

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: P1312727

Luminaire Tested: LDSQA3D17R359050DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312727
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-63)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R359050DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 5000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

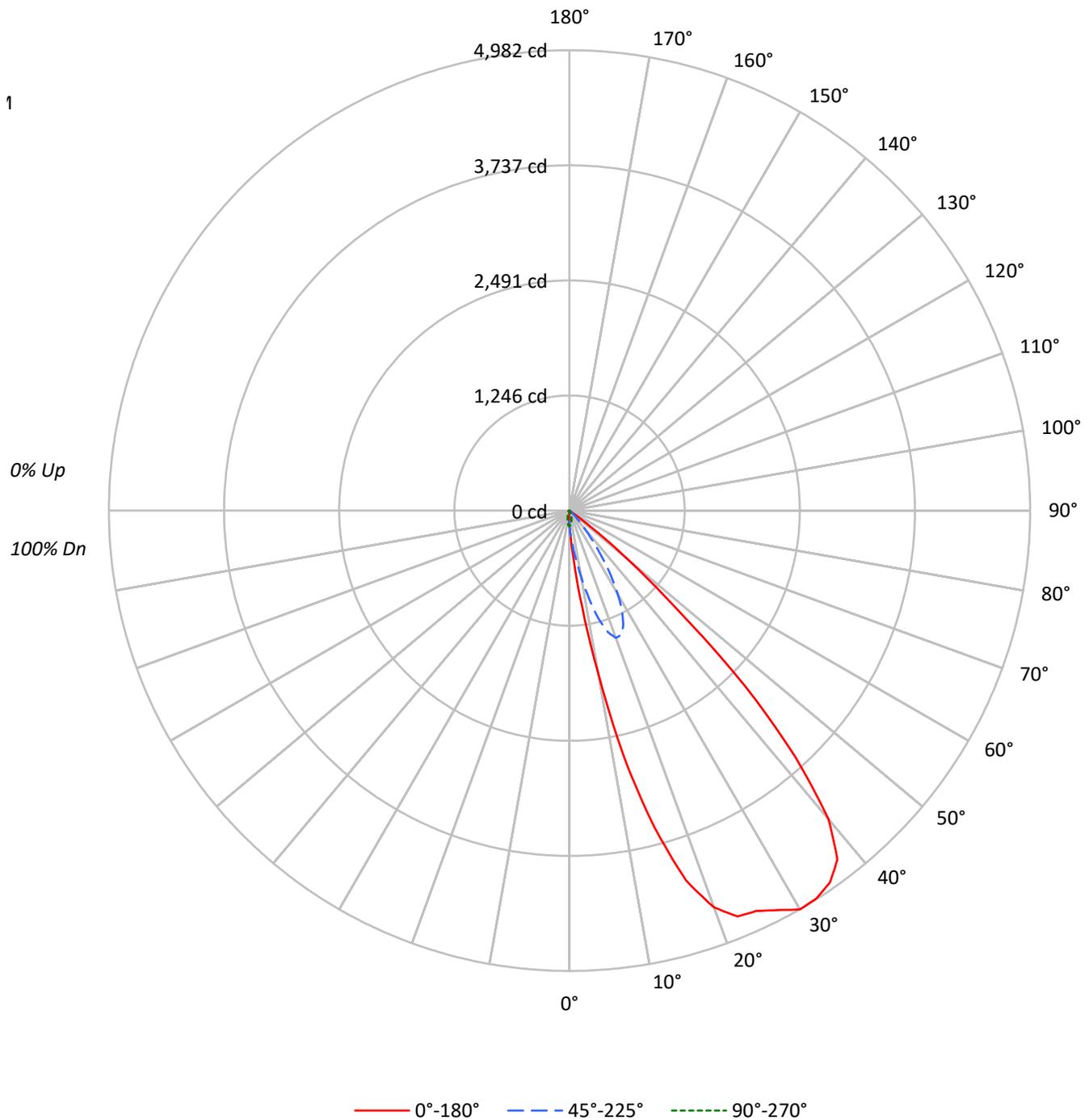
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1566.9 lumens
Efficiency: N/A
Efficacy: 73.9 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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				
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	104	110	107	104	102	103	101	99	99	98	96	96	94	93	96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	89	87	84	83
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	82	79	76	74
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	76	72	69	67
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	70	66	62	61
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	65	60	56	55
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	60	55	51	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	55	50	46	45
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	51	46	42	41
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	47	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	28348	28348	28348	28348	28348
5°	96536	62738	26503	11185	8264
10°	310691	127172	20916	4180	2711
15°	633029	215687	14799	1498	998
20°	837093	268627	9530	513	513
25°	908289	261154	5340	266	532
30°	990808	208113	2247	278	557
35°	1032429	129532	589	294	589
40°	979724	56610	315	629	944
45°	654031	22602	341	1023	1705
50°	219355	3778	750	1500	2251
55°	12251	420	841	2102	2943
60°	964	482	1447	2411	3376
65°	1141	571	1712	2853	3994
70°	705	705	2115	3525	4230
75°	932	932	2795	3726	4658
80°	0	1389	4166	4166	4166
85°	0	2766	8299	2766	5533

