

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: P1320017

Luminaire Tested: LDSQA3D09R559840DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320017
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-66)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R559840DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 98CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

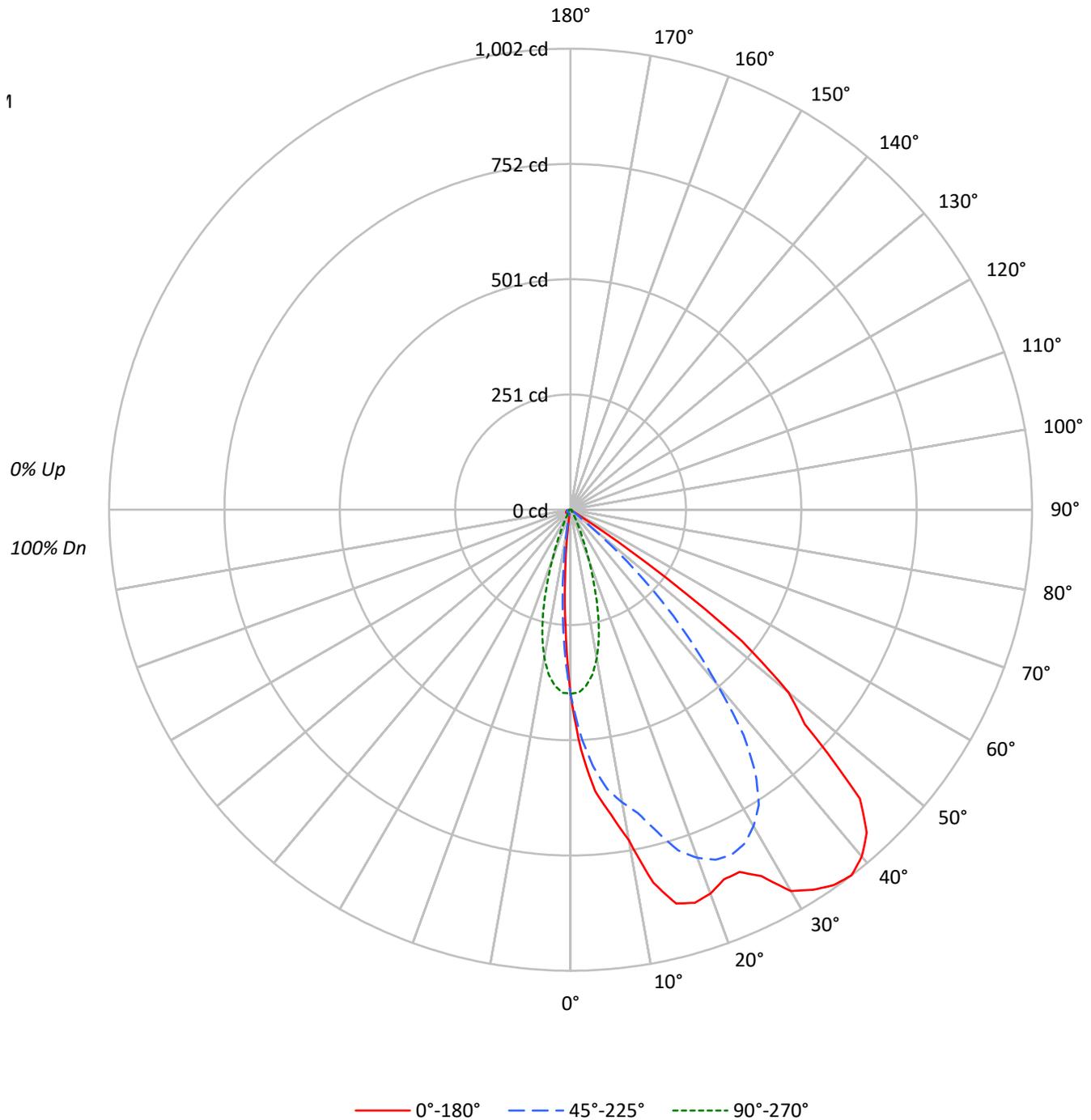
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 667.0 lumens
Efficiency: N/A
Efficacy: 60.6 lumens/watt
Spacing Criteria (0/90/45): 1.79 / 0.55 / 1.22
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				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	102	102	102	100
1	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	93	93	93	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83	83	83	83	81
3	98	90	84	79	96	89	83	79	86	81	77	83	79	76	81	78	75	75	75	75	73
4	91	82	75	70	89	81	75	70	79	73	69	77	72	68	75	71	67	67	67	67	65
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	61	61	61	59
6	80	69	62	56	78	68	61	56	66	60	56	65	59	55	63	59	55	55	55	55	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	50	50	50	48
8	70	58	51	46	68	58	51	46	57	50	46	55	50	46	54	49	45	45	45	45	44
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	41	41	41	40
10	62	50	43	39	61	50	43	38	49	43	38	48	42	38	47	42	38	38	38	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	68855	68855	68855	68855	68855
5°	106166	96657	66507	34161	22440
10°	127557	112972	57256	8604	3445
15°	157954	129034	40902	2371	1854
20°	162675	147592	21132	1594	1594
25°	165038	157228	8475	1425	1653
30°	190235	157959	3679	1491	1730
35°	209404	147277	1577	1577	1955
40°	221179	110859	922	1821	2091
45°	216330	67734	852	1973	2533
50°	165474	14441	938	2331	2947
55°	60713	510	1051	2612	3303
60°	586	586	1206	2997	3789
65°	693	693	1426	3056	3994
70°	604	856	1460	3525	4683
75°	399	799	1530	3859	5390
80°	595	1190	1686	4066	5752
85°	0	1186	2371	4545	5730

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 216330 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.2	5.3
10°-20°	100.8	15.1
20°-30°	154.6	23.2
30°-40°	180.2	27.0
40°-50°	144.0	21.6
