

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: P1315351

Luminaire Tested: LDSQA3D05R559735DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315351
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-66)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R559735DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

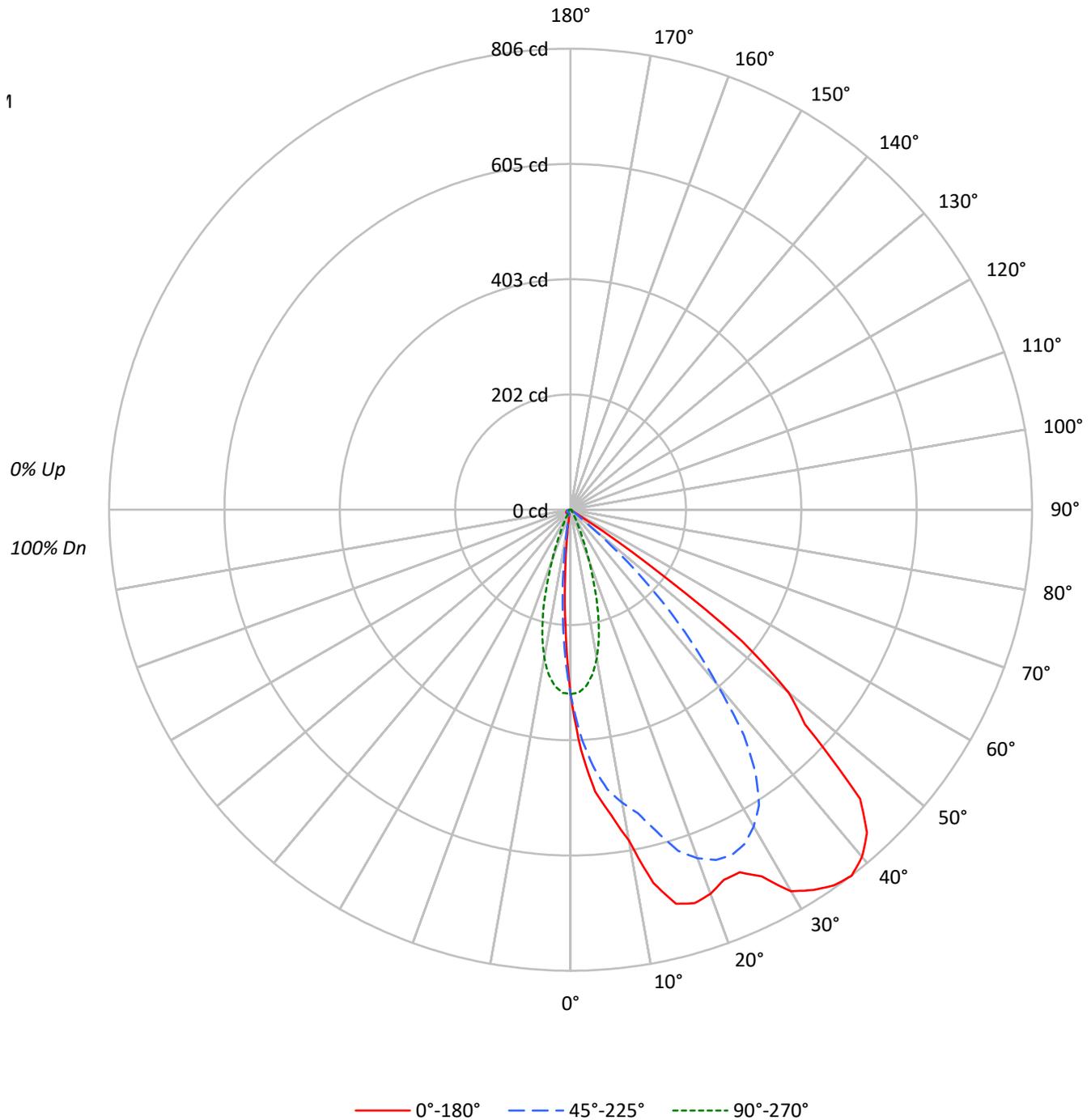
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 537.0 lumens
Efficiency: N/A
Efficacy: 74.6 lumens/watt
Spacing Criteria (0/90/45): 1.79 / 0.55 / 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 (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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83	81
3	98	90	84	79	96	89	83	79	86	81	77	83	79	76	81	78	75	73
4	91	82	75	70	89	81	75	70	79	73	69	77	72	68	75	71	67	65
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59
6	80	69	62	56	78	68	61	56	66	60	56	65	59	55	63	59	55	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48
8	70	58	51	46	68	58	51	46	57	50	46	55	50	46	54	49	45	44
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40
10	62	50	43	39	61	50	43	38	49	43	38	48	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	55438	55438	55438	55438	55438
5°	85489	77814	53541	27505	18066
10°	102707	90955	46098	6925	2781
15°	127162	103876	32932	1908	1498
20°	130969	118836	17008	1283	1283
25°	132867	126577	6822	1159	1330
30°	153146	127175	2963	1213	1392
35°	168574	118578	1282	1282	1577
40°	178080	89254	742	1461	1686
45°	174169	54533	682	1583	2046
50°	133215	11628	750	1876	2385
55°	48882	420	841	2102	2672
60°	482	482	964	2411	3066
65°	571	571	1141	2486	3219
70°	453	705	1158	2820	3777
75°	333	599	1264	3127	4325
80°	496	893	1389	3273	4661
85°	0	988	1778	3754	4545

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 174169 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.3	5.3
10°-20°	81.1	15.1
20°-30°	124.5	23.2
30°-40°	145.1	27.0
40°-50°	115.9	21.6
50°-60°	34.3	6.4
60°-70°	3.7	0.7
70°-80°	2.9	0.5
80°-90°	1.2	0.2
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°	234.0	43.6
0°-40°	379.0	70.6
0°-60°	529.2	98.6
