

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: P1314388

Luminaire Tested: LDSQA3D05R609730DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314388
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: LDSQA3D05R609730DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 3000K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

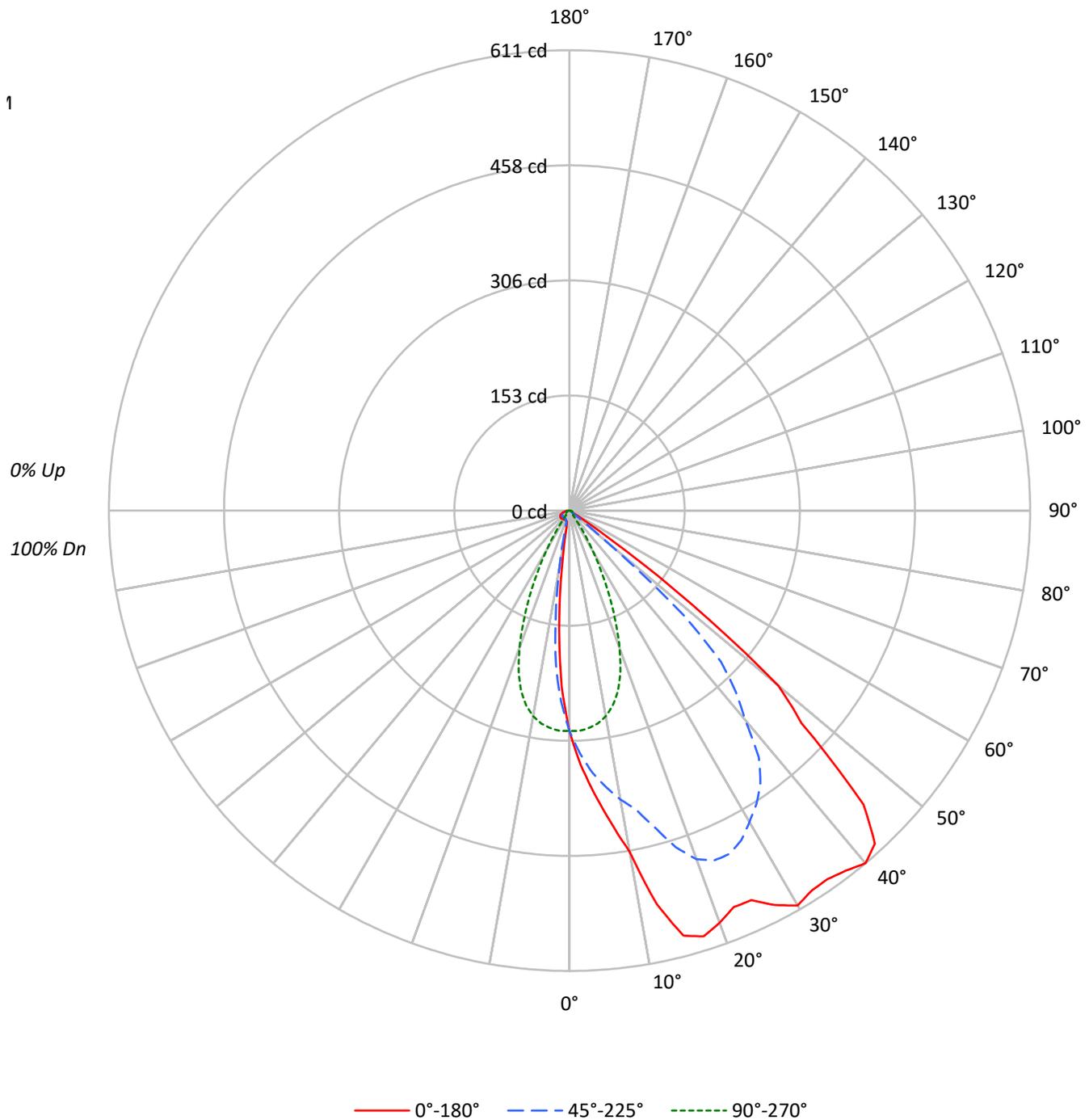
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 475.0 lumens
Efficiency: N/A
Efficacy: 66.0 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
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	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90	90	90
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	81	81	81
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	72	72	72
4	91	82	75	70	89	81	74	69	78	73	68	76	71	67	74	70	67	65	65	65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58	58	58
6	79	68	61	56	78	67	61	55	66	60	55	64	59	55	63	58	54	52	52	52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47	47	47
8	70	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43	43	43
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39	39	39
10	61	50	43	38	60	49	43	38	48	42	38	47	42	38	47	41	38	36	36	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	50358	50358	50358	50358	50358
5°	65055	60387	50083	35665	27211
10°	80392	68081	48459	13483	4005
15°	104108	77488	44218	2960	2639
20°	106685	90245	35592	2474	2548
25°	108391	95526	23867	2394	2565
30°	120314	94899	12310	2406	2685
35°	125495	92781	3385	2544	2922
40°	137320	81363	1619	2720	3237
45°	134347	69147	1632	2947	3605
50°	96857	17067	1795	3242	3965
55°	18586	1081	1892	3513	4444
60°	930	1068	1860	3720	4788
65°	897	1100	1834	3831	5135
70°	906	1108	1813	3827	5187
75°	865	1198	1797	3859	5390
80°	397	1289	1785	3967	5356
85°	790	790	1778	3557	5335

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 134347 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.4	5.4
10°-20°	70.2	14.8
20°-30°	108.1	22.8
30°-40°	126.8	26.7
40°-50°	101.7	21.4
50°-60°	31.6	6.6
60°-70°	6.0	1.3
70°-80°	4.0	0.8
80°-90°	1.4	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°	203.7	42.9
0°-40°	330.5	69.6
0°-60°	463.7	97.6
