

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: P1319887

Luminaire Tested: LDSQA3D05R659840DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319887
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: LDSQA3D05R659840DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R65 optic, 4000K CCT AND, 98CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

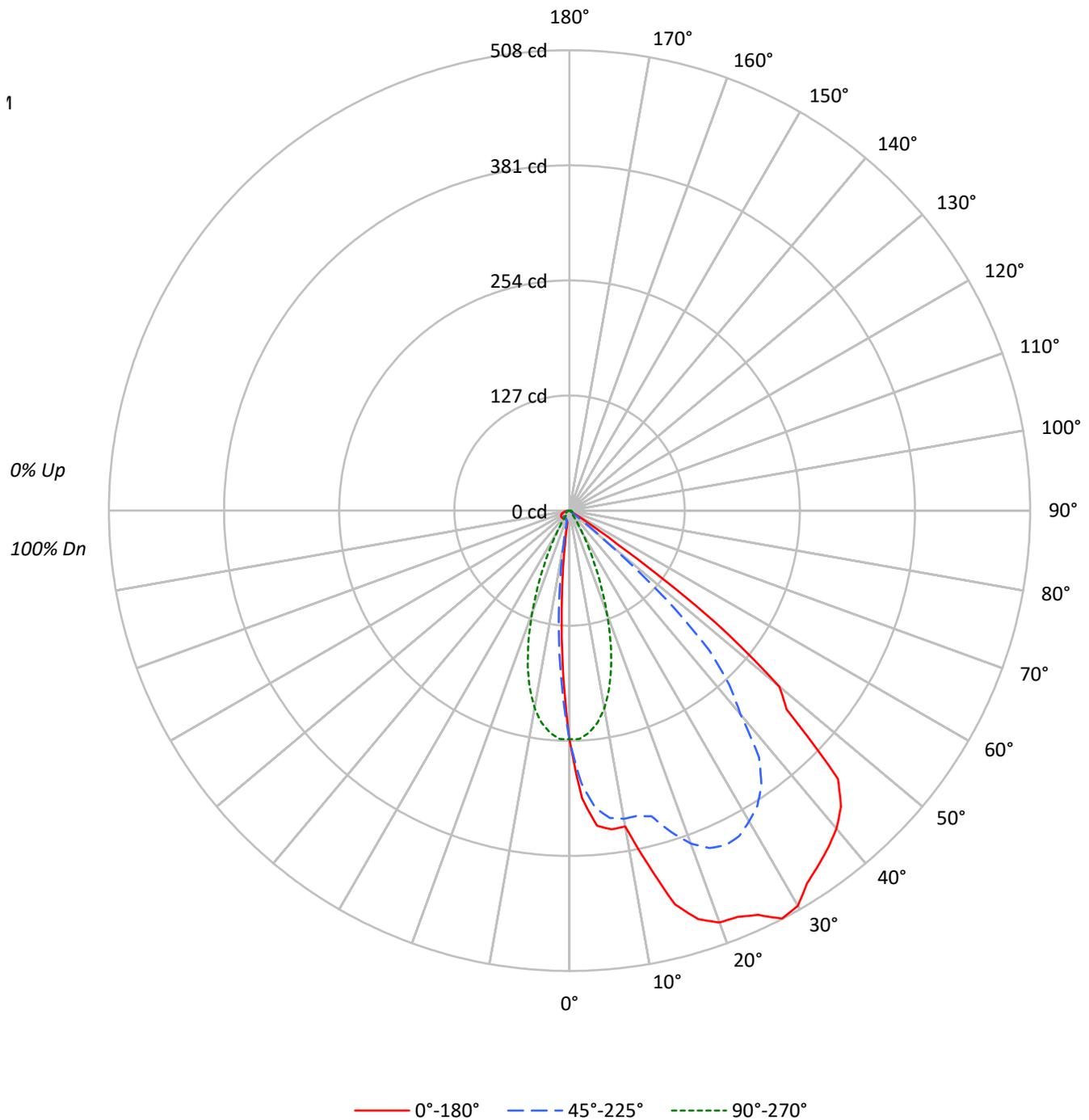
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 378.0 lumens
Efficiency: N/A
Efficacy: 52.5 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

