

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: P1313851

Luminaire Tested: LDSQA3D17R409727DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313851
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-64)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R409727DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

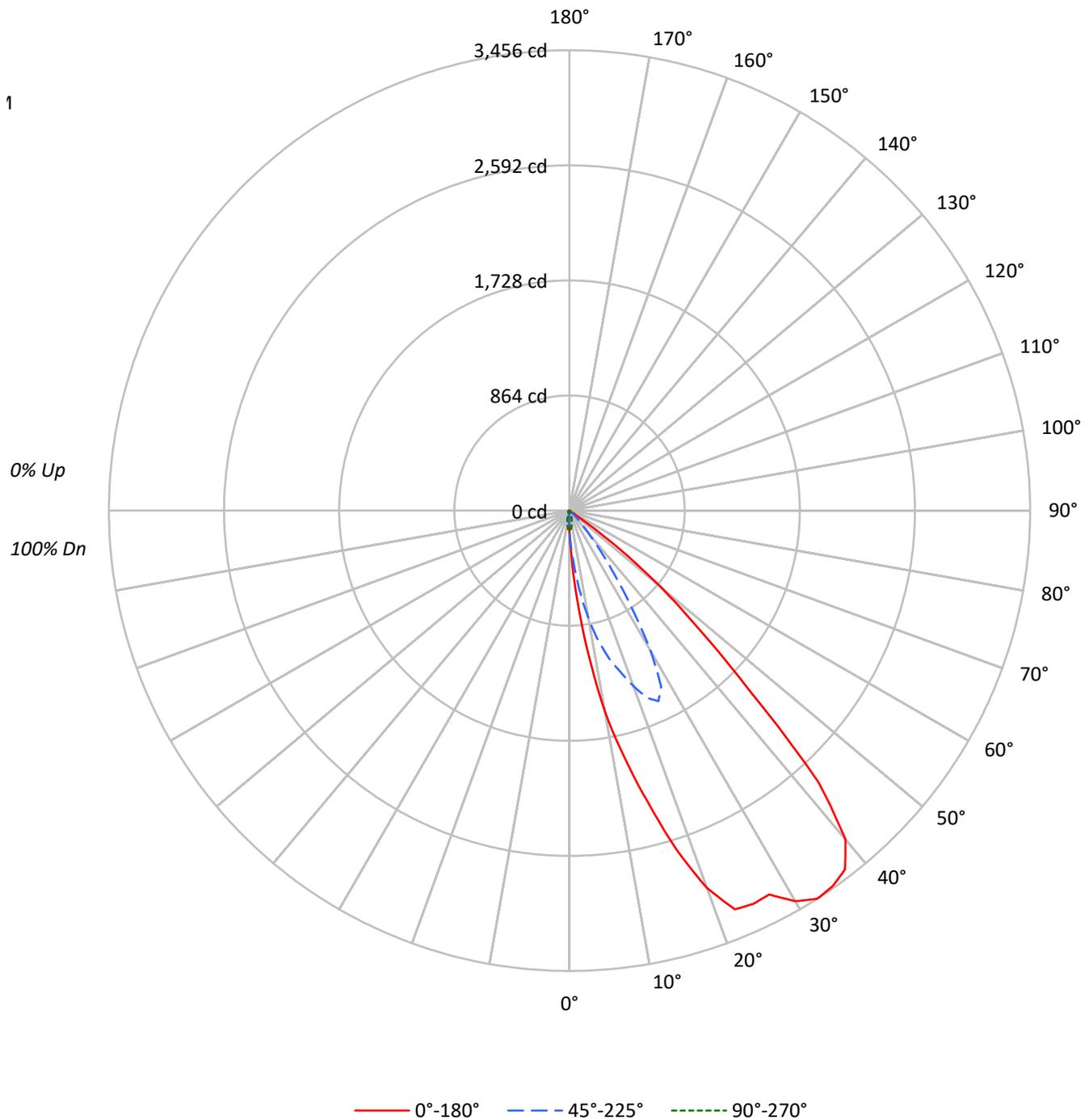
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1275.0 lumens
Efficiency: N/A
Efficacy: 60.1 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.42 / 1.24
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 (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			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	94	90	95	91	88	92	89	86	89	86	84	89	86	84	82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	82	79	76	74
4	92	83	77	71	90	82	76	71	80	74	70	78	73	69	76	72	68	76	72	68	67
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	70	65	62	60
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	60	56	64	60	56	54
7	75	64	57	52	74	63	56	51	62	56	51	61	55	51	59	54	51	59	54	51	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	54	47	42	65	54	47	42	53	46	42	52	46	42	51	46	42	51	46	42	40
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	25988	25988	25988	25988	25988
5°	117178	74702	23287	8938	6518
10°	268737	144346	16404	3200	2448
15°	403292	204811	10181	1729	1533
20°	552209	256751	5920	990	1191
25°	619031	299995	3078	817	1026
30°	673319	242159	1293	636	1074
35°	723642	123939	463	904	1367
40°	723900	49416	247	967	1686
45°	462203	16538	536	1583	2363
50°	239932	2009	857	2009	2894
55°	20718	330	961	2582	3573
60°	758	379	1102	2962	4099
65°	897	448	1752	3056	4401
70°	554	554	2165	3273	4330
75°	732	732	2129	3593	4991
80°	1091	1091	3174	3174	4265
85°	0	2174	6323	4347	4347

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 462203 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.4	2.3
10°-20°	172.6	13.5
20°-30°	377.9	29.6
30°-40°	430.6	33.8
40°-50°	227.2	17.8
50°-60°	26.8	2.1
60°-70°	4.8	0.4
