

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: P1320265

Luminaire Tested: LDSQA3D17R359840DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320265
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: LDSQA3D17R359840DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 98CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

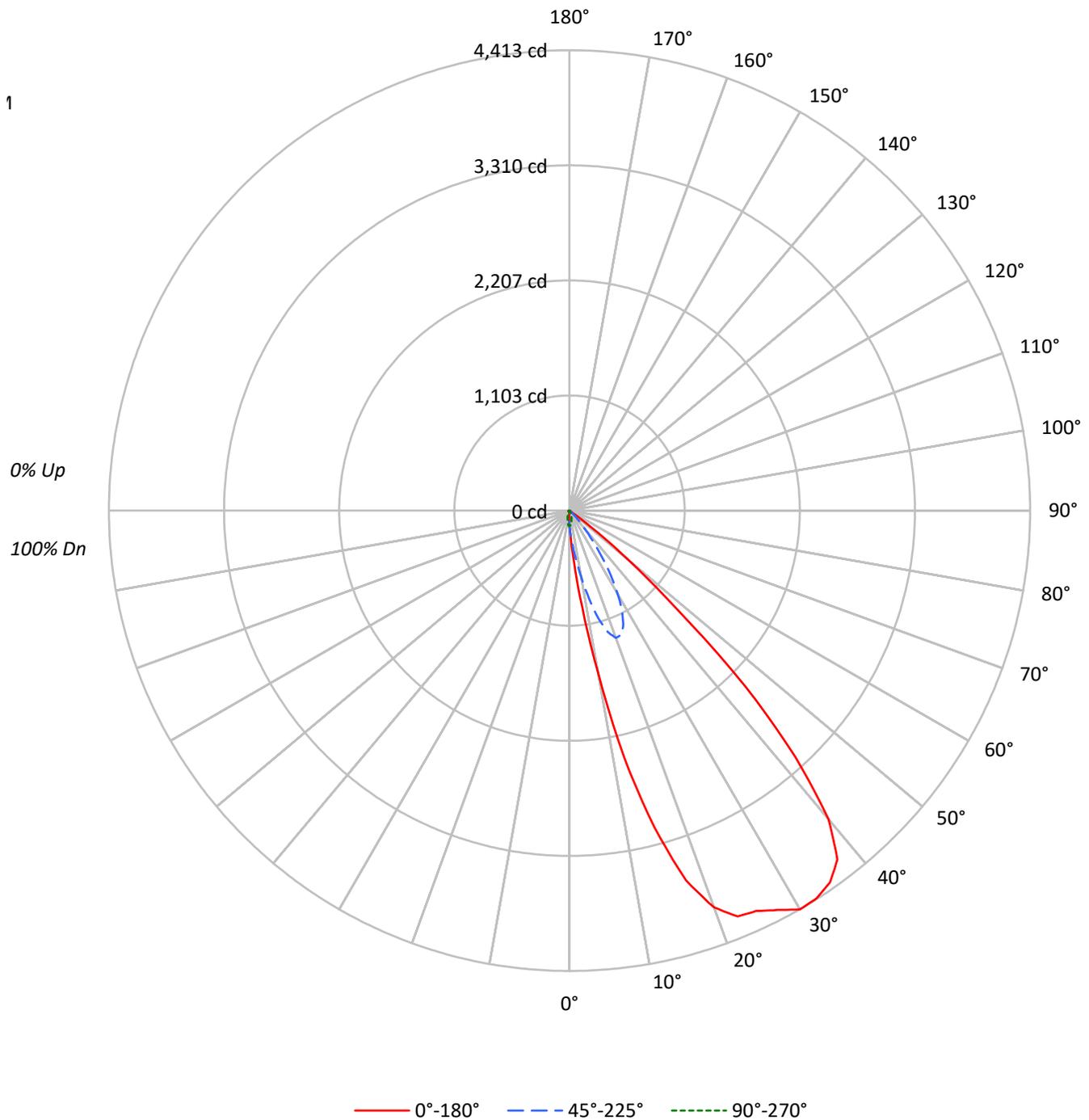
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1387.9 lumens
Efficiency: N/A
Efficacy: 68.0 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 (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	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°	25110	25110	25110	25110	25110
5°	85507	55581	23477	9906	7330
10°	275190	112657	18520	3707	2396
15°	560712	191046	13105	1337	891
20°	741459	237947	8449	458	458
25°	804535	231319	4732	228	475
30°	877634	184348	1989	239	497
35°	914482	114731	526	252	526
40°	867808	50135	270	562	832
45°	579306	20021	292	901	1510
50°	194277	3349	670	1340	2009
55°	10839	360	751	1862	2612
60°	861	413	1274	2136	2997
65°	1019	489	1508	2527	3545
70°	604	604	1863	3122	3777
75°	799	799	2462	3327	4126
80°	0	1190	3670	3670	3670
85°	0	2371	7311	2371	4940

