

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: P1313416

Luminaire Tested: LDSQA3D05R609727DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313416
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-67)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R609727DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

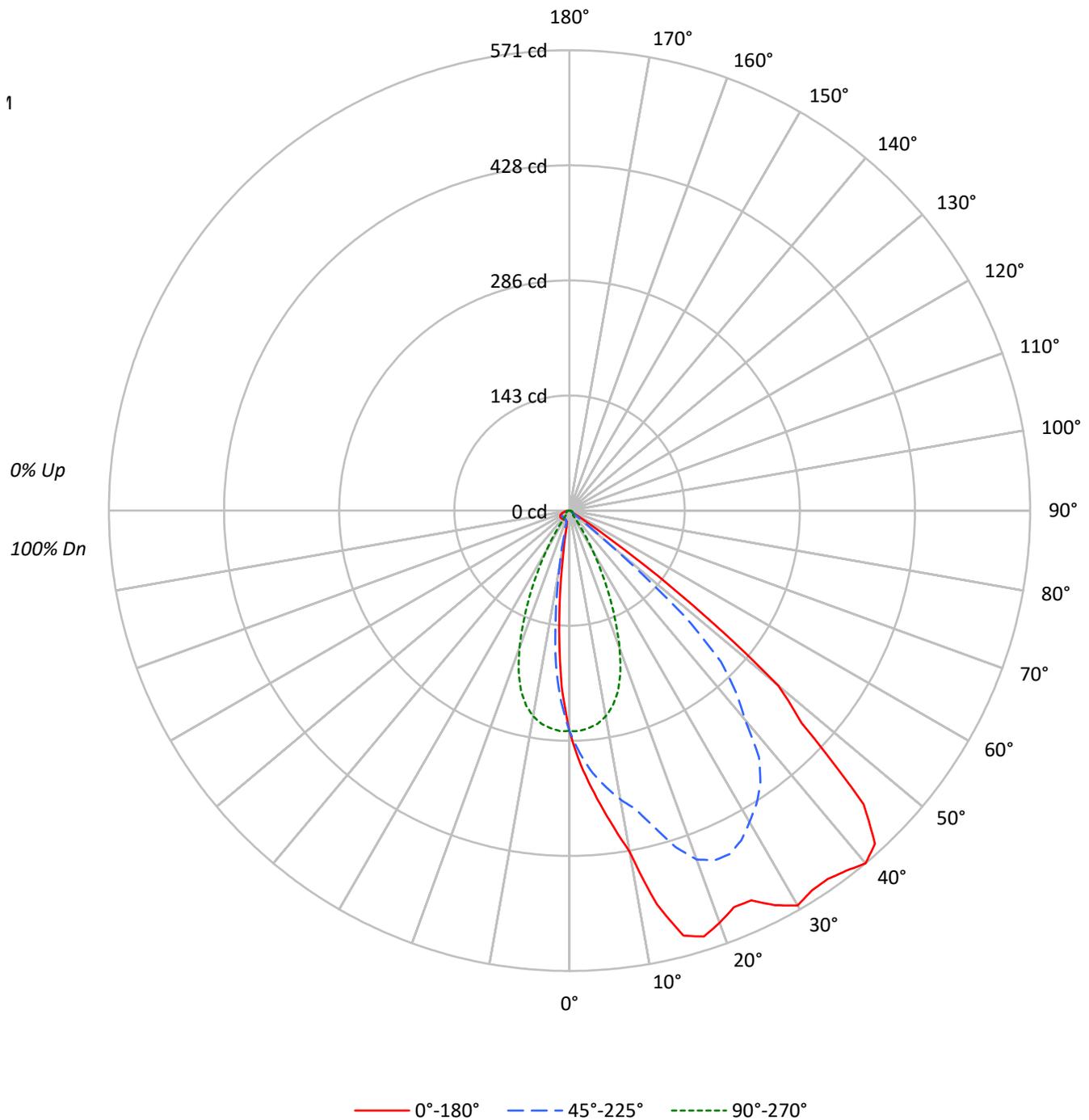
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 444.0 lumens
Efficiency: N/A
Efficacy: 61.7 lumens/watt
Spacing Criteria (0/90/45): 1.62 / 0.77 / 1.26
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	103	109	106	104	101	102	100	98	99	97	95	95	94	92	95	94	92	90	
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	88	85	83	81	
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	81	77	74	72	
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	74	70	67	65	
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	68	64	60	58	
6	79	68	61	56	78	67	61	55	66	60	55	64	59	55	63	58	54	63	58	54	52	
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	58	53	49	47	
8	70	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	54	49	45	43	
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	50	45	41	39	
10	61	50	43	38	60	49	43	38	48	42	38	47	42	38	47	41	38	47	41	38	36	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	47068	47068	47068	47068	47068
5°	60802	56445	46816	33331	25431
10°	75146	63639	45311	12609	3742
15°	97315	72425	41329	2764	2461
20°	99720	84362	33265	2309	2383
25°	101322	89294	22309	2223	2394
30°	112458	88694	11494	2247	2506
35°	117296	86726	3175	2376	2733
40°	128350	76057	1506	2540	3013
45°	125579	64616	1534	2752	3361
50°	90534	15942	1688	3028	3697
55°	17355	1021	1772	3273	4144
60°	861	999	1722	3479	4478
65°	856	1019	1712	3586	4768
70°	856	1057	1712	3575	4834
75°	865	1131	1664	3593	4991
80°	397	1289	1686	3769	4959
85°	790	790	1581	3359	4940

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 125579 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.8	5.4
10°-20°	65.6	14.8
20°-30°	101.0	22.7
30°-40°	118.5	26.7
40°-50°	95.0	21.4
50°-60°	29.5	6.6
60°-70°	5.6	1.3
70°-80°	3.7	0.8
80°-90°	1.3	0.3
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°	190.4	42.9
0°-40°	308.9	69.6
0°-60°	433.4	97.6
