

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: P1315367

Luminaire Tested: LDSQA3D05R659735DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315367
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-68)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R659735DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R65 optic, 3500K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

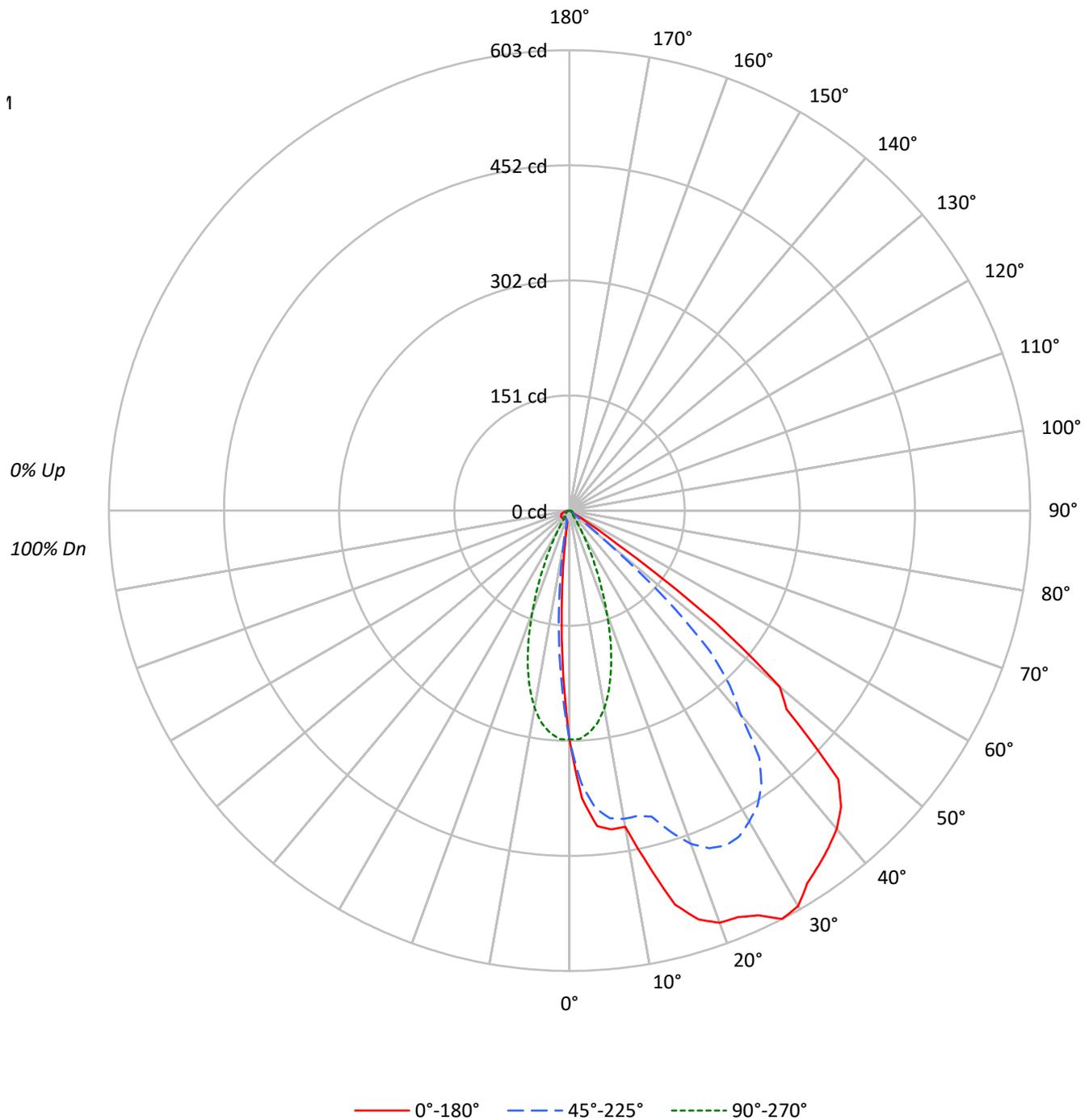
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 449.0 lumens
Efficiency: N/A
Efficacy: 62.4 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.64 / 1.22
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				
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	110	106	104	101	102	100	98	99	97	95	95	94	92	95	94	92	90
2	105	99	94	90	102	97	92	88	94	90	87	91	87	85	88	85	83	88	85	83	81
3	98	90	84	79	96	88	83	78	86	81	77	83	79	75	81	77	74	81	77	74	72
4	91	82	75	70	89	81	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	68	61	56	66	60	55	64	59	55	63	58	54	63	58	54	53
7	74	63	56	50	73	62	55	50	61	54	50	59	54	50	58	53	49	58	53	49	48
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	50	45	41	40
10	62	50	43	38	60	49	43	38	48	42	38	48	42	38	47	42	38	47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	51598	51598	51598	51598	51598
5°	71711	67683	50498	27747	19518
10°	73519	71718	45941	7747	2851
15°	95265	73958	37603	2496	2407
20°	105273	85095	26172	2218	2309
25°	111109	91954	14803	2128	2299
30°	118961	93526	6682	2128	2406
35°	119398	92108	2166	2250	2649
40°	122325	78260	1461	2406	2945
45°	121147	63082	1486	2606	3191
50°	96134	14870	1500	2867	3617
55°	22850	841	1531	3213	4054
60°	792	964	1757	3376	4340
65°	937	937	1712	3627	4768
70°	705	957	1662	3525	4935
75°	599	932	1530	3726	4991
80°	496	893	1884	3670	5058
85°	988	1778	1778	3754	4545

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 10°
 Vertical Angle: 45°
 Luminance: 121366 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.0	5.6
10°-20°	65.8	14.7
20°-30°	103.4	23.0
30°-40°	118.3	26.3
40°-50°	95.1	21.2
50°-60°	30.9	6.9
60°-70°	5.5	1.2
70°-80°	3.6	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°	194.3	43.3
0°-40°	312.6	69.6
0°-60°	438.6	97.7
