

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: P1315373

Luminaire Tested: LDSQA3D05R709735DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315373
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-70)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R709735DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

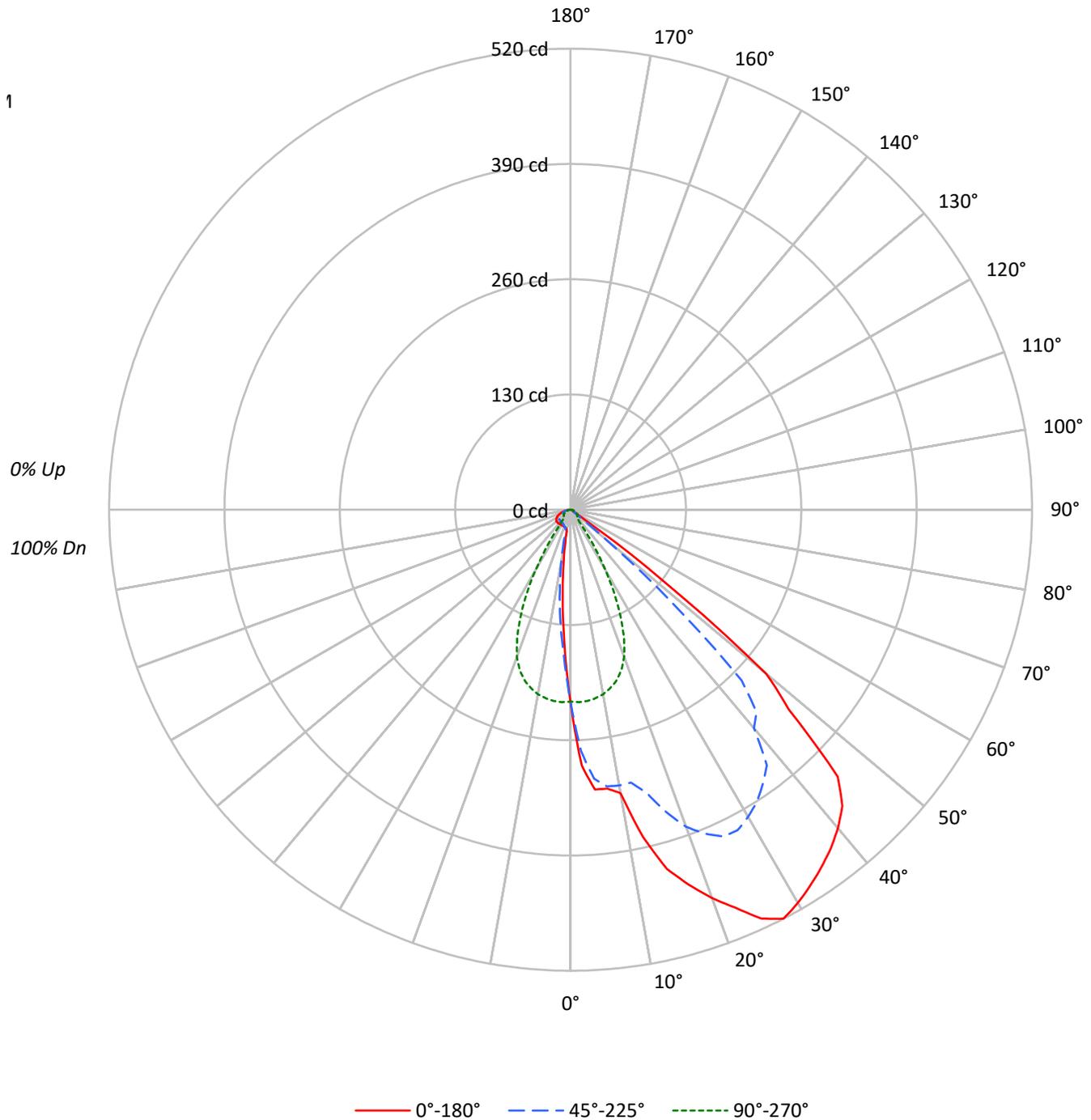
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 411.0 lumens
Efficiency: N/A
Efficacy: 57.1 lumens/watt
Spacing Criteria (0/90/45): 1.69 / 0.89 / 1.39
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	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	87	84	82	80
3	97	89	83	78	95	87	82	77	85	80	76	82	78	74	80	76	73	80	76	73	71
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	73	69	65	64
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	62	59	67	62	59	57
6	79	67	60	54	77	66	59	54	65	58	54	63	58	53	62	57	53	62	57	53	51
7	73	62	54	49	72	61	54	49	60	53	48	58	52	48	57	52	48	57	52	48	46
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43	53	47	43	42
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	44	40	49	44	40	38
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36	45	40	36	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	37269	37269	37269	37269	37269
5°	54751	52642	37411	22336	17496
10°	56766	55209	36952	10685	4320
15°	74760	58874	35588	3833	3744
20°	85388	69736	32385	3684	3757
25°	96686	77284	25426	3553	3725
30°	101839	79566	15770	3520	3997
35°	103546	79410	5193	3637	4226
40°	105373	72235	2518	3889	4609
45°	103708	66346	2606	4092	4993
50°	77084	12244	2626	4501	5493
55°	6155	1681	2792	4774	5885
60°	1274	1757	2721	4822	6097
65°	1345	1712	2649	4768	6276
70°	1158	1662	2568	4482	6093
75°	932	1530	2196	4325	5922
80°	893	1389	2281	4166	5554
85°	988	1778	2766	3754	4545

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 15°
 Vertical Angle: 45°
 Luminance: 104950 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.7	4.8
10°-20°	55.4	13.5
20°-30°	93.0	22.6
30°-40°	111.8	27.2
40°-50°	88.6	21.6
50°-60°	28.4	6.9
60°-70°	7.9	1.9
70°-80°	4.7	1.1
80°-90°	1.5	0.4
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°	168.1	40.9
