

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: P1318119

Luminaire Tested: LDSQA3D05R559830DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318119
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: LDSQA3D05R559830DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 98CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

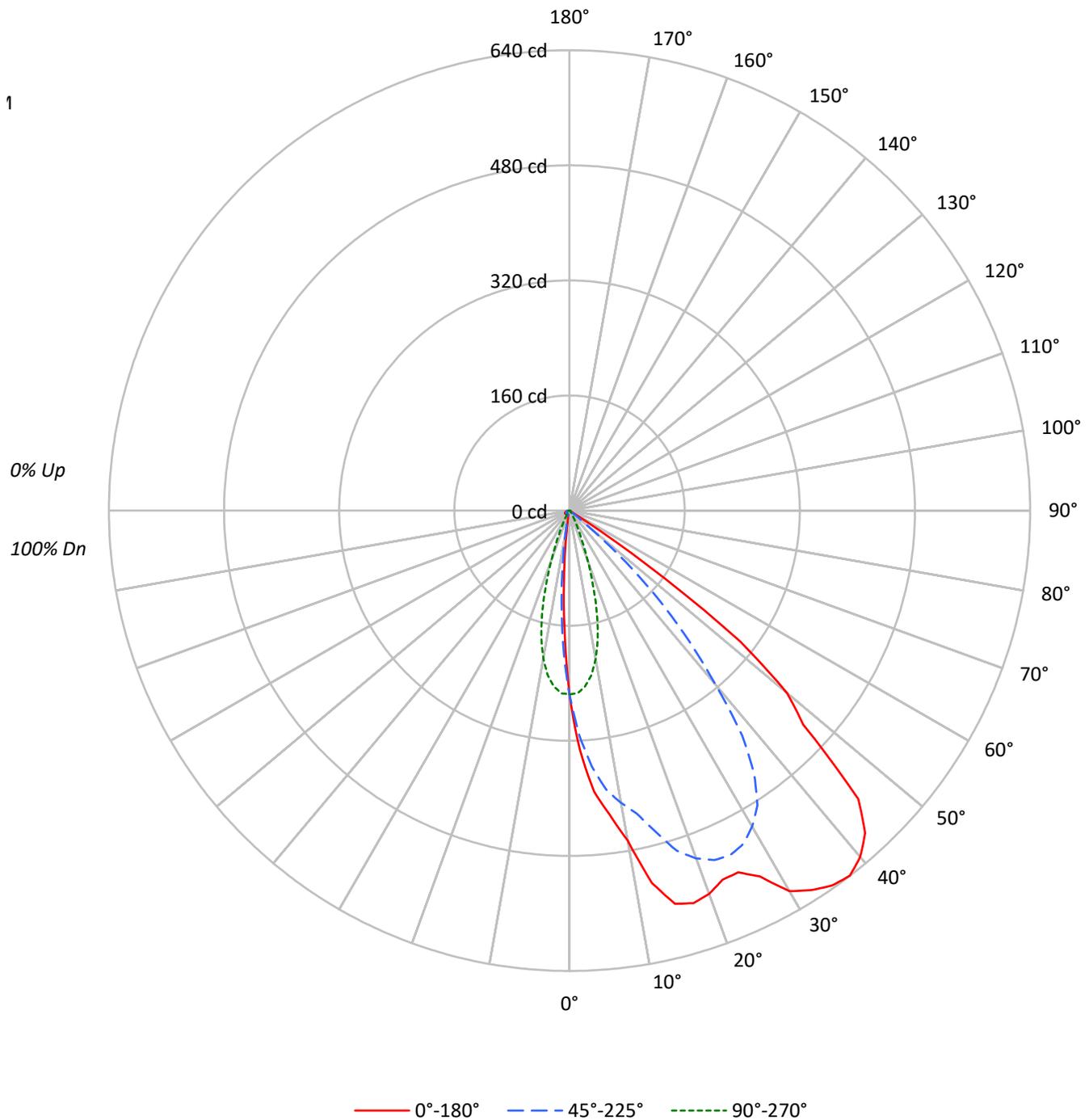
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 426.0 lumens
Efficiency: N/A
Efficacy: 59.2 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

TEST NUMBER: P1318119
CATALOG NUMBER: LDSQA3D05R559830DE010 3LSQCA30R 1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1318119

