

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: P1318513

Luminaire Tested: LDSQA3D17R359830DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318513
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: LDSQA3D17R359830DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 98CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

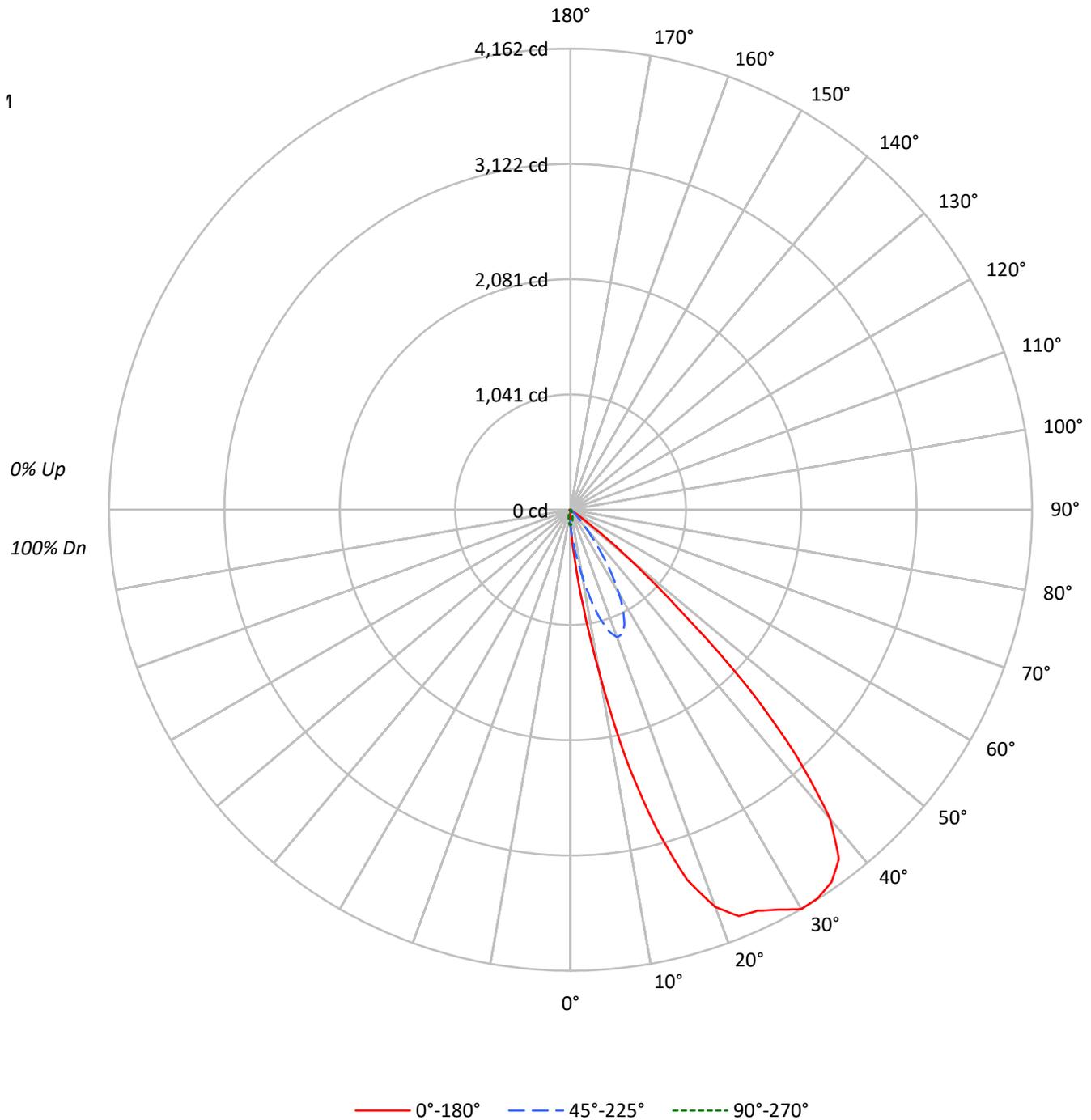
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1309.1 lumens
Efficiency: N/A
Efficacy: 64.2 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): 20.4
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91	91	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83	83	83
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	74	74	74
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	67	67	67
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61	61	61
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	55	55	55
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49	49	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45	45	45
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	41	41	41
10	62	50	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	37	37	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	23681	23681	23681	23681	23681
5°	80649	52417	22146	9353	6915
10°	259539	106239	17470	3498	2256
15°	528796	180170	12356	1266	838
20°	699269	224403	7972	440	440
25°	758738	218151	4466	228	456
30°	827679	173848	1869	239	477
35°	862446	108213	505	252	505
40°	818415	47280	270	540	787
45°	546353	18900	292	852	1437
50°	183238	3162	643	1259	1902
55°	10239	360	721	1772	2462
60°	827	413	1206	2032	2824
65°	978	489	1426	2404	3342
70°	604	604	1762	2971	3575
75°	799	799	2329	3127	3926
80°	0	1190	3471	3471	3471
85°	0	2371	6916	2371	4742