70°-80°	4.0	0.3
80°-90°	1.8	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°	579.9	45.5
0°-40°	1010.5	79.2
0°-60°	1264.4	99.2
0°-90°	1275.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1275.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	151	151	151	151	151	
5°	678	432	135	52	38	91
15°	2262	1149	57	10	9	666
25°	3258	1579	16	4	5	1501
35°	3442	590	2	4	6	2133
45°	1898	68	2	6	10	1530
55°	69	1	3	9	12	214
65°	2	1	4	8	11	2
75°	1	1	3	5	8	1
85°	0	1	3	2	2	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°	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9	150.9
2.5°	336.2	336.2	335.1	325.4	324.4	323.3	306.0	301.7	281.3	267.2	203.7
5°	677.8	662.7	661.7	644.4	615.3	576.5	551.7	511.9	473.1	432.1	251.1
7.5°	1079.8	1092.7	1057.1	1038.8	974.2	927.8	856.7	794.2	706.9	625.0	289.9
10°	1536.7	1514.0	1478.5	1442.9	1372.9	1289.9	1184.3	1073.3	947.2	825.4	311.4
12.5°	1893.4	1864.3	1842.7	1794.2	1725.2	1618.6	1492.5	1343.8	1176.7	1001.1	310.4
15°	2261.9	2232.8	2184.3	2141.2	2038.8	1919.2	1782.4	1586.2	1381.5	1148.7	287.7
17.5°	2667.1	2629.4	2575.5	2509.7	2410.6	2278.1	2104.6	1865.3	1575.5	1269.4	246.8
20°	3013.0	2990.4	2936.5	2858.9	2761.9	2632.6	2432.2	2167.1	1813.6	1400.9	196.1
22.5°	3239.3	3218.8	3182.2	3114.3	3041.0	2903.1	2719.9	2428.9	2013.0	1520.5	148.7
25°	3257.6	3249.0	3239.3	3216.7	3172.5	3074.4	2895.5	2581.9	2136.9	1578.7	109.9
27.5°	3247.9	3244.7	3242.5	3230.7	3201.6	3104.6	2921.4	2604.6	2120.7	1488.2	80.8
30°	3385.8	3376.1	3370.8	3332.0	3255.5	3105.7	2866.4	2482.8	1884.7	1217.7	58.2
32.5°	3455.9	3453.7	3448.3	3410.6	3302.9	3107.8	2773.8	2188.6	1494.6	879.3	39.9
35°	3441.9	3431.1	3411.7	3341.7	3191.9	2947.3	2474.2	1747.9	1078.7	589.5	25.9
37.5°	3394.5	3369.7	3332.0	3205.9	3006.5	2672.5	2006.5	1286.7	733.9	381.5	15.1
40°	3219.9	3186.5	3127.2	2973.1	2711.3	2202.6	1483.9	869.6	481.7	219.8	4.3
42.5°	2768.4	2725.3	2682.2	2509.7	2210.2	1642.3	976.3	537.7	274.8	120.7	1.1
45°	1897.7	1843.8	1784.5	1659.5	1419.2	994.6	580.8	302.8	142.2	67.9	1.1