0°-90°	537.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	537.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	322	322	322	322	322	
5°	494	450	310	159	104	49
15°	713	583	185	11	8	197
25°	699	666	36	6	7	332
35°	802	564	6	6	8	499
45°	715	224	3	6	8	516
55°	163	1	3	7	9	172
65°	1	1	3	6	8	1
75°	0	1	2	5	6	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°	321.9	321.9	321.9	321.9	321.9	321.9	321.9	321.9	321.9	321.9	321.9
2.5°	419.8	419.8	418.4	418.9	418.0	412.8	411.9	405.4	399.8	393.7	388.6
5°	494.5	495.4	494.0	491.2	487.5	483.7	475.8	469.7	461.8	450.1	439.4
7.5°	536.9	536.0	533.6	532.7	530.4	526.2	520.6	514.0	504.7	493.1	480.5
10°	587.3	579.3	577.0	573.3	565.8	557.4	547.6	538.8	530.8	520.1	506.6
12.5°	668.4	667.0	657.7	650.7	640.5	621.8	605.0	585.4	562.1	543.4	525.7
15°	713.2	714.2	710.0	704.4	697.8	682.4	665.6	642.8	615.3	582.6	553.7
17.5°	721.2	722.6	720.2	717.9	716.0	707.2	696.9	680.6	655.4	625.1	582.1
20°	714.6	717.4	717.9	720.7	724.4	720.7	712.3	701.1	680.1	648.4	607.3
22.5°	700.2	705.3	709.0	718.8	728.6	728.6	723.5	714.6	694.1	662.8	620.9
25°	699.2	700.2	701.6	717.4	732.8	736.1	731.4	722.1	699.7	666.1	620.4
27.5°	722.6	716.5	707.2	723.0	741.2	744.0	737.5	724.9	698.3	658.6	604.5
30°	770.1	756.6	737.0	748.7	761.3	758.0	744.9	724.9	689.0	639.5	574.7
32.5°	788.3	780.9	773.9	786.5	788.8	775.3	751.9	722.1	674.0	612.5	525.7
35°	801.8	802.3	799.5	801.8	790.7	771.5	745.9	706.7	646.1	564.0	460.9
37.5°	806.5	807.4	801.4	793.0	776.2	754.3	723.5	678.7	599.4	497.2	362.9
40°	792.1	789.3	779.5	767.8	749.6	727.2	693.6	626.9	529.9	397.0	283.1
42.5°	766.4	761.7	750.1	736.1	717.0	688.5	634.9	554.2	430.5	309.7	198.2
45°	715.1	711.8	697.4	687.1	664.2	627.4	558.4	456.7	333.1	223.9	114.7
47.5°	555.6	556.0	567.2	572.3	564.4	535.0	453.9	347.0	243.0	133.4	38.7
50°	497.2	494.9	483.7	468.3	442.7	398.8	333.1	245.4	143.7	43.4	5.6
52.5°	377.4	377.4	371.8	363.8	336.8	294.3	225.3	135.7	50.4	7.5	1.4
55°	162.8	154.4	159.1	167.9	160.9	139.9	105.4	40.6	8.9	1.4	1.4
57.5°	2.3	5.6	8.4	13.5	18.2	21.9	11.7	4.2	1.4	1.4	1.4
60°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
62.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