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 546353 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.9	1.8
10°-20°	188.0	14.4
20°-30°	396.8	30.3
30°-40°	450.2	34.4
40°-50°	221.6	16.9
50°-60°	19.2	1.5
60°-70°	3.9	0.3
70°-80°	3.6	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°	608.7	46.5
0°-40°	1058.9	80.9
0°-60°	1299.7	99.3
0°-90°	1309.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1309.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	138	138	138	138	138	
5°	466	303	128	54	40	77
15°	2966	1010	69	7	5	843
25°	3993	1148	24	1	2	1858
35°	4102	515	2	1	2	2528
45°	2243	78	1	4	6	1657
55°	34	1	2	6	8	134
65°	2	1	4	6	8	2
75°	1	1	4	5	6	1
85°	0	1	4	1	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°	137.5	137.5	137.5	137.5	137.5	137.5	137.5	137.5	137.5	137.5	137.5
2.5°	238.5	244.4	242.1	240.9	239.7	235.0	224.4	223.3	212.7	205.6	170.4
5°	466.5	457.1	459.4	446.5	430.1	406.6	391.3	358.4	331.4	303.2	198.6
7.5°	878.9	866.0	841.3	803.7	765.0	714.4	638.0	576.9	506.4	439.5	220.9
10°	1484.1	1477.0	1445.3	1348.9	1264.3	1129.2	1002.3	868.4	736.8	607.5	236.2
12.5°	2292.5	2244.3	2186.8	2058.7	1891.8	1722.6	1472.3	1240.8	1030.5	814.3	237.4
15°	2965.8	2935.3	2854.2	2687.3	2486.4	2242.0	1944.7	1633.3	1316.0	1010.5	225.6
17.5°	3507.5	3460.5	3355.9	3192.6	2961.1	2643.8	2296.0	1916.5	1529.9	1150.4	205.6
20°	3815.4	3790.7	3710.8	3547.4	3294.8	2948.2	2552.2	2110.4	1663.9	1224.4	179.8
22.5°	3970.5	3952.8	3894.1	3763.7	3527.5	3178.5	2724.9	2211.4	1702.6	1216.2	152.8
25°	3992.8	3988.1	3937.6	3838.9	3641.5	3296.0	2800.1	2230.2	1670.9	1148.0	126.9
27.5°	4070.3	4053.9	3994.0	3895.3	3696.7	3316.0	2774.3	2165.6	1568.7	1028.2	105.8
30°	4162.0	4150.2	4090.3	3988.1	3753.1	3297.2	2682.6	2022.2	1405.3	874.2	78.7
32.5°	4154.9	4150.2	4099.7	3991.6	3713.1	3186.7	2519.3	1807.2	1183.3	689.7	49.4
35°	4102.1	4085.6	4022.2	3855.3	3485.2	2902.4	2209.1	1515.8	936.5	514.7	31.7
37.5°	3975.2	3939.9	3833.0	3549.8	3077.4	2464.1	1799.0	1170.3	662.7	344.3	20.0
40°	3640.3	3595.6	3380.6	3038.7	2544.0	1941.2	1338.4	804.9	437.1	210.3	8.2
42.5°	3019.9	2929.4	2714.3	2363.0	1898.9	1372.4	878.9	521.7	257.3	126.9	2.4
45°	2243.2	2173.8	1948.2	1629.8	1244.4	880.1	532.3	282.0	142.2	77.6	1.2
47.5°	1306.6	1264.3	1148.0	938.9	687.4	461.8	272.6	151.6	83.4	37.6	1.2
50°	683.9	631.0	542.9	411.3	303.2	212.7	132.8	81.1	41.1	11.8	1.2
52.5°	239.7	236.2	215.0	162.2	131.6	95.2	64.6	35.3	11.8	2.4	1.2
55°	34.1	34.1	31.7	35.3	37.6	34.1	22.3	9.4	2.4	1.2	1.2
57.5°	2.4	2.4	2.4	3.5	4.7	4.7	3.5	1.2	1.2	1.2	2.4
60°	2.4	2.4	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4
62.5°	2.4	2.4	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4
65°	2.4	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4
67.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4
70°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.5
72.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.5
75°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.5
77.5°	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	2.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	2.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	2.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	2.4
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°	137.5	137.5	137.5	137.5	137.5
2.5°	136.3	109.3	87.0	76.4	72.9
5°	128.1	82.3	54.1	42.3	40.0
7.5°	114.0	58.8	32.9	23.5	22.3
10°	99.9	42.3	20.0	14.1	12.9
12.5°	83.4	29.4	12.9	8.2	7.1
15°	69.3	20.0	7.1	5.9	4.7
17.5°	55.2	12.9	4.7	3.5	4.7
20°	43.5	8.2	2.4	2.4	2.4
22.5°	32.9	4.7	2.4	2.4	2.4
25°	23.5	2.4	1.2	1.2	2.4
27.5°	16.5	1.2	1.2	1.2	2.4
30°	9.4	1.2	1.2	1.2	2.4
32.5°	4.7	1.2	1.2	2.4	2.4
35°	2.4	1.2	1.2	2.4	2.4
37.5°	1.2	1.2	1.2	2.4	3.5
40°	1.2	1.2	2.4	3.5	3.5
42.5°	1.2	1.2	2.4	3.5	4.7
45°	1.2	2.4	3.5	4.7	5.9
47.5°	2.4	2.4	4.7	5.9	7.1
50°	2.4	3.5	4.7	7.1	7.1
52.5°	2.4	3.5	5.9	7.1	8.2
55°	2.4	4.7	5.9	8.2	8.2
57.5°	3.5	4.7	5.9	8.2	8.2
60°	3.5	4.7	5.9	8.2	8.2
62.5°	3.5	4.7	5.9	8.2	8.2
65°	3.5	4.7	5.9	8.2	8.2
67.5°	3.5	4.7	5.9	7.1	8.2
70°	3.5	4.7	5.9	7.1	7.1
72.5°	4.7	4.7	5.9	7.1	7.1
75°	3.5	4.7	4.7	5.9	5.9
77.5°	3.5	3.5	3.5	4.7	4.7
80°	3.5	3.5	3.5	3.5	3.5
82.5°	3.5	2.4	2.4	3.5	3.5
85°	3.5	2.4	1.2	2.4	2.4
87.5°	2.4	2.4	1.2	1.2	1.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)