0°-40°	279.9	68.1
0°-60°	396.9	96.6
0°-90°	411.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	411.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	216	216	216	216	216	
5°	317	304	216	129	101	30
15°	419	330	200	22	21	118
25°	509	407	134	19	20	233
35°	492	378	25	17	20	308
45°	426	272	11	17	20	306
55°	20	6	9	16	20	64
65°	3	4	6	12	15	3
75°	1	2	3	6	9	2
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°	216.4	216.4	216.4	216.4	216.4	216.4	216.4	216.4	216.4	216.4	216.4
2.5°	288.7	290.5	290.5	288.2	289.1	285.4	282.6	278.4	277.5	272.4	265.8
5°	316.7	315.7	315.7	313.9	314.8	313.4	312.0	311.1	308.3	304.5	300.8
7.5°	317.1	318.1	318.5	318.1	319.9	318.5	318.5	318.5	316.7	314.8	311.1
10°	324.6	323.2	321.8	318.5	316.7	315.3	315.3	315.7	316.7	315.7	313.4
12.5°	378.2	373.1	370.8	362.8	356.8	346.5	334.8	326.0	318.1	315.3	313.4
15°	419.3	418.3	413.7	406.2	398.7	386.6	373.1	359.6	345.1	330.2	319.5
17.5°	443.5	441.6	437.0	429.0	420.2	409.0	398.3	388.0	374.0	357.2	340.0
20°	465.9	461.7	455.6	446.3	437.4	426.7	415.1	405.3	393.6	380.5	360.5
22.5°	485.9	482.2	472.4	459.8	451.0	440.7	430.4	421.1	410.4	395.5	377.3
25°	508.8	500.4	484.5	468.2	457.5	449.1	441.6	434.2	423.0	406.7	385.2
27.5°	520.0	508.3	491.1	474.8	464.5	455.6	447.7	440.2	427.7	407.6	382.9
30°	512.1	505.5	493.4	480.8	472.4	464.0	454.7	443.5	423.5	400.1	377.3
32.5°	502.7	499.5	493.9	486.4	481.3	472.9	459.8	441.6	413.7	390.8	366.1
35°	492.5	491.1	489.2	485.9	482.7	474.8	458.4	431.8	403.9	377.7	354.0
37.5°	481.7	480.3	481.7	481.3	478.5	468.2	443.5	418.8	389.9	363.3	317.1
40°	468.7	467.8	470.1	472.4	469.2	455.6	429.0	399.2	373.6	321.3	305.5
42.5°	453.3	452.8	457.0	458.9	454.2	434.2	402.9	381.0	326.9	310.1	272.8
45°	425.8	426.7	428.6	430.9	428.1	406.2	377.7	337.6	313.9	272.4	155.3
47.5°	333.4	334.4	343.7	363.3	376.8	369.4	345.1	315.3	280.7	155.8	49.0
50°	287.7	286.8	287.3	291.9	302.7	312.9	305.5	289.1	167.4	45.7	6.1
52.5°	126.4	140.4	155.3	197.3	224.3	252.8	258.4	180.9	54.6	6.1	6.1
55°	20.5	21.5	27.0	39.6	71.4	107.7	130.6	60.6	5.6	5.6	5.6
57.5°	4.2	4.2	4.2	4.7	7.0	14.9	17.3	5.1	5.1	5.1	5.6
60°	3.7	3.7	3.7	3.7	4.2	4.2	4.2	4.7	4.7	5.1	5.1
62.5°	3.7	3.7	3.7	3.7	3.7	3.7	4.2	4.2	4.7	4.7	5.1
