

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: P1317404

Luminaire Tested: LDSQA3D09R609827DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317404
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-41)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R609827DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

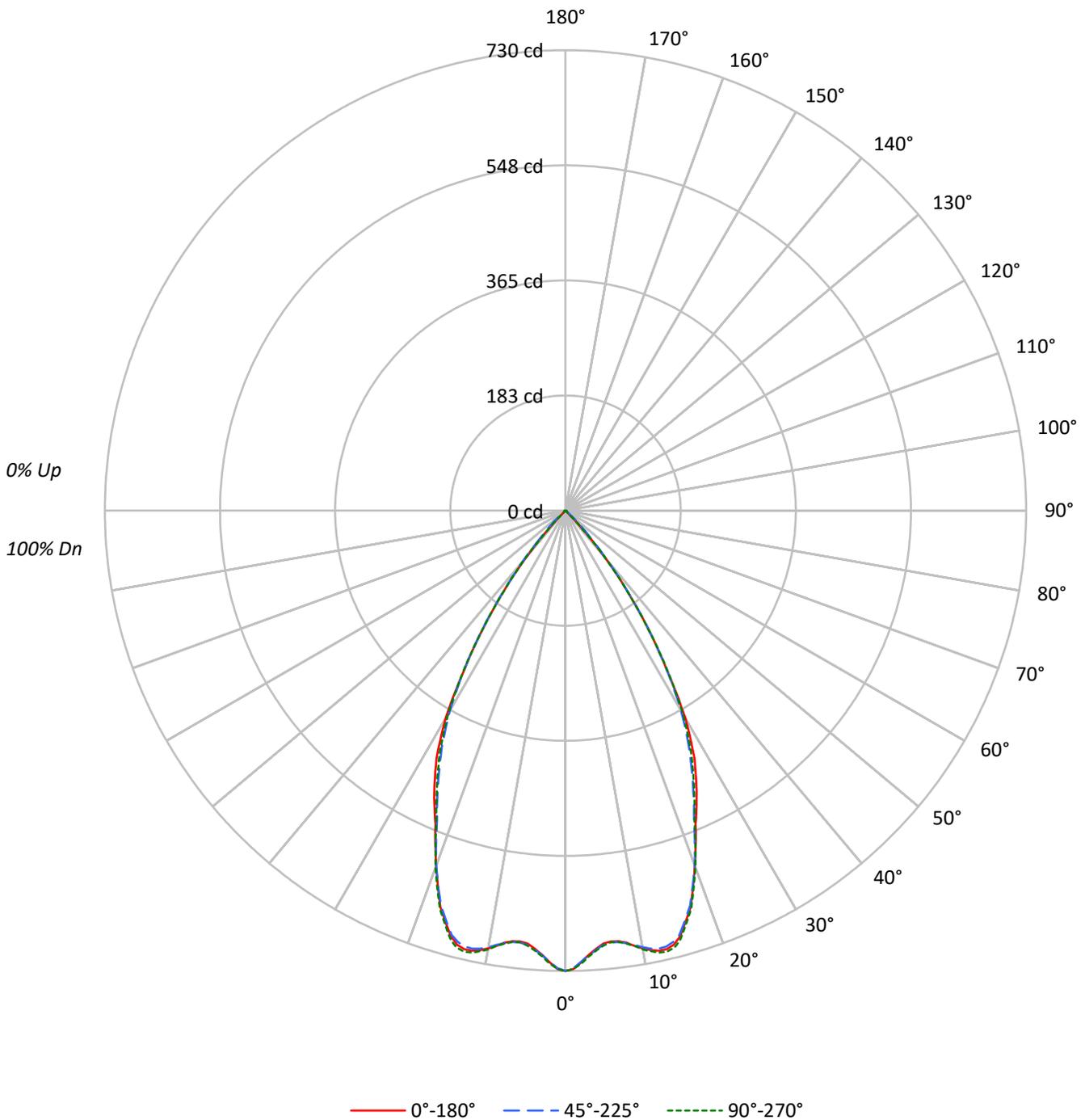
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 650.9 lumens
Efficiency: N/A
Efficacy: 59.2 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.92 / 0.9
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 (A_{in}): 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				20
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	114	111	108	106	111	109	107	105	105	103	101	101	100	98	98	96	95	94	94	94	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87	87	87	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	82	82	82	82
4	98	90	85	81	96	89	84	80	87	83	79	85	81	79	83	80	78	76	76	76	76
5	93	85	79	75	91	84	79	75	82	77	74	80	76	73	79	75	73	71	71	71	71
6	88	80	74	70	87	79	73	69	77	73	69	76	72	68	75	71	68	67	67	67	67
7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	62	62	62	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59	59	59	59
9	76	67	61	57	75	66	61	57	65	60	57	65	60	57	64	60	56	55	55	55	55
10	73	63	58	54	72	63	57	54	62	57	54	61	57	53	61	56	53	52	52	52	52