CATALOG NUMBER: LDSQA3D05R559830DE010 3LSQCA30R 1MW

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	107	104	102	103	100	98	99	97	95	95	94	93	95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83	88	86	83	81
3	98	90	84	79	96	89	83	79	86	81	77	83	79	76	81	78	75	81	78	75	73
4	91	82	75	70	89	81	75	70	79	73	69	77	72	68	75	71	67	75	71	67	65
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	69	64	61	59
6	80	69	62	56	78	68	61	56	66	60	56	65	59	55	63	59	55	63	59	55	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	59	54	50	48
8	70	58	51	46	68	58	51	46	57	50	46	55	50	46	54	49	45	54	49	45	44
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	50	45	41	40
10	62	50	43	39	61	50	43	38	49	43	38	48	42	38	47	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	43968	43968	43968	43968	43968
5°	67804	61736	42477	21818	14332
10°	81476	72155	36567	5509	2203
15°	100881	82409	26121	1516	1195
20°	103899	94277	13489	1026	1026
25°	105408	100410	5416	912	1064
30°	121487	100885	2347	955	1114
35°	133737	94064	1009	1009	1240
40°	141255	70796	585	1169	1326
45°	138171	43256	536	1267	1632
50°	105699	9217	589	1500	1876
55°	38764	330	661	1681	2102
60°	379	379	758	1929	2411
65°	448	448	897	1956	2567
70°	352	554	957	2216	2971
75°	266	466	998	2462	3460
80°	397	694	1091	2579	3670
85°	0	790	1383	2964	3754

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 138171 cd/sqm



TEST NUMBER: P1318119

CATALOG NUMBER: LDSQA3D05R559830DE010 3LSQCA30R 1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.5	5.3
10°-20°	64.4	15.1
20°-30°	98.7	23.2
30°-40°	115.1	27.0
40°-50°	91.9	21.6
50°-60°	27.2	6.4
60°-70°	2.9	0.7
70°-80°	2.3	0.5
80°-90°	1.0	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°	185.6	43.6
0°-40°	300.7	70.6
0°-60°	419.8	98.6
0°-90°	426.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	426.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	255	255	255	255	255	
5°	392	357	246	126	83	39
15°	566	462	146	8	7	156
25°	555	528	28	5	6	263
35°	636	447	5	5	6	396
45°	567	178	2	5	7	409
55°	129	1	2	6	7	137
65°	1	1	2	5	6	1
75°	0	1	2	4	5	1
85°	0	0	1	2	2	0
90°	0	0	0	0	0	



TEST NUMBER: P1318119

CATALOG NUMBER: LDSQA3D05R559830DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	255.3	255.3	255.3	255.3	255.3	255.3	255.3	255.3	255.3	255.3	255.3
2.5°	333.0	333.0	331.9	332.3	331.6	327.5	326.7	321.6	317.1	312.3	308.2
5°	392.2	393.0	391.9	389.7	386.7	383.7	377.4	372.6	366.3	357.1	348.6
7.5°	425.9	425.2	423.3	422.6	420.7	417.4	413.0	407.8	400.4	391.1	381.1
10°	465.9	459.6	457.7	454.8	448.9	442.2	434.4	427.4	421.1	412.6	401.9
12.5°	530.3	529.2	521.8	516.2	508.1	493.3	479.9	464.4	445.9	431.1	417.0
15°	565.8	566.5	563.2	558.8	553.6	541.4	528.1	509.9	488.1	462.2	439.2
17.5°	572.1	573.2	571.3	569.5	568.0	561.0	552.8	539.9	519.9	495.9	461.8
20°	566.9	569.1	569.5	571.7	574.7	571.7	565.1	556.2	539.5	514.4	481.8
22.5°	555.4	559.5	562.5	570.2	578.0	578.0	573.9	566.9	550.6	525.8	492.5
25°	554.7	555.4	556.5	569.1	581.3	583.9	580.2	572.8	555.1	528.4	492.2
27.5°	573.2	568.4	561.0	573.6	588.0	590.2	585.0	575.0	554.0	522.5	479.6
30°	610.9	600.2	584.7	593.9	603.9	601.3	591.0	575.0	546.6	507.3	455.9
32.5°	625.4	619.5	613.9	623.9	625.7	615.0	596.5	572.8	534.7	485.9	417.0
35°	636.1	636.5	634.3	636.1	627.2	612.1	591.7	560.6	512.5	447.4	365.6
37.5°	639.8	640.5	635.7	629.1	615.8	598.4	573.9	538.4	475.5	394.5	287.9
40°	628.3	626.1	618.3	609.1	594.7	576.9	550.3	497.3	420.4	314.9	224.6
42.5°	608.0	604.3	595.0	583.9	568.8	546.2	503.6	439.6	341.5	245.7	157.3
45°	567.3	564.7	553.2	545.1	526.9	497.7	442.9	362.3	264.2	177.6	91.0
47.5°	440.7	441.1	450.0	454.0	447.8	424.4	360.1	275.3	192.8	105.8	30.7
50°	394.5	392.6	383.7	371.5	351.2	316.4	264.2	194.6	114.0	34.4	4.4
52.5°	299.4	299.4	294.9	288.6	267.2	233.5	178.7	107.7	40.0	5.9	1.1
55°	129.1	122.5	126.2	133.2	127.7	111.0	83.6	32.2	7.0	1.1	1.1
57.5°	1.9	4.4	6.7	10.7	14.4	17.4	9.3	3.3	1.1	1.1	1.1
60°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
62.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
65°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
67.5°	0.7	0.7	0.7	1.1	0.7	1.1	1.1	1.1	1.1	1.1	1.1
70°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.1	1.1
72.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
75°	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
77.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7
80°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7	0.7	0.7
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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