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 654031 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.6	1.8
10°-20°	225.0	14.4
20°-30°	475.0	30.3
30°-40°	538.9	34.4
40°-50°	265.2	16.9
50°-60°	23.0	1.5
60°-70°	4.7	0.3
70°-80°	4.3	0.3
80°-90°	2.1	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°	728.6	46.5
0°-40°	1267.6	80.9
0°-60°	1555.8	99.3
0°-90°	1566.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1566.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	165	165	165	165	165	
5°	558	363	153	65	48	92
15°	3550	1210	83	8	6	1009
25°	4780	1374	28	1	3	2224
35°	4911	616	3	1	3	3026
45°	2685	93	1	4	7	1984
55°	41	1	3	7	10	160
65°	3	1	4	7	10	2
75°	1	1	4	6	7	1
85°	0	1	4	1	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°	67.5°
0°	164.6	164.6	164.6	164.6	164.6	164.6	164.6	164.6	164.6	164.6	164.6
2.5°	285.5	292.6	289.8	288.4	287.0	281.3	268.7	267.3	254.6	246.2	204.0
5°	558.4	547.2	550.0	534.5	514.8	486.7	468.4	429.0	396.7	362.9	237.7
7.5°	1052.2	1036.7	1007.2	962.1	915.7	855.2	763.8	690.7	606.3	526.1	264.4
10°	1776.6	1768.1	1730.2	1614.8	1513.5	1351.8	1199.9	1039.5	882.0	727.2	282.7
12.5°	2744.4	2686.7	2617.8	2464.4	2264.7	2062.1	1762.5	1485.4	1233.6	974.8	284.1
15°	3550.4	3513.8	3416.7	3217.0	2976.4	2683.9	2328.0	1955.2	1575.4	1209.7	270.1
17.5°	4198.8	4142.5	4017.4	3821.8	3544.7	3164.9	2748.6	2294.2	1831.4	1377.1	246.2
20°	4567.4	4537.8	4442.2	4246.6	3944.2	3529.3	3055.2	2526.3	1991.8	1465.7	215.2
22.5°	4753.0	4731.9	4661.6	4505.5	4222.7	3805.0	3262.0	2647.3	2038.2	1455.9	182.9
25°	4779.8	4774.1	4713.6	4595.5	4359.2	3945.6	3352.0	2669.8	2000.2	1374.3	151.9
27.5°	4872.6	4852.9	4781.2	4663.0	4425.3	3969.5	3321.1	2592.4	1877.9	1230.8	126.6
30°	4982.3	4968.2	4896.5	4774.1	4492.8	3947.0	3211.4	2420.8	1682.3	1046.5	94.2
32.5°	4973.9	4968.2	4907.8	4778.3	4445.0	3814.8	3015.8	2163.4	1416.5	825.7	59.1
35°	4910.6	4890.9	4814.9	4615.2	4172.1	3474.4	2644.5	1814.6	1121.1	616.1	38.0
37.5°	4758.7	4716.5	4588.5	4249.5	3684.0	2949.7	2153.6	1401.0	793.3	412.1	23.9
40°	4357.8	4304.3	4046.9	3637.6	3045.4	2323.8	1602.2	963.5	523.3	251.8	9.8
42.5°	3615.1	3506.7	3249.3	2828.7	2273.1	1643.0	1052.2	624.5	308.1	151.9	2.8
45°	2685.3	2602.3	2332.2	1951.0	1489.6	1053.6	637.2	337.6	170.2	92.8	1.4
47.5°	1564.2	1513.5	1374.3	1123.9	822.9	552.8	326.3	181.5	99.9	45.0	1.4
50°	818.7	755.4	649.9	492.3	362.9	254.6	159.0	97.1	49.2	14.1	1.4
52.5°	287.0	282.7	257.4	194.1	157.5	113.9	77.4	42.2	14.1	2.8	1.4
55°	40.8	40.8	38.0	42.2	45.0	40.8	26.7	11.3	2.8	1.4	1.4
57.5°	2.8	2.8	2.8	4.2	5.6	5.6	4.2	1.4	1.4	1.4	2.8
60°	2.8	2.8	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8
62.5°	2.8	2.8	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8
65°	2.8	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8
67.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8
70°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	4.2
72.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	4.2
75°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	4.2
77.5°	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	4.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	2.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	2.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	2.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	2.8
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):

