

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: P1315935

Luminaire Tested: LDSQA3D20R359735D010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315935
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: LDSQA3D20R359735D010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

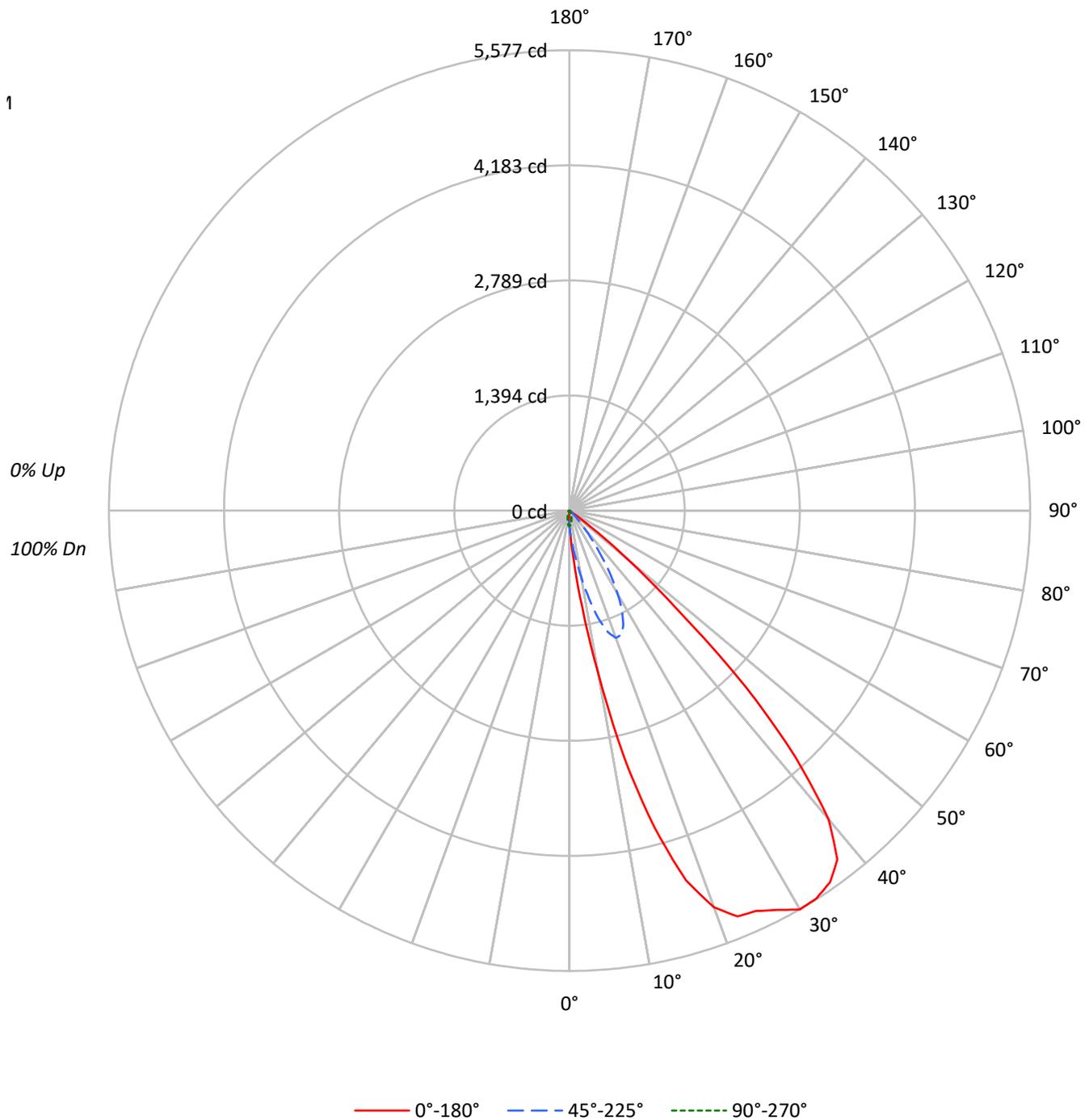
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1754.0 lumens
Efficiency: N/A
Efficacy: 60.9 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): 28.8
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	50	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°	31723	31723	31723	31723	31723
5°	108068	70224	29666	12517	9249
10°	347765	142352	23399	4687	3025
15°	708556	241433	16564	1676	1123
20°	936978	300682	10685	568	568
25°	1016681	292318	5986	304	589
30°	1109053	232951	2506	318	616
35°	1155633	144985	652	336	652
40°	1096630	63354	360	697	1057
45°	732067	25306	390	1145	1924
50°	245532	4207	831	1688	2519
55°	13722	480	931	2372	3303
60°	1068	551	1619	2721	3789
65°	1263	652	1915	3219	4483
70°	806	806	2367	3978	4733
75°	1065	1065	3127	4192	5257
80°	0	1587	4661	4661	4661
85°	0	3162	9287	3162	6126