0°-90°	449.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	449.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	300	300	300	300	300	
5°	415	392	292	160	113	39
15°	534	415	211	14	14	149
25°	585	484	78	11	12	272
35°	568	438	10	11	13	357
45°	497	259	6	11	13	358
55°	76	3	5	11	14	109
65°	2	2	4	9	12	2
75°	1	1	2	6	8	1
85°	0	1	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°	299.6	299.6	299.6	299.6	299.6	299.6	299.6	299.6	299.6	299.6	299.6
2.5°	377.0	375.6	377.5	374.2	373.7	370.5	368.6	367.7	363.5	357.9	352.8
5°	414.8	409.2	410.6	410.1	407.8	406.4	404.5	402.2	396.6	391.5	384.9
7.5°	421.3	416.7	417.6	418.1	416.7	416.2	415.7	414.8	411.1	406.4	400.8
10°	420.4	415.7	415.3	413.9	412.5	412.9	412.9	412.9	412.0	410.1	408.3
12.5°	474.5	468.0	466.6	456.8	447.9	432.5	422.7	413.4	409.2	409.7	408.3
15°	534.3	533.8	529.1	519.8	504.9	490.9	468.5	451.7	430.2	414.8	408.3
17.5°	561.3	560.9	556.7	548.7	538.0	524.9	508.6	489.0	465.2	441.4	421.8
20°	574.4	577.7	573.0	566.5	556.2	544.1	528.7	510.9	488.5	464.3	440.9
22.5°	576.3	580.5	576.3	571.6	564.1	556.2	543.1	524.9	502.1	478.7	455.9
25°	584.7	586.1	577.2	571.1	564.1	558.5	548.3	532.4	509.1	483.9	461.5
27.5°	602.9	596.8	578.1	569.7	563.2	558.1	548.3	531.9	506.7	481.1	457.7
30°	598.2	595.9	579.5	571.6	566.0	560.9	548.7	527.7	497.4	470.3	446.1
32.5°	579.1	583.7	578.1	575.3	572.5	566.0	548.3	519.8	485.7	458.2	425.5
35°	567.9	573.5	573.9	573.9	570.7	560.9	539.9	508.1	474.1	438.1	394.3
37.5°	556.7	561.3	564.1	566.0	561.3	547.3	520.7	492.3	454.9	407.8	330.8
40°	544.1	547.3	549.7	550.6	543.6	525.4	501.1	468.9	426.9	348.1	295.4
42.5°	526.3	528.2	527.7	527.3	519.8	499.7	476.9	443.3	360.2	310.3	246.4
45°	497.4	495.5	498.3	498.3	488.5	473.6	443.3	377.9	322.4	259.0	158.6
47.5°	385.4	386.8	400.3	422.3	435.8	431.6	390.5	330.8	271.1	169.8	52.7
50°	358.8	357.4	357.9	360.2	361.6	350.0	320.6	279.5	179.2	55.5	3.7
52.5°	240.8	242.2	252.9	277.6	285.6	277.2	249.2	186.6	65.3	3.7	3.3
55°	76.1	81.2	87.3	100.3	123.2	137.6	134.8	66.3	4.2	2.8	3.3
57.5°	2.8	2.8	3.7	6.5	12.6	20.5	21.5	4.2	3.3	3.3	3.3
60°	2.3	2.3	2.3	2.3	2.3	2.3	2.8	2.8	2.8	2.8	2.8
62.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.8	2.8	2.8	2.8
65°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.8
67.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.3	2.3	2.3	2.3