0°-90°	475.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	475.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	292	292	292	292	292	
5°	376	349	290	206	157	38
15°	584	435	248	17	15	160
25°	570	503	126	13	14	269
35°	597	441	16	12	14	378
45°	552	284	7	12	15	395
55°	62	4	6	12	15	98
65°	2	3	4	9	13	2
75°	1	2	3	6	8	1
85°	0	0	1	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°	50°
0°	292.4	292.4	292.4	292.4	292.4	292.4	292.4	292.4	292.4	292.4	292.4
2.5°	337.2	333.7	333.7	332.3	331.0	331.4	327.8	329.2	325.6	322.9	320.6
5°	376.3	371.8	371.3	369.1	366.8	365.0	360.6	357.9	352.5	349.3	342.6
7.5°	416.6	413.0	410.8	408.1	404.1	399.6	392.0	387.0	378.5	370.0	361.5
10°	459.7	456.5	451.6	448.5	437.2	430.1	419.8	413.0	400.5	389.3	376.3
12.5°	535.0	533.2	523.8	517.5	501.4	487.0	464.6	446.7	424.2	405.9	388.4
15°	583.9	581.7	576.7	570.9	560.6	544.4	524.2	499.1	467.7	434.6	405.0
17.5°	592.4	592.9	589.7	588.4	581.7	571.3	555.2	536.4	505.0	468.2	427.8
20°	582.1	585.7	584.8	587.5	588.8	584.8	574.0	555.6	528.3	492.4	447.1
22.5°	569.5	572.7	571.8	576.7	584.3	588.4	584.8	570.0	542.2	502.3	457.9
25°	570.4	572.7	566.0	569.1	579.0	588.8	589.3	576.3	546.2	502.7	457.0
27.5°	590.2	583.4	568.2	566.9	579.0	591.5	592.4	576.3	540.4	493.3	448.0
30°	605.0	600.0	583.0	580.8	592.4	600.9	596.5	571.3	526.5	477.2	435.0
32.5°	597.8	598.7	591.5	598.7	613.9	617.5	598.7	559.7	507.2	461.5	419.8
35°	596.9	600.5	604.5	615.7	626.0	617.5	587.5	537.7	486.6	441.3	396.0
37.5°	602.3	608.1	613.9	623.8	623.8	601.8	557.9	509.9	461.9	412.6	346.7
40°	610.8	614.4	616.2	615.3	603.2	570.9	524.2	476.3	430.5	361.9	313.9
42.5°	599.6	599.1	597.3	589.7	567.3	525.1	481.6	442.6	370.4	326.5	271.8
45°	551.6	551.6	546.7	534.6	513.9	479.0	440.4	383.4	337.7	283.9	201.8
47.5°	417.5	414.4	419.8	426.9	426.9	423.8	388.8	339.5	292.8	204.9	64.6
50°	361.5	356.5	349.8	351.1	350.2	353.8	331.4	294.2	216.6	63.7	4.5
52.5°	204.5	213.5	235.4	266.4	280.3	285.2	271.3	223.8	73.1	4.0	3.6
55°	61.9	63.7	72.2	88.8	120.6	154.3	156.5	72.7	4.9	3.6	3.6
57.5°	2.7	2.7	3.6	5.4	12.6	18.8	20.2	4.5	3.1	3.6	3.6
60°	2.7	2.7	2.7	2.7	2.7	2.7	3.1	3.1	3.1	3.1	3.6
62.5°	2.2	2.2	2.7	2.7	2.7	2.7	2.7	2.7	3.1	3.1	3.1
65°	2.2	2.2	2.2	2.2	2.2	2.2	2.7	2.7	2.7	2.7	3.1
