

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: P1319880

Luminaire Tested: LDSQA3D05R609840DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319880
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: LDSQA3D05R609840DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 4000K CCT AND, 98CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

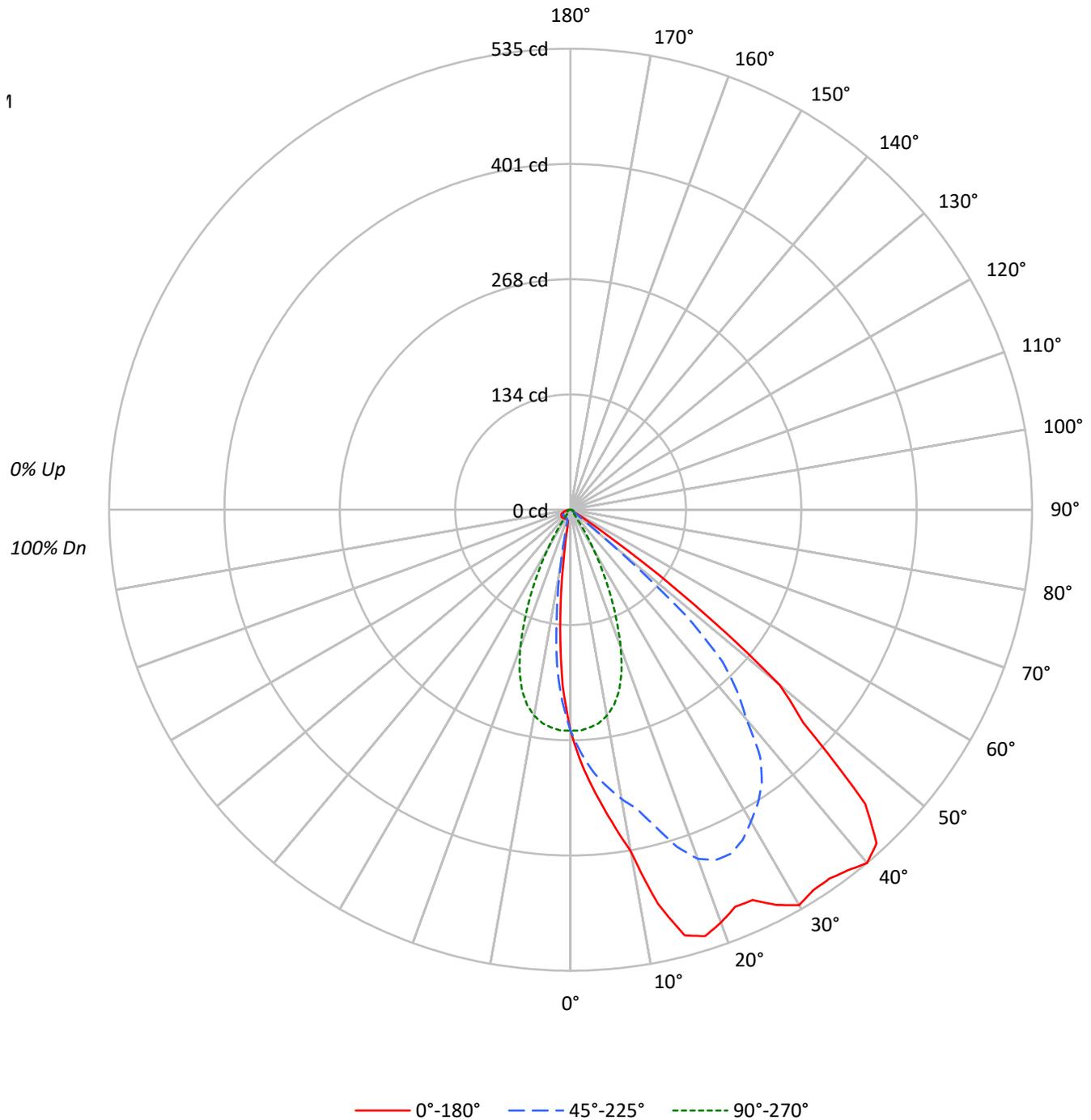
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 416.0 lumens
Efficiency: N/A
Efficacy: 57.8 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 (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				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	100	100	100	100
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90	90	90	90
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	81	81	81	81
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	72	72	72	72
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65	65	65	65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58	58	58	58
6	79	68	61	56	78	67	61	55	66	60	55	64	59	55	63	58	54	52	52	52	52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47	47	47	47
8	70	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43	43	43	43
9	65	54	46	42	64	53	46	41	52	46	41	51	45	41	50	45	41	39	39	39	39
10	61	50	43	38	60	49	43	38	48	42	38	47	42	38	47	41	38	36	36	36	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	44106	44106	44106	44106	44106
5°	56964	52901	43860	31240	23840
10°	70406	59616	42443	11822	3498
15°	91182	67860	38726	2585	2318
20°	93434	79028	31175	2163	2236
25°	94937	83669	20903	2090	2242
30°	105359	83106	10779	2108	2347
35°	109916	81260	2964	2229	2565
40°	120257	71268	1416	2383	2833
45°	117664	60549	1437	2582	3166
50°	84827	14951	1581	2840	3483
55°	16274	931	1651	3063	3903
60°	827	930	1619	3238	4202
65°	815	978	1589	3342	4483
70°	806	1007	1561	3374	4532
75°	799	1065	1597	3394	4724
80°	397	1190	1587	3471	4661
85°	790	790	1581	3162	4742

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 117664 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.3	5.4
10°-20°	61.5	14.8
20°-30°	94.6	22.7
30°-40°	111.0	26.7
40°-50°	89.0	21.4
50°-60°	27.6	6.6
60°-70°	5.2	1.3
