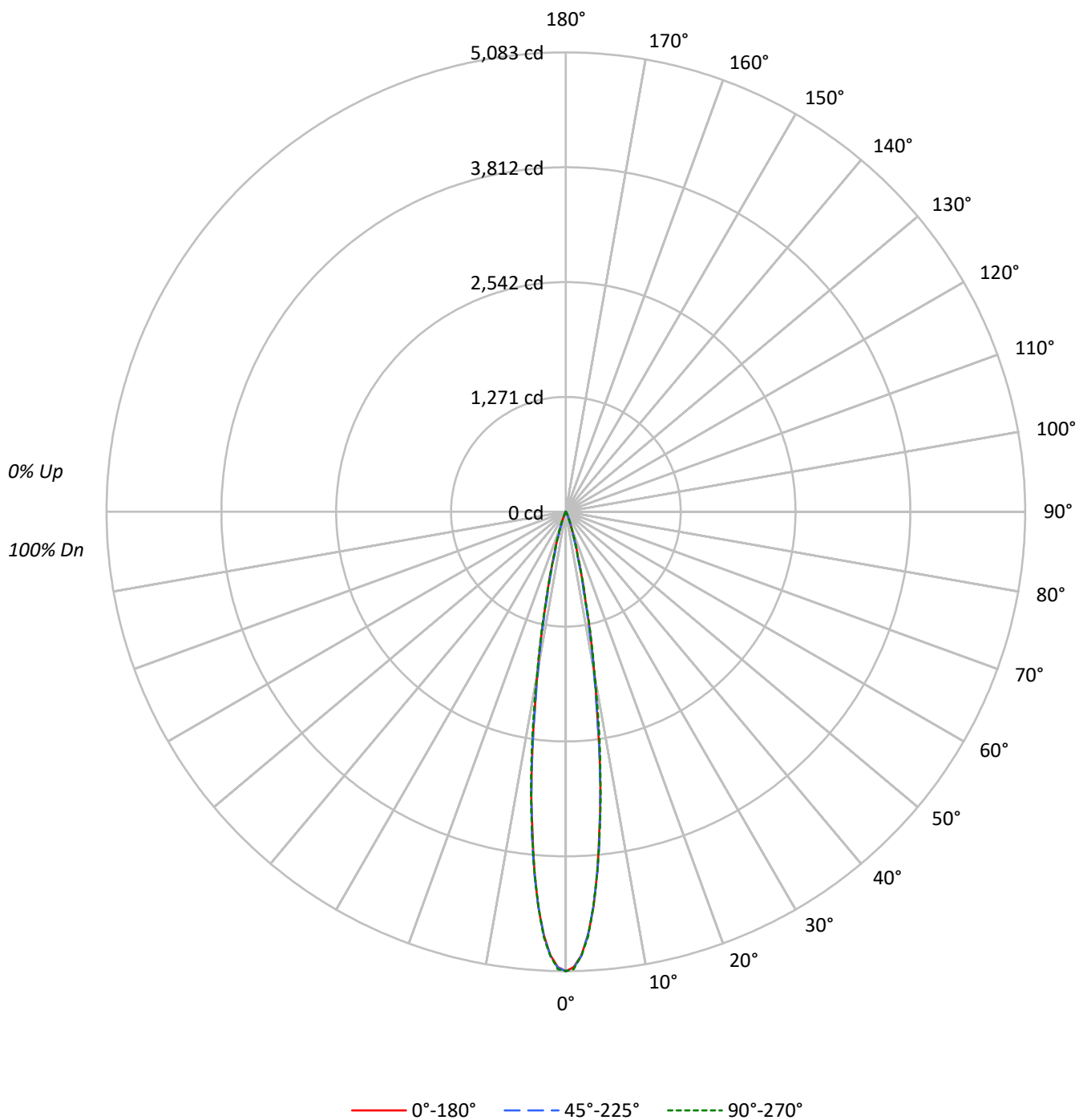
Lumens per Lamp: N/A
Luminaire Lumens: 509.0 lumens
Efficiency: N/A
Efficacy: 46.3 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	116	114	112	111	113	112	110	109	108	107	106		104	104	103		101
2	113	110	107	105	111	108	106	104	105	104	102		102	101	100		100
3	110	107	104	101	109	105	103	100	103	101	99		101	99	97		99
4	108	104	100	98	106	103	100	98	101	98	96		99	97	95		97
5	106	101	98	95	104	100	97	95	99	96	94		97	95	94		96
6	104	99	96	93	103	98	95	93	97	94	92		96	94	92		95
7	102	97	94	91	101	96	93	91	95	93	91		94	92	90		94
8	100	95	92	90	99	95	92	90	94	91	89		93	91	89		92
9	98	93	90	88	98	93	90	88	92	90	88		92	89	88		91
10	97	92	89	87	96	92	89	87	91	88	87		90	88	86		90

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	875477	875477	875477
5°	690571	692421	689949
10°	315937	307665	322618
15°	93945	83871	92037
20°	27895	27051	29287
25°	7924	10261	9197
30°	2844	3043	2724
35°	1072	967	967
40°	450	225	337
45°	244	122	244
50°	134	0	134
55°	150	0	150
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 255 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	307.1	60.3
10°-20°	170.5	33.5
20°-30°	27.1	5.3
30°-40°	3.6	0.7
40°-50°	0.5	0.1
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	504.8	99.2
0°-40°	508.4	99.9
0°-60°	509.0	100.0
0°-90°	509.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	509.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5083	5083	5083	5083	5083	
5°	3994	4028	4005	3988	3991	306
15°	527	520	470	500	516	174
25°	42	47	54	54	48	25
35°	5	5	5	5	5	4
45°	1	1	0	0	1	1
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5083.4	5083.4	5083.4	5083.4	5083.4	5083.4	5083.4	5083.4	5083.4	5083.4	5083.4
1°	5039.6	5045.2	5052.3	5045.7	5039.6	5045.2	5037.5	5038.6	5032.5	5045.7	5060.5