TEST NUMBER: P1319887
CATALOG NUMBER: LDSQA3D05R659840DE010 3LSQCA30R 1MW

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	
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100	
1	112	109	106	103	109	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°	43435	43435	43435	43435	43435
5°	60370	56981	42511	23356	16441
10°	61890	60386	38683	6523	2396
15°	80198	62262	31666	2104	2033
20°	88632	71642	22030	1869	1943
25°	93531	77417	12466	1786	1938
30°	100149	78751	5628	1790	2028
35°	100518	77559	1808	1892	2229
40°	102968	65872	1237	2023	2473
45°	101978	53096	1242	2192	2679
50°	80942	12512	1259	2411	3054
55°	19217	721	1291	2702	3423
60°	689	827	1481	2824	3651
65°	815	815	1426	3056	3994
70°	604	806	1360	2971	4129
75°	532	799	1331	3127	4192
80°	397	793	1587	3075	4265
85°	790	1581	1581	3162	3952

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 10°
 Vertical Angle: 45°
 Luminance: 102173 cd/sqm



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CATALOG NUMBER: LDSQA3D05R659840DE010 3LSQCA30R 1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.0	5.6
10°-20°	55.4	14.7
20°-30°	87.1	23.0
30°-40°	99.6	26.3
40°-50°	80.1	21.2
50°-60°	26.0	6.9
60°-70°	4.6	1.2
70°-80°	3.1	0.8
80°-90°	1.1	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°	163.5	43.3
0°-40°	263.1	69.6
0°-60°	369.2	97.7
0°-90°	378.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	378.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	252	252	252	252	252	
5°	349	330	246	135	95	33
15°	450	349	178	12	11	125
25°	492	407	66	9	10	229
35°	478	369	9	9	11	300
45°	419	218	5	9	11	301
55°	64	2	4	9	11	92
65°	2	2	4	8	10	2
75°	1	1	2	5	6	1
85°	0	1	1	2	2	0
90°	0	0	0	0	0	



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CATALOG NUMBER: LDSQA3D05R659840DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	252.2	252.2	252.2	252.2	252.2	252.2	252.2	252.2	252.2	252.2	252.2
2.5°	317.4	316.2	317.8	315.0	314.6	311.9	310.3	309.5	306.0	301.3	297.0
5°	349.2	344.5	345.7	345.3	343.3	342.1	340.6	338.6	333.9	329.6	324.1
7.5°	354.7	350.8	351.6	352.0	350.8	350.4	350.0	349.2	346.1	342.1	337.4
10°	353.9	350.0	349.6	348.4	347.3	347.6	347.6	347.6	346.9	345.3	343.7
12.5°	399.5	394.0	392.8	384.6	377.1	364.1	355.9	348.0	344.5	344.9	343.7
15°	449.8	449.4	445.5	437.6	425.0	413.2	394.4	380.2	362.2	349.2	343.7
17.5°	472.6	472.2	468.6	462.0	452.9	441.9	428.2	411.7	391.6	371.6	355.1
20°	483.6	486.3	482.4	476.9	468.2	458.0	445.1	430.1	411.3	390.9	371.2
22.5°	485.1	488.7	485.1	481.2	474.9	468.2	457.2	441.9	422.7	403.0	383.8
25°	492.2	493.4	485.9	480.8	474.9	470.2	461.6	448.2	428.6	407.4	388.5
27.5°	507.5	502.4	486.7	479.6	474.1	469.8	461.6	447.8	426.6	405.0	385.4
30°	503.6	501.6	487.9	481.2	476.5	472.2	462.0	444.3	418.7	396.0	375.5
32.5°	487.5	491.4	486.7	484.3	482.0	476.5	461.6	437.6	408.9	385.7	358.3
35°	478.1	482.8	483.2	483.2	480.4	472.2	454.5	427.8	399.1	368.9	331.9
37.5°	468.6	472.6	474.9	476.5	472.6	460.8	438.4	414.4	383.0	343.3	278.5
40°	458.0	460.8	462.7	463.5	457.6	442.3	421.9	394.8	359.4	293.0	248.7
42.5°	443.1	444.7	444.3	443.9	437.6	420.7	401.5	373.2	303.3	261.2	207.4
45°	418.7	417.2	419.5	419.5	411.3	398.7	373.2	318.2	271.4	218.0	133.6
47.5°	324.5	325.6	337.0	355.5	366.9	363.4	328.8	278.5	228.2	143.0	44.4
50°	302.1	300.9	301.3	303.3	304.4	294.6	269.9	235.3	150.8	46.7	3.1
52.5°	202.7	203.9	212.9	233.7	240.4	233.3	209.8	157.1	55.0	3.1	2.7
55°	64.0	68.4	73.5	84.5	103.7	115.9	113.5	55.8	3.5	2.4	2.7
57.5°	2.4	2.4	3.1	5.5	10.6	17.3	18.1	3.5	2.7	2.7	2.7
60°	2.0	2.0	2.0	2.0	2.0	2.0	2.4	2.4	2.4	2.4	2.4
62.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.4	2.4	2.4	2.4
65°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.4
67.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.0	2.0	2.0	2.0
70°	1.2	1.2	1.2	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.0
72.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.6	1.6	1.6
75°	0.8	0.8	0.8	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
77.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2
80°	0.4	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	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	0.8	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