65°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
67.5°	0.9	0.9	0.9	1.4	0.9	1.4	1.4	1.4	1.4	1.4	1.4
70°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.4	1.4
72.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
75°	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
77.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9
80°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.9	0.9	0.9
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.9	0.9
85°	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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°	321.9	321.9	321.9	321.9	321.9	321.9	321.9	321.9
2.5°	381.1	373.2	360.1	320.5	279.4	241.6	214.6	204.3
5°	427.3	412.8	390.9	309.7	228.1	159.1	119.9	104.5
7.5°	463.7	445.0	413.3	291.1	167.5	84.9	50.8	40.1
10°	487.9	467.4	425.9	263.6	111.0	39.6	19.1	15.9
12.5°	505.6	480.0	430.5	228.1	65.3	18.2	10.3	9.3
15°	518.7	485.6	424.9	184.7	35.9	10.7	8.4	8.4
17.5°	536.9	488.4	411.4	136.2	20.5	7.9	7.9	7.9
20°	550.9	488.4	385.8	92.8	12.6	7.0	7.0	7.0
22.5°	557.9	480.9	354.5	58.8	8.9	6.5	7.0	7.0
25°	550.9	462.7	314.4	35.9	7.0	6.1	6.5	7.0
27.5°	525.2	426.3	260.8	22.9	5.6	6.1	6.5	7.0
30°	482.3	373.6	200.1	14.9	5.1	6.1	6.5	7.0
32.5°	421.7	295.3	129.7	9.8	4.7	6.1	6.5	7.0
35°	329.3	209.0	78.4	6.1	4.7	6.1	7.0	7.5
37.5°	246.8	139.5	42.4	3.7	4.7	6.1	7.0	7.5
40°	171.2	81.2	18.2	3.3	4.7	6.5	7.5	7.5
42.5°	99.4	32.2	4.7	2.8	4.7	6.5	7.5	7.9
45°	36.4	6.5	1.4	2.8	5.1	6.5	7.5	8.4
47.5°	5.1	1.4	1.4	2.8	5.1	6.5	7.9	8.4
50°	1.4	1.4	1.4	2.8	5.1	7.0	8.4	8.9
52.5°	1.4	1.4	1.4	2.8	5.1	7.0	8.4	8.9
55°	1.4	1.4	1.4	2.8	5.1	7.0	8.4	8.9
57.5°	1.4	1.4	1.4	2.8	5.1	7.0	8.4	8.9
60°	1.4	1.4	1.4	2.8	4.7	7.0	8.4	8.9
62.5°	1.4	1.4	1.4	2.8	4.7	6.5	7.9	8.4
65°	1.4	1.4	1.4	2.8	4.2	6.1	7.9	7.9
67.5°	1.4	1.4	1.4	2.3	4.2	6.1	7.5	7.9
70°	1.4	1.4	1.4	2.3	3.7	5.6	7.0	7.5
72.5°	1.4	1.4	1.4	1.9	3.3	5.1	6.5	7.0
75°	0.9	1.4	1.4	1.9	3.3	4.7	6.1	6.5
77.5°	0.9	1.4	1.4	1.4	2.8	3.7	5.1	5.6
80°	0.9	0.9	1.4	1.4	2.3	3.3	4.2	4.7
82.5°	0.9	0.9	0.9	1.4	1.9	2.3	3.3	3.3
85°	0.9	0.9	0.9	0.9	1.4	1.9	2.3	2.3
87.5°	0.5	0.5	0.9	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)