0°-90°	444.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	444.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	273	273	273	273	273	
5°	352	326	271	193	147	36
15°	546	406	232	16	14	149
25°	533	470	117	12	13	252
35°	558	412	15	11	13	353
45°	516	265	6	11	14	369
55°	58	3	6	11	14	92
65°	2	2	4	9	12	2
75°	1	2	2	5	8	1
85°	0	0	1	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°	50°
0°	273.3	273.3	273.3	273.3	273.3	273.3	273.3	273.3	273.3	273.3	273.3
2.5°	315.2	311.9	311.9	310.6	309.4	309.8	306.4	307.7	304.3	301.8	299.7
5°	351.7	347.5	347.1	345.0	342.9	341.2	337.0	334.5	329.5	326.5	320.3
7.5°	389.4	386.1	384.0	381.5	377.7	373.5	366.4	361.8	353.8	345.8	337.9
10°	429.7	426.7	422.1	419.2	408.7	402.0	392.4	386.1	374.3	363.9	351.7
12.5°	500.1	498.4	489.6	483.7	468.7	455.2	434.3	417.5	396.6	379.4	363.0
15°	545.8	543.7	539.1	533.6	524.0	508.9	490.0	466.6	437.2	406.2	378.5
17.5°	553.8	554.2	551.2	550.0	543.7	534.0	519.0	501.4	472.0	437.6	399.9
20°	544.1	547.5	546.6	549.1	550.4	546.6	536.6	519.4	493.8	460.3	417.9
22.5°	532.4	535.3	534.5	539.1	546.2	550.0	546.6	532.8	506.8	469.5	428.0
25°	533.2	535.3	529.0	532.0	541.2	550.4	550.8	538.7	510.6	469.9	427.2
27.5°	551.7	545.4	531.1	529.9	541.2	552.9	553.8	538.7	505.1	461.1	418.8
30°	565.5	560.9	544.9	542.9	553.8	561.7	557.5	534.0	492.1	446.0	406.6
32.5°	558.8	559.6	552.9	559.6	573.9	577.2	559.6	523.2	474.1	431.3	392.4
35°	557.9	561.3	565.1	575.5	585.2	577.2	549.1	502.6	454.8	412.5	370.1
37.5°	563.0	568.4	573.9	583.1	583.1	562.6	521.5	476.6	431.8	385.7	324.0
40°	570.9	574.3	576.0	575.1	563.8	533.6	490.0	445.2	402.4	338.3	293.4
42.5°	560.5	560.0	558.4	551.2	530.3	490.9	450.2	413.7	346.3	305.2	254.0
45°	515.6	515.6	511.0	499.7	480.4	447.7	411.6	358.4	315.7	265.3	188.6
47.5°	390.3	387.3	392.4	399.1	399.1	396.1	363.4	317.3	273.7	191.6	60.4
50°	337.9	333.3	327.0	328.2	327.4	330.7	309.8	275.0	202.5	59.5	4.2
52.5°	191.2	199.5	220.1	249.0	262.0	266.6	253.6	209.2	68.3	3.8	3.4
55°	57.8	59.5	67.5	83.0	112.8	144.2	146.3	67.9	4.6	3.4	3.4
57.5°	2.5	2.5	3.4	5.0	11.7	17.6	18.9	4.2	2.9	3.4	3.4
60°	2.5	2.5	2.5	2.5	2.5	2.5	2.9	2.9	2.9	2.9	3.4
62.5°	2.1	2.1	2.5	2.5	2.5	2.5	2.5	2.5	2.9	2.9	2.9
65°	2.1	2.1	2.1	2.1	2.1	2.1	2.5	2.5	2.5	2.5	2.9
67.5°	1.7	1.7	1.7	2.1	2.1	2.1	2.1	2.1	2.5	2.5	2.5