50°-60°	42.6	6.4
60°-70°	4.6	0.7
70°-80°	3.6	0.5
80°-90°	1.5	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°	290.6	43.6
0°-40°	470.8	70.6
0°-60°	657.3	98.6
0°-90°	667.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	667.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	400	400	400	400	400	
5°	614	559	385	198	130	61
15°	886	724	229	13	10	245
25°	868	827	45	8	9	413
35°	996	700	8	8	9	620
45°	888	278	4	8	10	640
55°	202	2	4	9	11	214
65°	2	2	4	8	10	1
75°	1	1	2	6	8	1
85°	0	1	1	2	3	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	399.8	399.8	399.8	399.8	399.8	399.8	399.8	399.8	399.8	399.8	399.8
2.5°	521.4	521.4	519.7	520.3	519.1	512.8	511.6	503.5	496.5	489.0	482.6
5°	614.1	615.3	613.6	610.1	605.5	600.8	591.0	583.4	573.6	559.1	545.8
7.5°	666.9	665.7	662.8	661.7	658.8	653.5	646.6	638.5	626.9	612.4	596.8
10°	729.4	719.6	716.7	712.1	702.8	692.4	680.2	669.2	659.3	646.0	629.2
12.5°	830.3	828.5	816.9	808.2	795.5	772.3	751.5	727.1	698.2	675.0	653.0
15°	885.9	887.0	881.8	874.9	866.8	847.6	826.8	798.4	764.2	723.7	687.7
17.5°	895.7	897.5	894.6	891.7	889.4	878.4	865.6	845.3	814.0	776.4	723.1
20°	887.6	891.1	891.7	895.2	899.8	895.2	884.7	870.8	844.7	805.3	754.4
22.5°	869.7	876.0	880.7	892.8	905.0	905.0	898.6	887.6	862.1	823.3	771.2
25°	868.5	869.7	871.4	891.1	910.2	914.3	908.5	896.9	869.1	827.4	770.6
27.5°	897.5	889.9	878.4	898.0	920.6	924.1	916.0	900.4	867.3	818.1	750.9
30°	956.6	939.8	915.4	929.9	945.6	941.5	925.3	900.4	855.8	794.3	713.8
32.5°	979.2	969.9	961.2	976.8	979.7	962.9	934.0	896.9	837.2	760.7	653.0
35°	996.0	996.5	993.1	996.0	982.1	958.3	926.4	877.8	802.5	700.5	572.4
37.5°	1001.8	1002.9	995.4	985.0	964.1	936.9	898.6	843.0	744.5	617.6	450.8
40°	983.8	980.3	968.2	953.7	931.1	903.3	861.5	778.7	658.2	493.1	351.7
42.5°	951.9	946.1	931.7	914.3	890.5	855.2	788.5	688.3	534.8	384.7	246.2
45°	888.2	884.1	866.2	853.4	825.0	779.3	693.5	567.2	413.7	278.1	142.5
47.5°	690.0	690.6	704.5	710.9	701.1	664.6	563.7	431.1	301.9	165.7	48.1
50°	617.6	614.7	600.8	581.7	549.8	495.4	413.7	304.8	178.5	53.9	7.0
52.5°	468.7	468.7	461.8	451.9	418.3	365.6	279.8	168.6	62.6	9.3	1.7
55°	202.2	191.8	197.6	208.6	199.9	173.8	130.9	50.4	11.0	1.7	1.7