67.5°	1.8	1.8	1.8	2.2	2.2	2.2	2.2	2.2	2.7	2.7	2.7
70°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.2	2.2	2.2	2.2
72.5°	1.3	1.3	1.3	1.3	1.3	1.8	1.8	1.8	1.8	1.8	2.2
75°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.8	1.8	1.8	1.8
77.5°	0.9	0.9	0.9	0.9	0.9	1.3	1.3	1.3	1.3	1.3	1.3
80°	0.4	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.3	1.3
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.9	0.9	0.9	0.9	0.9
85°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.9
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°	292.4	292.4	292.4	292.4	292.4	292.4	292.4	292.4
2.5°	317.5	313.9	309.9	292.8	276.3	253.8	238.6	234.1
5°	336.8	331.0	322.0	289.7	250.7	206.3	170.4	157.4
7.5°	352.9	344.0	331.4	285.2	220.2	139.9	90.1	76.2
10°	364.6	353.4	337.2	277.1	179.8	77.1	30.5	22.9
12.5°	374.5	359.7	340.4	265.0	131.0	31.4	15.7	15.7
15°	381.2	363.3	341.7	248.0	84.8	16.6	14.8	14.8
17.5°	390.6	367.3	341.7	224.2	46.2	14.4	14.4	14.4
20°	405.9	371.3	336.8	194.2	25.6	13.5	13.9	13.9
22.5°	413.9	377.2	330.5	159.2	16.1	13.0	13.5	13.5
25°	415.7	376.3	317.1	125.6	13.0	12.6	13.0	13.5
27.5°	409.4	370.0	299.1	91.5	11.7	12.1	13.0	13.5
30°	398.2	354.7	270.4	61.9	10.8	12.1	13.0	13.5
32.5°	377.2	318.0	236.8	37.2	10.3	12.1	13.0	13.9
35°	330.1	279.4	198.2	16.1	9.9	12.1	13.5	13.9
37.5°	296.0	240.8	153.4	8.1	9.9	12.1	13.5	14.4
40°	258.3	193.7	70.9	7.2	9.9	12.1	13.5	14.4
42.5°	196.9	89.7	8.5	7.2	9.4	12.1	13.9	14.4
45°	71.8	9.4	4.5	6.7	9.4	12.1	13.9	14.8
47.5°	5.4	3.6	4.0	6.7	9.4	12.1	13.9	14.8
50°	3.6	3.6	4.0	6.7	9.4	12.1	13.9	14.8
52.5°	3.6	4.0	4.0	6.3	9.0	12.1	13.9	14.8
55°	3.6	4.0	4.0	6.3	9.0	11.7	13.9	14.8
57.5°	3.6	3.6	4.0	5.8	8.5	11.2	13.9	14.4
60°	3.6	3.6	4.0	5.4	8.1	10.8	13.0	13.9
62.5°	3.6	3.6	3.6	4.9	7.6	10.3	12.6	13.5
65°	3.1	3.1	3.6	4.5	6.7	9.4	11.7	12.6
67.5°	2.7	3.1	3.1	4.0	6.3	8.5	10.8	11.7
70°	2.7	2.7	2.7	3.6	5.4	7.6	9.9	10.3
72.5°	2.2	2.2	2.7	3.1	4.9	6.7	9.0	9.4
75°	1.8	2.2	2.2	2.7	4.0	5.8	7.6	8.1
77.5°	1.8	1.8	1.8	2.2	3.6	4.9	6.3	6.7
80°	1.3	1.3	1.3	1.8	2.7	4.0	4.9	5.4
82.5°	0.9	1.3	1.3	1.3	2.2	2.7	3.6	4.0
85°	0.9	0.9	0.9	0.9	1.3	1.8	2.2	2.7
87.5°	0.4	0.4	0.9	0.9	0.9	0.9	0.9	1.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)