70°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.1	2.1	2.1	2.1
72.5°	1.3	1.3	1.3	1.3	1.3	1.7	1.7	1.7	1.7	1.7	2.1
75°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.7	1.7	1.7	1.7
77.5°	0.8	0.8	0.8	0.8	0.8	1.3	1.3	1.3	1.3	1.3	1.3
80°	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.3	1.3
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8	0.8	0.8	0.8
85°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
87.5°	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4
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):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	273.3	273.3	273.3	273.3	273.3	273.3	273.3	273.3
2.5°	296.8	293.4	289.7	273.7	258.2	237.3	223.0	218.8
5°	314.8	309.4	301.0	270.8	234.3	192.8	159.3	147.1
7.5°	329.9	321.5	309.8	266.6	205.8	130.8	84.3	71.3
10°	340.8	330.3	315.2	259.1	168.1	72.1	28.5	21.4
12.5°	350.0	336.2	318.2	247.7	122.4	29.3	14.7	14.7
15°	356.3	339.5	319.4	231.8	79.2	15.5	13.8	13.8
17.5°	365.1	343.3	319.4	209.6	43.2	13.4	13.4	13.4
20°	379.4	347.1	314.8	181.5	23.9	12.6	13.0	13.0
22.5°	386.9	352.5	308.9	148.8	15.1	12.2	12.6	12.6
25°	388.6	351.7	296.4	117.4	12.2	11.7	12.2	12.6
27.5°	382.7	345.8	279.6	85.5	10.9	11.3	12.2	12.6
30°	372.2	331.6	252.8	57.8	10.1	11.3	12.2	12.6
32.5°	352.5	297.2	221.3	34.8	9.6	11.3	12.2	13.0
35°	308.5	261.2	185.3	15.1	9.2	11.3	12.6	13.0
37.5°	276.7	225.1	143.4	7.5	9.2	11.3	12.6	13.4
40°	241.5	181.1	66.2	6.7	9.2	11.3	12.6	13.4
42.5°	184.0	83.8	8.0	6.7	8.8	11.3	13.0	13.4
45°	67.1	8.8	4.2	6.3	8.8	11.3	13.0	13.8
47.5°	5.0	3.4	3.8	6.3	8.8	11.3	13.0	13.8
50°	3.4	3.4	3.8	6.3	8.8	11.3	13.0	13.8
52.5°	3.4	3.8	3.8	5.9	8.4	11.3	13.0	13.8
55°	3.4	3.8	3.8	5.9	8.4	10.9	13.0	13.8
57.5°	3.4	3.4	3.8	5.4	8.0	10.5	13.0	13.4
60°	3.4	3.4	3.8	5.0	7.5	10.1	12.2	13.0
62.5°	3.4	3.4	3.4	4.6	7.1	9.6	11.7	12.6
65°	2.9	2.9	3.4	4.2	6.3	8.8	10.9	11.7
67.5°	2.5	2.9	2.9	3.8	5.9	8.0	10.1	10.9
70°	2.5	2.5	2.5	3.4	5.0	7.1	9.2	9.6
72.5°	2.1	2.1	2.5	2.9	4.6	6.3	8.4	8.8
75°	1.7	2.1	2.1	2.5	3.8	5.4	7.1	7.5
77.5°	1.7	1.7	1.7	2.1	3.4	4.6	5.9	6.3
80°	1.3	1.3	1.3	1.7	2.5	3.8	4.6	5.0
82.5°	0.8	1.3	1.3	1.3	2.1	2.5	3.4	3.8
85°	0.8	0.8	0.8	0.8	1.3	1.7	2.1	2.5
87.5°	0.4	0.4	0.8	0.8	0.8	0.8	0.8	1.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)