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 732067 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.0	1.8
10°-20°	251.9	14.4
20°-30°	531.7	30.3
30°-40°	603.3	34.4
40°-50°	296.9	16.9
50°-60°	25.7	1.5
60°-70°	5.2	0.3
70°-80°	4.9	0.3
80°-90°	2.4	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°	815.6	46.5
0°-40°	1418.8	80.9
0°-60°	1741.5	99.3
0°-90°	1754.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1754.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	184	184	184	184	184	
5°	625	406	172	72	54	103
15°	3974	1354	93	9	6	1130
25°	5350	1538	32	2	3	2490
35°	5497	690	3	2	3	3388
45°	3006	104	2	5	8	2221
55°	46	2	3	8	11	179
65°	3	2	5	8	11	3
75°	2	2	5	6	8	1
85°	0	2	5	2	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°	184.2	184.2	184.2	184.2	184.2	184.2	184.2	184.2	184.2	184.2	184.2
2.5°	319.6	327.5	324.3	322.8	321.2	314.9	300.7	299.2	285.0	275.5	228.3
5°	625.1	612.5	615.6	598.3	576.3	544.8	524.3	480.2	444.0	406.2	266.1
7.5°	1177.7	1160.4	1127.3	1077.0	1025.0	957.3	855.0	773.1	678.6	588.9	296.0
10°	1988.6	1979.1	1936.6	1807.5	1694.2	1513.1	1343.0	1163.6	987.2	814.0	316.5
12.5°	3071.9	3007.3	2930.1	2758.5	2534.9	2308.2	1972.8	1662.7	1380.8	1091.1	318.0
15°	3974.0	3933.1	3824.5	3600.9	3331.6	3004.1	2605.8	2188.6	1763.4	1354.1	302.3
17.5°	4699.9	4636.9	4496.8	4277.9	3967.7	3542.6	3076.6	2568.0	2050.0	1541.4	275.5
20°	5112.4	5079.3	4972.3	4753.4	4414.9	3950.4	3419.8	2827.8	2229.5	1640.6	240.9
22.5°	5320.2	5296.6	5217.9	5043.1	4726.7	4259.0	3651.3	2963.2	2281.5	1629.6	204.7
25°	5350.2	5343.9	5276.2	5143.9	4879.4	4416.5	3752.0	2988.4	2238.9	1538.3	170.0
27.5°	5454.1	5432.0	5351.7	5219.5	4953.4	4443.2	3717.4	2901.8	2102.0	1377.7	141.7
30°	5576.9	5561.1	5480.8	5343.9	5029.0	4418.0	3594.6	2709.7	1883.1	1171.4	105.5
32.5°	5567.4	5561.1	5493.4	5348.6	4975.4	4270.0	3375.7	2421.6	1585.5	924.2	66.1
35°	5496.6	5474.5	5389.5	5165.9	4670.0	3889.0	2960.1	2031.1	1254.9	689.6	42.5
37.5°	5326.5	5279.3	5136.0	4756.6	4123.6	3301.7	2410.6	1568.2	888.0	461.3	26.8
40°	4877.8	4818.0	4529.8	4071.7	3408.8	2601.1	1793.4	1078.5	585.7	281.8	11.0
42.5°	4046.5	3925.2	3637.1	3166.3	2544.4	1839.0	1177.7	699.1	344.8	170.0	3.1
45°	3005.7	2912.8	2610.5	2183.8	1667.4	1179.3	713.2	377.9	190.5	103.9	1.6
47.5°	1750.8	1694.2	1538.3	1258.0	921.1	618.8	365.3	203.1	111.8	50.4	1.6
50°	916.4	845.5	727.4	551.1	406.2	285.0	177.9	108.6	55.1	15.7	1.6
52.5°	321.2	316.5	288.1	217.3	176.3	127.5	86.6	47.2	15.7	3.1	1.6
55°	45.7	45.7	42.5	47.2	50.4	45.7	29.9	12.6	3.1	1.6	1.6
57.5°	3.1	3.1	3.1	4.7	6.3	6.3	4.7	1.6	1.6	1.6	3.1
60°	3.1	3.1	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.1
62.5°	3.1	3.1	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.1
65°	3.1	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.1
67.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.1
70°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	4.7
72.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	4.7
75°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	4.7
77.5°	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	4.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	3.1
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	3.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	3.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	3.1
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°	184.2	184.2	184.2	184.2	184.2
2.5°	182.6	146.4	116.5	102.3	97.6
5°	171.6	110.2	72.4	56.7	53.5
7.5°	152.7	78.7	44.1	31.5	29.9
10°	133.8	56.7	26.8	18.9	17.3
12.5°	111.8	39.4	17.3	11.0	9.4
15°	92.9	26.8	9.4	7.9	6.3
17.5°	74.0	17.3	6.3	4.7	6.3
20°	58.3	11.0	3.1	3.1	3.1
22.5°	44.1	6.3	3.1	3.1	3.1
25°	31.5	3.1	1.6	1.6	3.1
27.5°	22.0	1.6	1.6	1.6	3.1
30°	12.6	1.6	1.6	1.6	3.1
32.5°	6.3	1.6	1.6	3.1	3.1
35°	3.1	1.6	1.6	3.1	3.1
37.5°	1.6	1.6	1.6	3.1	4.7
40°	1.6	1.6	3.1	4.7	4.7
42.5°	1.6	1.6	3.1	4.7	6.3
45°	1.6	3.1	4.7	6.3	7.9
47.5°	3.1	3.1	6.3	7.9	9.4
50°	3.1	4.7	6.3	9.4	9.4
52.5°	3.1	4.7	7.9	9.4	11.0
55°	3.1	6.3	7.9	11.0	11.0
57.5°	4.7	6.3	7.9	11.0	11.0
60°	4.7	6.3	7.9	11.0	11.0
62.5°	4.7	6.3	7.9	11.0	11.0
65°	4.7	6.3	7.9	11.0	11.0
67.5°	4.7	6.3	7.9	9.4	11.0
70°	4.7	6.3	7.9	9.4	9.4
72.5°	6.3	6.3	7.9	9.4	9.4
75°	4.7	6.3	6.3	7.9	7.9
77.5°	4.7	4.7	4.7	6.3	6.3
80°	4.7	4.7	4.7	4.7	4.7
82.5°	4.7	3.1	3.1	4.7	4.7
85°	4.7	3.1	1.6	3.1	3.1
87.5°	3.1	3.1	1.6	1.6	1.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)