65°	3.3	3.3	3.3	3.3	3.7	3.7	3.7	3.7	4.2	4.2	4.7
67.5°	2.8	2.8	2.8	2.8	3.3	3.3	3.3	3.7	3.7	3.7	4.2
70°	2.3	2.3	2.3	2.3	2.8	2.8	2.8	2.8	3.3	3.3	3.3
72.5°	1.9	1.9	1.9	1.9	2.3	2.3	2.3	2.3	2.8	2.8	2.8
75°	1.4	1.4	1.9	1.9	1.9	1.9	1.9	1.9	2.3	2.3	2.3
77.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.9	1.9	1.9	1.9
80°	0.9	0.9	0.9	0.9	0.9	0.9	1.4	1.4	1.4	1.4	1.4
82.5°	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
85°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.9	0.9	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°	216.4	216.4	216.4	216.4	216.4	216.4	216.4	216.4
2.5°	261.6	255.1	246.2	217.3	190.7	166.5	154.4	153.0
5°	294.7	288.7	273.8	216.4	165.6	129.2	107.3	101.2
7.5°	307.3	302.2	289.1	214.5	141.8	92.8	68.1	58.8
10°	310.6	307.3	296.1	211.3	117.1	61.1	32.2	24.7
12.5°	312.0	309.7	298.9	206.1	92.3	31.7	21.9	21.9
15°	314.3	312.0	301.7	199.6	68.1	21.5	21.0	21.0
17.5°	324.6	317.1	305.5	189.8	44.8	20.5	20.5	20.5
20°	341.4	325.1	307.3	176.7	28.0	20.1	20.1	20.5
22.5°	355.4	333.4	306.9	157.2	20.5	19.1	19.6	20.1
25°	361.4	337.2	302.7	133.8	17.7	18.7	19.6	19.6
27.5°	360.5	338.6	298.9	107.3	16.8	18.2	19.1	20.1
30°	355.4	334.8	290.5	79.3	15.9	17.7	19.1	20.1
32.5°	346.5	320.4	273.8	51.3	15.4	17.7	19.1	20.1
35°	317.6	297.1	249.5	24.7	14.9	17.3	19.6	20.1
37.5°	300.8	272.4	190.3	12.1	14.5	17.3	19.6	20.1
40°	273.8	203.3	85.8	11.2	14.5	17.3	19.6	20.5
42.5°	172.1	83.5	14.0	10.7	14.0	17.3	19.6	20.5
45°	63.0	11.2	7.5	10.7	14.0	16.8	19.6	20.5
47.5°	6.5	6.5	7.0	10.3	13.5	16.8	19.6	20.5
50°	6.1	6.5	7.0	9.8	13.1	16.8	19.1	20.5
52.5°	6.1	6.5	7.0	9.8	12.6	16.3	19.1	20.5
55°	6.1	6.5	6.5	9.3	12.1	15.9	18.7	19.6
57.5°	5.6	6.1	6.5	8.9	11.7	14.9	18.2	19.1
60°	5.6	6.1	6.5	7.9	11.2	14.0	17.3	17.7
62.5°	5.1	5.6	6.1	7.5	10.3	13.1	15.9	16.8
65°	5.1	5.1	5.6	6.5	9.3	11.7	14.5	15.4
67.5°	4.2	4.7	4.7	5.6	7.9	10.3	13.1	14.0
70°	3.7	3.7	4.2	5.1	7.0	8.9	11.2	12.1
72.5°	3.3	3.3	3.3	4.2	6.1	7.9	9.8	10.7
75°	2.8	2.8	2.8	3.3	5.1	6.5	8.4	8.9
77.5°	2.3	2.3	2.3	2.8	4.2	5.6	6.5	7.5
80°	1.9	1.9	1.9	2.3	3.3	4.2	5.1	5.6
82.5°	1.4	1.4	1.4	1.9	2.3	2.8	3.7	3.7
85°	0.9	0.9	0.9	1.4	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)