	90°	112.5°	135°	157.5°	180°
0°	164.6	164.6	164.6	164.6	164.6
2.5°	163.2	130.8	104.1	91.4	87.2
5°	153.3	98.5	64.7	50.6	47.8
7.5°	136.4	70.3	39.4	28.1	26.7
10°	119.6	50.6	23.9	16.9	15.5
12.5°	99.9	35.2	15.5	9.8	8.4
15°	83.0	23.9	8.4	7.0	5.6
17.5°	66.1	15.5	5.6	4.2	5.6
20°	52.0	9.8	2.8	2.8	2.8
22.5°	39.4	5.6	2.8	2.8	2.8
25°	28.1	2.8	1.4	1.4	2.8
27.5°	19.7	1.4	1.4	1.4	2.8
30°	11.3	1.4	1.4	1.4	2.8
32.5°	5.6	1.4	1.4	2.8	2.8
35°	2.8	1.4	1.4	2.8	2.8
37.5°	1.4	1.4	1.4	2.8	4.2
40°	1.4	1.4	2.8	4.2	4.2
42.5°	1.4	1.4	2.8	4.2	5.6
45°	1.4	2.8	4.2	5.6	7.0
47.5°	2.8	2.8	5.6	7.0	8.4
50°	2.8	4.2	5.6	8.4	8.4
52.5°	2.8	4.2	7.0	8.4	9.8
55°	2.8	5.6	7.0	9.8	9.8
57.5°	4.2	5.6	7.0	9.8	9.8
60°	4.2	5.6	7.0	9.8	9.8
62.5°	4.2	5.6	7.0	9.8	9.8
65°	4.2	5.6	7.0	9.8	9.8
67.5°	4.2	5.6	7.0	8.4	9.8
70°	4.2	5.6	7.0	8.4	8.4
72.5°	5.6	5.6	7.0	8.4	8.4
75°	4.2	5.6	5.6	7.0	7.0
77.5°	4.2	4.2	4.2	5.6	5.6
80°	4.2	4.2	4.2	4.2	4.2
82.5°	4.2	2.8	2.8	4.2	4.2
85°	4.2	2.8	1.4	2.8	2.8
87.5°	2.8	2.8	1.4	1.4	1.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)