70°	1.4	1.4	1.4	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.3
72.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.9	1.9	1.9
75°	0.9	0.9	0.9	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
77.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.4	1.4	1.4
80°	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.4
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.9	0.9	0.9
85°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.9	0.9
87.5°	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5
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):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	299.6	299.6	299.6	299.6	299.6	299.6	299.6	299.6
2.5°	350.0	344.4	333.2	299.6	264.6	229.6	207.6	202.0
5°	377.5	370.9	355.1	292.1	221.2	160.5	126.0	112.9
7.5°	394.3	386.3	367.7	280.4	172.2	93.3	56.0	44.8
10°	401.7	394.7	373.7	262.7	124.6	44.3	19.6	16.3
12.5°	405.0	399.4	376.1	239.4	81.2	19.6	14.5	14.0
15°	406.4	400.3	375.1	210.9	46.2	14.0	13.5	13.5
17.5°	407.8	400.8	369.5	178.2	25.7	13.1	12.6	13.1
20°	419.0	398.9	359.8	142.8	16.8	12.1	12.1	12.6
22.5°	430.2	398.5	342.5	109.2	13.1	11.7	12.1	12.1
25°	433.9	393.8	320.6	77.9	11.2	11.2	11.7	12.1
27.5°	426.9	380.3	291.2	52.7	9.8	11.2	11.7	12.1
30°	410.6	357.4	255.7	33.6	9.3	10.7	11.7	12.1
32.5°	380.3	312.2	216.0	20.1	8.9	10.7	12.1	12.1
35°	319.6	261.8	171.2	10.3	8.9	10.7	12.1	12.6
37.5°	279.5	218.4	119.5	7.0	8.9	10.7	12.1	12.6
40°	231.9	157.7	49.9	6.5	8.9	10.7	12.1	13.1
42.5°	160.5	68.6	7.9	6.1	8.4	10.7	12.6	13.1
45°	57.9	8.9	3.7	6.1	8.4	10.7	12.6	13.1
47.5°	5.1	3.3	3.7	6.1	8.4	10.7	12.6	13.5
50°	3.3	3.3	3.3	5.6	8.4	10.7	12.6	13.5
52.5°	3.3	3.3	3.3	5.6	7.9	10.7	13.1	13.5
55°	3.3	3.3	3.3	5.1	7.9	10.7	12.6	13.5
57.5°	3.3	3.3	3.7	5.1	7.9	10.3	12.6	13.1
60°	3.3	3.3	3.3	5.1	7.5	9.8	12.1	12.6
62.5°	2.8	3.3	3.3	4.7	7.0	9.3	11.7	12.1
65°	2.8	2.8	3.3	4.2	6.5	8.9	10.7	11.7
67.5°	2.3	2.8	2.8	3.7	5.6	7.9	9.8	10.7
70°	2.3	2.3	2.3	3.3	5.1	7.0	9.3	9.8
72.5°	1.9	2.3	2.3	2.8	4.2	6.1	7.9	8.9
75°	1.9	1.9	1.9	2.3	3.7	5.6	7.0	7.5
77.5°	1.4	1.4	1.9	1.9	3.3	4.2	6.1	6.5
80°	1.4	1.4	1.4	1.9	2.3	3.7	4.7	5.1
82.5°	0.9	0.9	0.9	1.4	1.9	2.3	3.3	3.7
85°	0.9	0.9	0.9	0.9	1.4	1.9	2.3	2.3
87.5°	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)