57.5°	2.9	7.0	10.4	16.8	22.6	27.2	14.5	5.2	1.7	1.7	1.7
60°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
62.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
65°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
67.5°	1.2	1.2	1.2	1.7	1.2	1.7	1.7	1.7	1.7	1.7	1.7
70°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.7	1.7
72.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
75°	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
77.5°	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2	1.2	1.2	1.2
80°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2	1.2
82.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	399.8	399.8	399.8	399.8	399.8	399.8	399.8	399.8
2.5°	473.4	463.5	447.3	398.0	347.1	300.1	266.5	253.8
5°	530.7	512.8	485.5	384.7	283.3	197.6	148.9	129.8
7.5°	575.9	552.7	513.3	361.5	208.0	105.4	63.2	49.8
10°	606.0	580.5	529.0	327.4	137.9	49.2	23.8	19.7
12.5°	628.1	596.2	534.8	283.3	81.1	22.6	12.7	11.6
15°	644.3	603.1	527.8	229.4	44.6	13.3	10.4	10.4
17.5°	666.9	606.6	511.0	169.2	25.5	9.8	9.8	9.8
20°	684.3	606.6	479.2	115.3	15.6	8.7	8.7	8.7
22.5°	692.9	597.3	440.3	73.0	11.0	8.1	8.7	8.7
25°	684.3	574.8	390.5	44.6	8.7	7.5	8.1	8.7
27.5°	652.4	529.6	323.9	28.4	7.0	7.5	8.1	8.7
30°	599.1	464.1	248.6	18.5	6.4	7.5	8.1	8.7
32.5°	523.8	366.8	161.1	12.2	5.8	7.5	8.1	8.7
35°	409.0	259.6	97.3	7.5	5.8	7.5	8.7	9.3
37.5°	306.5	173.2	52.7	4.6	5.8	7.5	8.7	9.3
40°	212.6	100.8	22.6	4.1	5.8	8.1	9.3	9.3
42.5°	123.4	40.0	5.8	3.5	5.8	8.1	9.3	9.8
45°	45.2	8.1	1.7	3.5	6.4	8.1	9.3	10.4
47.5°	6.4	1.7	1.7	3.5	6.4	8.1	9.8	10.4
50°	1.7	1.7	1.7	3.5	6.4	8.7	10.4	11.0
52.5°	1.7	1.7	1.7	3.5	6.4	8.7	10.4	11.0
55°	1.7	1.7	1.7	3.5	6.4	8.7	10.4	11.0
57.5°	1.7	1.7	1.7	3.5	6.4	8.7	10.4	11.0
60°	1.7	1.7	1.7	3.5	5.8	8.7	10.4	11.0
62.5°	1.7	1.7	1.7	3.5	5.8	8.1	9.8	10.4
65°	1.7	1.7	1.7	3.5	5.2	7.5	9.8	9.8
67.5°	1.7	1.7	1.7	2.9	5.2	7.5	9.3	9.8
70°	1.7	1.7	1.7	2.9	4.6	7.0	8.7	9.3
72.5°	1.7	1.7	1.7	2.3	4.1	6.4	8.1	8.7
75°	1.2	1.7	1.7	2.3	4.1	5.8	7.5	8.1
77.5°	1.2	1.7	1.7	1.7	3.5	4.6	6.4	7.0
80°	1.2	1.2	1.7	1.7	2.9	4.1	5.2	5.8
82.5°	1.2	1.2	1.2	1.7	2.3	2.9	4.1	4.1
85°	1.2	1.2	1.2	1.2	1.7	2.3	2.9	2.9
87.5°	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)