TEST NUMBER: P1318119

CATALOG NUMBER: LDSQA3D05R559830DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	255.3	255.3	255.3	255.3	255.3	255.3	255.3	255.3
2.5°	302.3	296.0	285.7	254.2	221.7	191.7	170.2	162.1
5°	339.0	327.5	310.1	245.7	181.0	126.2	95.1	82.9
7.5°	367.8	353.0	327.9	230.9	132.8	67.3	40.3	31.8
10°	387.1	370.8	337.8	209.1	88.1	31.5	15.2	12.6
12.5°	401.1	380.8	341.5	181.0	51.8	14.4	8.1	7.4
15°	411.5	385.2	337.1	146.5	28.5	8.5	6.7	6.7
17.5°	425.9	387.4	326.4	108.1	16.3	6.3	6.3	6.3
20°	437.0	387.4	306.0	73.6	10.0	5.6	5.6	5.6
22.5°	442.6	381.5	281.2	46.6	7.0	5.2	5.6	5.6
25°	437.0	367.1	249.4	28.5	5.6	4.8	5.2	5.6
27.5°	416.7	338.2	206.9	18.1	4.4	4.8	5.2	5.6
30°	382.6	296.4	158.7	11.8	4.1	4.8	5.2	5.6
32.5°	334.5	234.2	102.9	7.8	3.7	4.8	5.2	5.6
35°	261.3	165.8	62.2	4.8	3.7	4.8	5.6	5.9
37.5°	195.8	110.6	33.7	3.0	3.7	4.8	5.6	5.9
40°	135.8	64.4	14.4	2.6	3.7	5.2	5.9	5.9
42.5°	78.8	25.5	3.7	2.2	3.7	5.2	5.9	6.3
45°	28.9	5.2	1.1	2.2	4.1	5.2	5.9	6.7
47.5°	4.1	1.1	1.1	2.2	4.1	5.2	6.3	6.7
50°	1.1	1.1	1.1	2.2	4.1	5.6	6.7	7.0
52.5°	1.1	1.1	1.1	2.2	4.1	5.6	6.7	7.0
55°	1.1	1.1	1.1	2.2	4.1	5.6	6.7	7.0
57.5°	1.1	1.1	1.1	2.2	4.1	5.6	6.7	7.0
60°	1.1	1.1	1.1	2.2	3.7	5.6	6.7	7.0
62.5°	1.1	1.1	1.1	2.2	3.7	5.2	6.3	6.7
65°	1.1	1.1	1.1	2.2	3.3	4.8	6.3	6.3
67.5°	1.1	1.1	1.1	1.9	3.3	4.8	5.9	6.3
70°	1.1	1.1	1.1	1.9	3.0	4.4	5.6	5.9
72.5°	1.1	1.1	1.1	1.5	2.6	4.1	5.2	5.6
75°	0.7	1.1	1.1	1.5	2.6	3.7	4.8	5.2
77.5°	0.7	1.1	1.1	1.1	2.2	3.0	4.1	4.4
80°	0.7	0.7	1.1	1.1	1.9	2.6	3.3	3.7
82.5°	0.7	0.7	0.7	1.1	1.5	1.9	2.6	2.6
85°	0.7	0.7	0.7	0.7	1.1	1.5	1.9	1.9
87.5°	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)