

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: P1315515

Luminaire Tested: LDSQA3D09R609735DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315515
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-55)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R609735DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R60 optic, 3500K CCT AND, 97CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

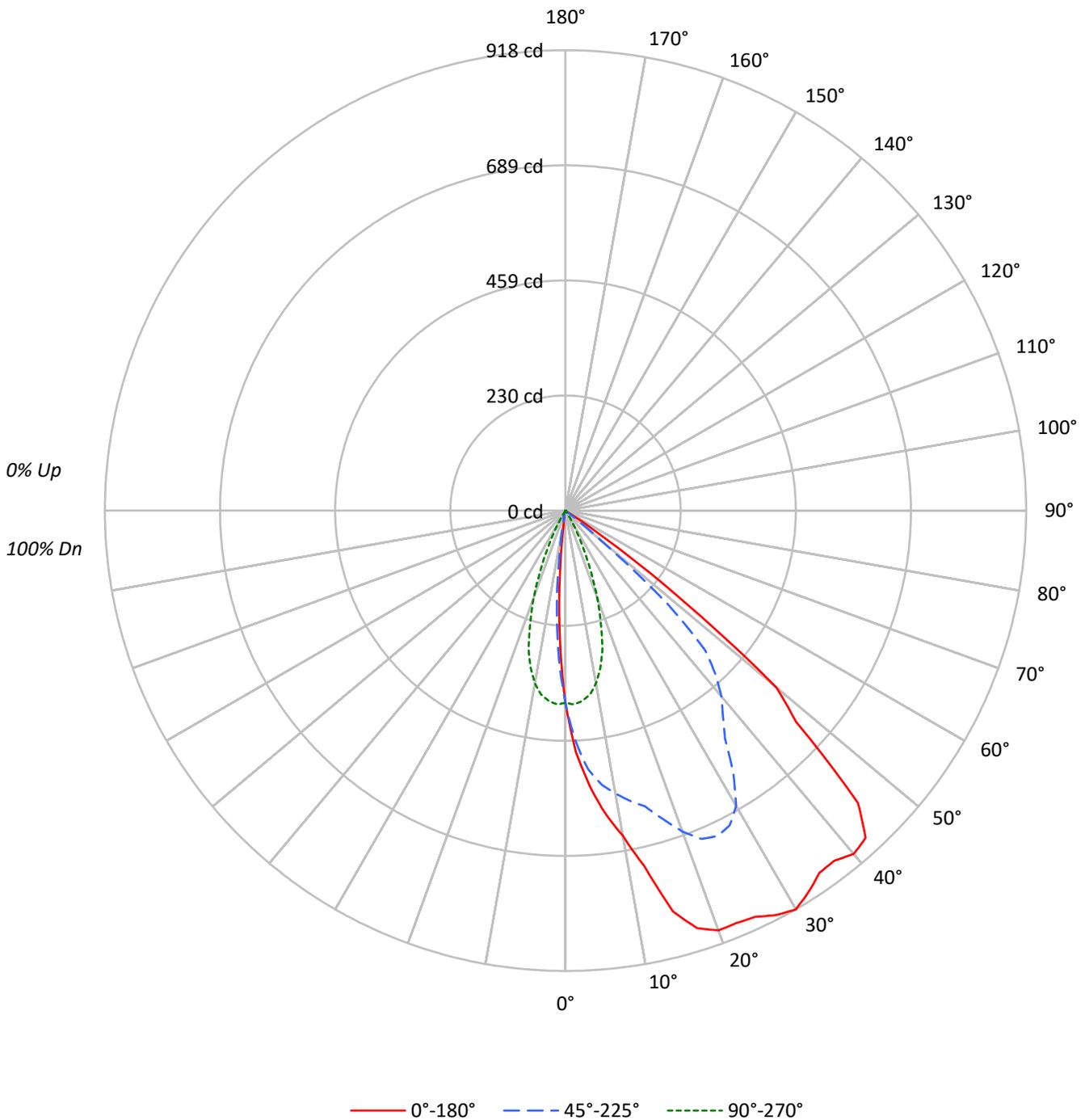
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 623.0 lumens
Efficiency: N/A
Efficacy: 56.1 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
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 (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	97	96	96	94	93	96	94	93	91
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	89	86	84	82
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	82	78	76	74
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	75	71	68	66
5	86	76	69	63	84	75	68	63	73	67	63	71	66	62	69	65	61	69	65	61	60
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	64	59	56	54
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	59	54	50	49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	55	50	46	44
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	51	46	42	40
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	48	42	39	48	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	66013	66013	66013	66013	66013
5°	95153	89621	65919	33954	21818
10°	115106	100188	61190	4057	2378
15°	147506	108833	50708	2674	2193
20°	163262	124756	33998	1503	257
25°	169789	136078	16722	133	0
30°	182559	135229	4614	0	0
35°	185415	116434	0	0	0
40°	200877	108566	0	0	0
45°	200669	95841	0	0	0
50°	146933	23203	0	0	0
55°	28675	0	0	0	0
60°	0	0	0	0	0
65°	0	285	285	0	0
70°	0	352	352	0	0
75°	0	466	466	0	0
80°	0	694	694	694	0
85°	0	1383	1383	1383	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°
 Vertical Angle: 45°
 Luminance: 201010 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.9	5.3
10°-20°	93.7	15.0
20°-30°	149.4	24.0
30°-40°	172.7	27.7
40°-50°	137.1	22.0
50°-60°	36.1	5.8
60°-70°	0.3	0.0
70°-80°	0.4	0.1
80°-90°	0.4	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°	276.0	44.3
0°-40°	448.7	72.0
0°-60°	622.0	99.8
0°-90°	623.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	623.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	383	383	383	383	383	
5°	550	518	381	196	126	56
15°	827	610	284	15	12	231
25°	894	716	88	1	0	417
35°	882	554	0	0	0	560
45°	824	394	0	0	0	587
55°	96	0	0	0	0	144
65°	0	1	1	0	0	0
75°	0	1	1	0	0	0
85°	0	1	1	1	0	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°	383.3	383.3	383.3	383.3	383.3	383.3	383.3	383.3	383.3	383.3	383.3
2.5°	482.2	487.0	484.9	482.9	478.1	476.1	476.1	470.6	461.7	460.4	454.2
5°	550.4	551.8	551.8	550.4	547.0	541.5	540.2	534.7	526.5	518.4	510.2
7.5°	609.7	609.1	605.0	602.2	596.1	588.6	581.8	574.3	562.0	551.1	539.5
10°	658.2	660.2	656.8	650.0	641.8	631.6	620.7	607.7	589.3	572.9	557.9