2°	4911.3	4918.4	4914.4	4905.2	4919.4	4920.5	4904.7	4897.1	4896.0	4909.3	4914.4
3°	4684.3	4700.6	4701.1	4698.0	4693.4	4684.3	4668.0	4678.7	4663.9	4654.7	4706.7
4°	4382.4	4396.7	4413.5	4402.3	4368.7	4371.7	4382.4	4346.3	4348.3	4369.2	4370.7
5°	3994.5	4037.8	4039.8	4024.0	3997.6	4005.2	3997.6	3987.4	3990.9	4004.2	3990.9
6°	3537.9	3586.8	3550.6	3585.2	3577.6	3587.3	3589.8	3579.1	3586.8	3578.6	3576.1
7°	3143.4	3106.2	3111.3	3097.1	3112.3	3122.5	3128.6	3110.3	3125.1	3148.5	3155.1
8°	2654.2	2643.5	2632.8	2658.3	2651.1	2663.3	2671.0	2691.3	2690.3	2697.5	2720.9
9°	2188.4	2204.2	2213.9	2191.5	2210.8	2173.1	2186.4	2240.8	2226.6	2240.8	2282.6
10°	1806.6	1819.3	1805.1	1804.6	1784.2	1759.3	1757.7	1778.1	1820.9	1854.5	1844.8
12.5°	996.7	1007.9	1009.4	1008.4	971.8	930.5	938.2	954.5	980.9	992.1	1010.5
15°	526.9	526.4	532.0	516.2	496.8	470.4	472.4	494.8	514.6	519.7	516.2
17.5°	270.3	271.3	275.4	271.3	251.0	253.5	259.1	261.7	273.4	277.9	275.4
20°	152.2	152.7	152.2	153.7	145.6	147.6	154.8	155.3	157.8	160.4	159.8
22.5°	87.0	87.6	90.6	89.6	87.6	90.1	91.6	94.2	95.2	94.2	97.2
25°	41.7	42.3	42.3	48.4	51.4	54.0	55.0	54.0	52.9	48.9	48.4
27.5°	23.9	23.9	24.9	25.5	26.5	31.1	30.5	25.5	21.4	21.4	21.9
30°	14.3	13.7	13.7	14.3	14.8	15.3	14.3	13.7	13.7	14.3	13.7
32.5°	8.7	8.7	8.7	8.1	8.1	7.6	7.6	8.7	8.7	8.7	8.7
35°	5.1	5.1	5.1	5.1	4.6	4.6	4.6	5.1	5.1	4.6	4.6
37.5°	3.1	3.1	3.1	2.5	2.5	2.0	2.5	2.5	2.5	2.5	2.5
40°	2.0	2.0	1.5	1.5	1.0	1.0	1.0	1.5	1.5	1.5	1.5
42.5°	1.5	1.5	1.0	1.0	0.5	0.5	0.5	1.0	1.0	1.0	1.0
45°	1.0	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0
47.5°	1.0	1.0	0.5	0.5	0.0	0.0	0.0	0.5	0.5	0.5	0.5
50°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
52.5°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
55°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)