70°-80°	3.5	0.8
80°-90°	1.2	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°	178.4	42.9
0°-40°	289.4	69.6
0°-60°	406.1	97.6
0°-90°	416.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	416.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	256	256	256	256	256	
5°	330	306	254	181	138	34
15°	511	381	217	14	13	140
25°	500	440	110	11	12	236
35°	523	386	14	11	12	331
45°	483	249	6	11	13	346
55°	54	3	6	10	13	86
65°	2	2	4	8	11	2
75°	1	2	2	5	7	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°	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1
2.5°	295.4	292.2	292.2	291.0	289.9	290.2	287.1	288.3	285.1	282.8	280.8
5°	329.5	325.6	325.2	323.2	321.3	319.7	315.8	313.4	308.7	306.0	300.1
7.5°	364.9	361.7	359.8	357.4	353.9	349.9	343.3	338.9	331.5	324.0	316.6
10°	402.6	399.8	395.5	392.8	382.9	376.7	367.6	361.7	350.7	340.9	329.5
12.5°	468.6	467.0	458.7	453.2	439.1	426.5	406.9	391.2	371.5	355.4	340.1
15°	511.4	509.4	505.1	500.0	490.9	476.8	459.1	437.1	409.6	380.6	354.7
17.5°	518.8	519.2	516.5	515.3	509.4	500.4	486.2	469.7	442.2	410.0	374.7
20°	509.8	512.9	512.2	514.5	515.7	512.2	502.7	486.6	462.7	431.2	391.6
22.5°	498.8	501.5	500.8	505.1	511.8	515.3	512.2	499.2	474.8	439.9	401.0
25°	499.6	501.5	495.7	498.4	507.0	515.7	516.1	504.7	478.4	440.3	400.2
27.5°	516.9	511.0	497.6	496.4	507.0	518.0	518.8	504.7	473.3	432.0	392.4
30°	529.8	525.5	510.6	508.6	518.8	526.3	522.4	500.4	461.1	417.9	381.0
32.5°	523.5	524.3	518.0	524.3	537.7	540.8	524.3	490.2	444.2	404.1	367.6
35°	522.8	525.9	529.4	539.3	548.3	540.8	514.5	470.9	426.1	386.5	346.8
37.5°	527.5	532.6	537.7	546.3	546.3	527.1	488.6	446.6	404.5	361.3	303.6
40°	534.9	538.1	539.6	538.9	528.3	500.0	459.1	417.1	377.0	317.0	274.9
42.5°	525.1	524.7	523.2	516.5	496.8	459.9	421.8	387.6	324.4	285.9	238.0
45°	483.1	483.1	478.8	468.2	450.1	419.5	385.7	335.8	295.7	248.6	176.7
47.5°	365.7	362.9	367.6	373.9	373.9	371.2	340.5	297.3	256.5	179.5	56.6
50°	316.6	312.2	306.3	307.5	306.7	309.9	290.2	257.6	189.7	55.8	3.9
52.5°	179.1	187.0	206.2	233.3	245.5	249.8	237.6	196.0	64.0	3.5	3.1
55°	54.2	55.8	63.2	77.8	105.7	135.1	137.1	63.6	4.3	3.1	3.1
57.5°	2.4	2.4	3.1	4.7	11.0	16.5	17.7	3.9	2.7	3.1	3.1