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	125705	125705	125705
5°	119132	119495	119668
10°	123273	122923	123535
15°	124773	124238	125504
20°	109874	109782	110332
25°	93493	90776	91555
30°	75450	72825	74038
35°	47768	48188	47663
40°	22325	23246	22662
45°	1364	8184	1607
50°	670	1902	670
55°	751	751	751
60°	689	689	689
65°	611	815	611
70°	755	755	755
75°	665	665	665
80°	496	496	496
85°	988	988	988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 8184 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.5	10.2
10°-20°	191.6	29.4
20°-30°	220.8	33.9
30°-40°	141.8	21.8
40°-50°	24.7	3.8
50°-60°	2.3	0.4
60°-70°	1.8	0.3
70°-80°	1.1	0.2
80°-90°	0.3	0.1
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°	478.9	73.6
0°-40°	620.8	95.4
0°-60°	647.7	99.5
0°-90°	650.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	650.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	730	730	730	730	730	
5°	689	691	691	693	692	66
15°	700	697	697	701	704	192
25°	492	486	478	478	482	224
35°	227	226	229	225	227	142
45°	6	17	34	20	7	19
55°	2	2	2	2	2	2
65°	2	2	2	2	2	2
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	729.9	729.9	729.9	729.9	729.9
1°	726.8	726.3	725.8	726.3	726.8
2°	716.6	716.1	715.6	717.6	718.7
3°	705.4	705.9	706.4	707.5	708.0
4°	696.2	697.3	697.8	698.8	699.3
5°	689.1	690.6	691.2	692.7	692.2
6°	687.1	688.1	688.6	689.1	688.1
7°	688.1	688.6	689.1	690.1	689.1
8°	691.7	692.2	692.7	693.2	693.2
9°	698.8	697.8	697.3	699.3	698.8
10°	704.9	703.4	702.9	705.9	706.4
11°	710.0	708.0	707.5	711.0	712.0
12°	713.6	710.5	710.0	714.6	716.6
13°	713.6	709.5	709.5	714.6	717.6
14°	709.5	704.9	704.9	710.5	714.1
15°	699.8	697.3	696.8	701.3	703.9
17.5°	659.1	656.0	656.5	661.6	662.1
20°	599.5	597.9	599.0	600.0	602.0
22.5°	538.9	537.8	532.2	533.8	534.8
25°	492.0	486.4	477.7	478.3	481.8
27.5°	442.6	437.0	424.8	427.3	430.9
30°	379.4	374.9	366.2	367.7	372.3
32.5°	298.0	307.1	299.0	301.5	300.0
35°	227.2	225.6	229.2	224.6	226.7
37.5°	159.9	160.4	162.0	157.9	157.9
40°	99.3	101.9	103.4	101.4	100.8
42.5°	41.8	57.0	60.1	57.0	42.3
45°	5.6	16.8	33.6	19.9	6.6
47.5°	2.5	3.6	17.8	3.6	2.5
50°	2.5	2.5	7.1	2.5	2.5
52.5°	2.5	2.5	2.5	2.5	2.5
55°	2.5	2.5	2.5	2.5	2.5
57.5°	2.5	2.5	2.5	2.5	2.5
60°	2.0	2.0	2.0	2.0	2.0
62.5°	2.0	2.0	2.0	2.0	2.0
65°	1.5	2.0	2.0	2.0	1.5
67.5°	1.5	1.5	1.5	1.5	1.5
70°	1.5	1.5	1.5	1.5	1.5
72.5°	1.0	1.0	1.0	1.0	1.0
75°	1.0	1.0	1.0	1.0	1.0
77.5°	1.0	1.0	1.0	1.0	1.0
80°	0.5	0.5	0.5	0.5	0.5
82.5°	0.5	0.5	0.5	0.5	0.5
85°	0.5	0.5	0.5	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)