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 579306 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.3	1.8
10°-20°	199.3	14.4
20°-30°	420.8	30.3
30°-40°	477.4	34.4
40°-50°	234.9	16.9
50°-60°	20.4	1.5
60°-70°	4.1	0.3
70°-80°	3.8	0.3
80°-90°	1.9	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°	645.4	46.5
0°-40°	1122.8	80.9
0°-60°	1378.1	99.3
0°-90°	1387.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1387.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	146	146	146	146	146	
5°	495	322	136	57	42	81
15°	3145	1072	74	8	5	894
25°	4234	1217	25	1	2	1970
35°	4350	546	2	1	2	2681
45°	2378	82	1	4	6	1757
55°	36	1	2	6	9	142
65°	2	1	4	6	9	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°	145.8	145.8	145.8	145.8	145.8	145.8	145.8	145.8	145.8	145.8	145.8
2.5°	252.9	259.2	256.7	255.4	254.2	249.2	238.0	236.7	225.5	218.0	180.7
5°	494.6	484.7	487.2	473.5	456.0	431.1	414.9	380.0	351.4	321.5	210.6
7.5°	932.0	918.3	892.1	852.2	811.1	757.5	676.6	611.8	537.0	466.0	234.2
10°	1573.6	1566.2	1532.5	1430.4	1340.6	1197.4	1062.8	920.8	781.2	644.2	250.4
12.5°	2430.9	2379.8	2318.7	2182.9	2006.0	1826.6	1561.2	1315.7	1092.7	863.4	251.7
15°	3144.8	3112.4	3026.4	2849.5	2636.4	2377.3	2062.1	1731.9	1395.5	1071.5	239.2
17.5°	3719.2	3669.3	3558.5	3385.3	3139.8	2803.4	2434.6	2032.2	1622.2	1219.8	218.0
20°	4045.6	4019.5	3934.7	3761.5	3493.7	3126.1	2706.2	2237.7	1764.3	1298.3	190.6
22.5°	4210.1	4191.4	4129.1	3990.8	3740.4	3370.3	2889.4	2344.9	1805.4	1289.6	162.0
25°	4233.8	4228.8	4175.2	4070.5	3861.2	3494.9	2969.1	2364.8	1771.7	1217.3	134.6
27.5°	4316.0	4298.5	4235.0	4130.3	3919.8	3516.1	2941.7	2296.3	1663.4	1090.2	112.1
30°	4413.2	4400.7	4337.2	4228.8	3979.6	3496.2	2844.5	2144.3	1490.2	927.0	83.5
32.5°	4405.7	4400.7	4347.1	4232.5	3937.2	3379.0	2671.3	1916.3	1254.7	731.4	52.3
35°	4349.6	4332.2	4264.9	4088.0	3695.5	3077.5	2342.4	1607.3	993.0	545.7	33.6
37.5°	4215.1	4177.7	4064.3	3764.0	3263.2	2612.8	1907.6	1241.0	702.7	365.1	21.2
40°	3860.0	3812.6	3584.6	3222.0	2697.5	2058.3	1419.1	853.5	463.5	223.0	8.7
42.5°	3202.1	3106.2	2878.2	2505.6	2013.5	1455.3	932.0	553.2	272.9	134.6	2.5
45°	2378.5	2305.0	2065.8	1728.1	1319.5	933.2	564.4	299.0	150.8	82.2	1.2
47.5°	1385.5	1340.6	1217.3	995.5	728.9	489.7	289.1	160.7	88.5	39.9	1.2
50°	725.1	669.1	575.6	436.1	321.5	225.5	140.8	86.0	43.6	12.5	1.2
52.5°	254.2	250.4	228.0	171.9	139.5	100.9	68.5	37.4	12.5	2.5	1.2
55°	36.1	36.1	33.6	37.4	39.9	36.1	23.7	10.0	2.5	1.2	1.2
57.5°	2.5	2.5	2.5	3.7	5.0	5.0	3.7	1.2	1.2	1.2	2.5
60°	2.5	2.5	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5
62.5°	2.5	2.5	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5
65°	2.5	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5
67.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5
70°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.7
72.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.7
75°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.7
77.5°	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	2.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	2.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	2.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	2.5
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°	145.8	145.8	145.8	145.8	145.8
2.5°	144.5	115.9	92.2	81.0	77.2
5°	135.8	87.2	57.3	44.9	42.4
7.5°	120.9	62.3	34.9	24.9	23.7
10°	105.9	44.9	21.2	15.0	13.7
12.5°	88.5	31.1	13.7	8.7	7.5
15°	73.5	21.2	7.5	6.2	5.0
17.5°	58.6	13.7	5.0	3.7	5.0
20°	46.1	8.7	2.5	2.5	2.5
22.5°	34.9	5.0	2.5	2.5	2.5
25°	24.9	2.5	1.2	1.2	2.5
27.5°	17.4	1.2	1.2	1.2	2.5
30°	10.0	1.2	1.2	1.2	2.5
32.5°	5.0	1.2	1.2	2.5	2.5
35°	2.5	1.2	1.2	2.5	2.5
37.5°	1.2	1.2	1.2	2.5	3.7
40°	1.2	1.2	2.5	3.7	3.7
42.5°	1.2	1.2	2.5	3.7	5.0
45°	1.2	2.5	3.7	5.0	6.2
47.5°	2.5	2.5	5.0	6.2	7.5
50°	2.5	3.7	5.0	7.5	7.5
52.5°	2.5	3.7	6.2	7.5	8.7
55°	2.5	5.0	6.2	8.7	8.7
57.5°	3.7	5.0	6.2	8.7	8.7
60°	3.7	5.0	6.2	8.7	8.7
62.5°	3.7	5.0	6.2	8.7	8.7
65°	3.7	5.0	6.2	8.7	8.7
67.5°	3.7	5.0	6.2	7.5	8.7
70°	3.7	5.0	6.2	7.5	7.5
72.5°	5.0	5.0	6.2	7.5	7.5
75°	3.7	5.0	5.0	6.2	6.2
77.5°	3.7	3.7	3.7	5.0	5.0
80°	3.7	3.7	3.7	3.7	3.7
82.5°	3.7	2.5	2.5	3.7	3.7
85°	3.7	2.5	1.2	2.5	2.5
87.5°	2.5	2.5	1.2	1.2	1.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)