60°	2.4	2.4	2.4	2.4	2.4	2.4	2.7	2.7	2.7	2.7	3.1
62.5°	2.0	2.0	2.4	2.4	2.4	2.4	2.4	2.4	2.7	2.7	2.7
65°	2.0	2.0	2.0	2.0	2.0	2.0	2.4	2.4	2.4	2.4	2.7
67.5°	1.6	1.6	1.6	2.0	2.0	2.0	2.0	2.0	2.4	2.4	2.4
70°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.0	2.0	2.0	2.0
72.5°	1.2	1.2	1.2	1.2	1.2	1.6	1.6	1.6	1.6	1.6	2.0
75°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.6	1.6	1.6	1.6
77.5°	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1.2	1.2	1.2
80°	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2
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°	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1
2.5°	278.1	274.9	271.4	256.5	241.9	222.3	208.9	205.0
5°	295.0	289.9	282.0	253.7	219.6	180.7	149.2	137.9
7.5°	309.1	301.2	290.2	249.8	192.8	122.5	78.9	66.8
10°	319.3	309.5	295.4	242.7	157.5	67.6	26.7	20.0
12.5°	328.0	315.0	298.1	232.1	114.7	27.5	13.7	13.7
15°	333.8	318.1	299.3	217.2	74.2	14.5	13.0	13.0
17.5°	342.1	321.7	299.3	196.4	40.5	12.6	12.6	12.6
20°	355.4	325.2	295.0	170.1	22.4	11.8	12.2	12.2
22.5°	362.5	330.3	289.5	139.4	14.1	11.4	11.8	11.8
25°	364.1	329.5	277.7	110.0	11.4	11.0	11.4	11.8
27.5°	358.6	324.0	262.0	80.1	10.2	10.6	11.4	11.8
30°	348.8	310.7	236.8	54.2	9.4	10.6	11.4	11.8
32.5°	330.3	278.5	207.4	32.6	9.0	10.6	11.4	12.2
35°	289.1	244.7	173.6	14.1	8.6	10.6	11.8	12.2
37.5°	259.2	210.9	134.3	7.1	8.6	10.6	11.8	12.6
40°	226.2	169.7	62.1	6.3	8.6	10.6	11.8	12.6
42.5°	172.4	78.6	7.5	6.3	8.2	10.6	12.2	12.6
45°	62.8	8.2	3.9	5.9	8.2	10.6	12.2	13.0
47.5°	4.7	3.1	3.5	5.9	8.2	10.6	12.2	13.0
50°	3.1	3.1	3.5	5.9	8.2	10.6	12.2	13.0
52.5°	3.1	3.5	3.5	5.5	7.9	10.6	12.2	13.0
55°	3.1	3.5	3.5	5.5	7.9	10.2	12.2	13.0
57.5°	3.1	3.1	3.5	5.1	7.5	9.8	12.2	12.6
60°	3.1	3.1	3.5	4.7	7.1	9.4	11.4	12.2
62.5°	3.1	3.1	3.1	4.3	6.7	9.0	11.0	11.8
65°	2.7	2.7	3.1	3.9	5.9	8.2	10.2	11.0
67.5°	2.4	2.7	2.7	3.5	5.5	7.5	9.4	10.2
70°	2.4	2.4	2.4	3.1	4.7	6.7	8.6	9.0
72.5°	2.0	2.0	2.4	2.7	4.3	5.9	7.9	8.2
75°	1.6	2.0	2.0	2.4	3.5	5.1	6.7	7.1
77.5°	1.6	1.6	1.6	2.0	3.1	4.3	5.5	5.9
80°	1.2	1.2	1.2	1.6	2.4	3.5	4.3	4.7
82.5°	0.8	1.2	1.2	1.2	2.0	2.4	3.1	3.5
85°	0.8	0.8	0.8	0.8	1.2	1.6	2.0	2.4
87.5°	0.4	0.4	0.8	0.8	0.8	0.8	0.8	1.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)