12.5°	726.4	725.7	716.8	705.2	685.5	666.4	649.3	635.0	612.5	592.7	574.3
15°	827.3	826.0	817.8	807.5	778.9	750.2	720.9	680.7	643.2	610.4	584.5
17.5°	873.0	875.7	868.9	863.5	847.1	828.0	802.1	761.8	703.9	644.5	590.0
20°	890.8	894.2	889.4	888.7	881.2	872.3	851.2	807.5	750.9	680.7	613.2
22.5°	890.1	892.8	890.8	899.6	908.5	903.7	877.8	834.1	776.2	708.6	632.3
25°	893.5	891.4	883.9	896.9	909.8	905.8	892.8	855.3	791.9	716.1	639.1
27.5°	909.2	894.2	879.2	895.5	901.7	903.0	895.5	851.2	789.1	708.0	625.4
30°	918.0	901.7	889.4	903.0	903.0	910.5	894.8	844.4	765.9	680.0	589.3
32.5°	901.7	898.3	909.2	922.8	926.2	926.2	891.4	821.9	727.1	622.7	531.3
35°	881.9	890.1	921.4	927.6	927.6	912.6	870.3	782.3	669.1	553.8	488.3
37.5°	879.8	892.8	927.6	920.1	907.8	879.8	818.5	713.4	586.6	514.9	456.3
40°	893.5	905.8	926.2	898.9	869.6	826.0	752.3	623.4	536.8	482.9	417.4
42.5°	885.3	896.9	897.6	857.3	815.7	756.4	658.9	550.4	500.6	442.0	373.1
45°	823.9	825.3	822.5	779.6	736.6	675.2	571.6	514.3	461.1	393.5	274.2
47.5°	622.7	620.0	630.2	617.9	620.0	583.1	519.0	472.0	408.5	276.2	83.2
50°	548.4	545.0	534.7	523.8	512.9	495.2	465.2	414.7	294.6	86.6	2.7
52.5°	294.0	310.3	342.4	391.5	409.9	408.5	386.0	306.9	92.8	0.7	0.0
55°	95.5	94.1	105.0	124.1	170.5	196.4	204.6	104.4	2.0	0.0	0.0
57.5°	0.0	0.0	0.0	2.0	6.8	17.7	23.2	1.4	0.0	0.7	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7
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°	383.3	383.3	383.3	383.3	383.3	383.3	383.3	383.3
2.5°	446.1	436.5	425.6	386.7	341.0	296.7	264.6	256.4
5°	497.2	480.8	457.7	381.3	281.7	196.4	140.5	126.2
7.5°	523.8	509.5	484.9	370.4	218.3	96.9	36.1	24.6
10°	540.2	523.1	495.8	349.9	142.5	23.2	13.0	13.6
12.5°	551.8	532.0	501.3	320.6	72.3	11.6	16.4	17.1
15°	556.5	535.4	500.6	284.4	25.9	15.0	14.3	12.3
17.5°	553.8	527.2	491.8	232.6	8.9	14.3	7.5	6.1
20°	550.4	520.4	477.4	185.5	7.5	8.2	2.7	1.4
22.5°	561.3	508.8	457.7	133.0	7.5	2.7	0.0	0.0
25°	562.7	504.0	432.4	88.0	3.4	0.7	0.0	0.0
27.5°	549.0	476.1	393.5	51.8	0.0	0.0	0.0	0.0
30°	505.4	441.3	351.9	23.2	0.0	0.0	0.0	0.0
32.5°	462.4	402.4	305.6	5.5	0.0	0.0	0.0	0.0
35°	428.3	362.2	254.4	0.0	0.0	0.0	0.0	0.0
37.5°	386.0	314.4	189.6	0.0	0.0	0.0	0.0	0.0
40°	341.7	253.7	94.8	0.0	0.0	0.0	0.0	0.0
42.5°	266.7	120.7	9.5	0.0	0.0	0.0	0.0	0.0
45°	102.3	10.9	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0
65°	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0
67.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0
70°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0
72.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0
75°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0
77.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0
80°	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.0
82.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0
85°	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.0
87.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)