47.5°	1317.9	1293.1	1189.7	1030.2	789.9	526.9	300.7	148.7	75.4	31.3	1.1
50°	895.5	867.5	746.8	592.7	420.3	252.2	137.9	74.4	33.4	7.5	1.1
52.5°	469.8	435.4	358.8	273.7	170.3	105.6	60.3	32.3	9.7	1.1	1.1
55°	69.0	63.6	51.7	42.0	37.7	29.1	17.2	7.5	1.1	1.1	2.2
57.5°	2.2	2.2	2.2	2.2	3.2	3.2	2.2	1.1	1.1	1.1	2.2
60°	2.2	2.2	2.2	2.2	2.2	1.1	1.1	1.1	1.1	1.1	2.2
62.5°	2.2	2.2	2.2	2.2	2.2	1.1	1.1	1.1	1.1	1.1	2.2
65°	2.2	2.2	2.2	2.2	2.2	1.1	1.1	1.1	1.1	1.1	2.2
67.5°	2.2	2.2	2.2	2.2	1.1	1.1	1.1	1.1	1.1	2.2	3.2
70°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	3.2
72.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	3.2
75°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	3.2
77.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	3.2
80°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2
82.5°	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	3.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	2.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	2.2
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°	150.9	150.9	150.9	150.9	150.9
2.5°	148.7	109.9	85.1	73.3	72.2
5°	134.7	78.7	51.7	39.9	37.7
7.5°	114.2	55.0	30.2	21.6	20.5
10°	93.8	37.7	18.3	15.1	14.0
12.5°	74.4	24.8	12.9	11.9	10.8
15°	57.1	16.2	9.7	8.6	8.6
17.5°	43.1	10.8	7.5	7.5	7.5
20°	32.3	7.5	5.4	6.5	6.5
22.5°	22.6	5.4	4.3	5.4	5.4
25°	16.2	4.3	4.3	5.4	5.4
27.5°	10.8	3.2	3.2	4.3	5.4
30°	6.5	2.2	3.2	4.3	5.4
32.5°	3.2	2.2	3.2	5.4	5.4
35°	2.2	3.2	4.3	5.4	6.5
37.5°	1.1	3.2	4.3	6.5	6.5
40°	1.1	3.2	4.3	6.5	7.5
42.5°	2.2	4.3	5.4	7.5	8.6
45°	2.2	4.3	6.5	8.6	9.7
47.5°	2.2	4.3	7.5	9.7	9.7
50°	3.2	5.4	7.5	9.7	10.8
52.5°	3.2	5.4	7.5	10.8	11.9
55°	3.2	5.4	8.6	10.8	11.9
57.5°	3.2	6.5	8.6	10.8	11.9
60°	3.2	5.4	8.6	10.8	11.9
62.5°	4.3	5.4	7.5	10.8	10.8
65°	4.3	5.4	7.5	10.8	10.8
67.5°	4.3	5.4	7.5	9.7	9.7
70°	4.3	5.4	6.5	8.6	8.6
72.5°	4.3	5.4	6.5	7.5	8.6
75°	3.2	4.3	5.4	6.5	7.5
77.5°	3.2	4.3	4.3	6.5	6.5
80°	3.2	3.2	3.2	4.3	4.3
82.5°	3.2	3.2	2.2	3.2	3.2
85°	3.2	2.2	2.2	2.2	2.2
87.5°	2.2	2.2	1.1	1.1	1.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)