TEST NUMBER: P1319887

CATALOG NUMBER: LDSQA3D05R659840DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	252.2	252.2	252.2	252.2	252.2	252.2	252.2	252.2
2.5°	294.6	289.9	280.5	252.2	222.7	193.3	174.8	170.1
5°	317.8	312.3	298.9	245.9	186.2	135.1	106.1	95.1
7.5°	331.9	325.3	309.5	236.1	145.0	78.6	47.1	37.7
10°	338.2	332.3	314.6	221.2	104.9	37.3	16.5	13.7
12.5°	341.0	336.3	316.6	201.5	68.4	16.5	12.2	11.8
15°	342.1	337.0	315.8	177.6	38.9	11.8	11.4	11.4
17.5°	343.3	337.4	311.1	150.1	21.6	11.0	10.6	11.0
20°	352.8	335.9	302.9	120.2	14.1	10.2	10.2	10.6
22.5°	362.2	335.5	288.3	91.9	11.0	9.8	10.2	10.2
25°	365.3	331.5	269.9	65.6	9.4	9.4	9.8	10.2
27.5°	359.4	320.1	245.1	44.4	8.2	9.4	9.8	10.2
30°	345.7	300.9	215.3	28.3	7.9	9.0	9.8	10.2
32.5°	320.1	262.8	181.9	16.9	7.5	9.0	10.2	10.2
35°	269.1	220.4	144.2	8.6	7.5	9.0	10.2	10.6
37.5°	235.3	183.8	100.6	5.9	7.5	9.0	10.2	10.6
40°	195.2	132.8	42.0	5.5	7.5	9.0	10.2	11.0
42.5°	135.1	57.7	6.7	5.1	7.1	9.0	10.6	11.0
45°	48.7	7.5	3.1	5.1	7.1	9.0	10.6	11.0
47.5°	4.3	2.7	3.1	5.1	7.1	9.0	10.6	11.4
50°	2.7	2.7	2.7	4.7	7.1	9.0	10.6	11.4
52.5°	2.7	2.7	2.7	4.7	6.7	9.0	11.0	11.4
55°	2.7	2.7	2.7	4.3	6.7	9.0	10.6	11.4
57.5°	2.7	2.7	3.1	4.3	6.7	8.6	10.6	11.0
60°	2.7	2.7	2.7	4.3	6.3	8.2	10.2	10.6
62.5°	2.4	2.7	2.7	3.9	5.9	7.9	9.8	10.2
65°	2.4	2.4	2.7	3.5	5.5	7.5	9.0	9.8
67.5°	2.0	2.4	2.4	3.1	4.7	6.7	8.2	9.0
70°	2.0	2.0	2.0	2.7	4.3	5.9	7.9	8.2
72.5°	1.6	2.0	2.0	2.4	3.5	5.1	6.7	7.5
75°	1.6	1.6	1.6	2.0	3.1	4.7	5.9	6.3
77.5°	1.2	1.2	1.6	1.6	2.7	3.5	5.1	5.5
80°	1.2	1.2	1.2	1.6	2.0	3.1	3.9	4.3
82.5°	0.8	0.8	0.8	1.2	1.6	2.0	2.7	3.1
85°	0.8	0.8	0.8	0.8	1.2	1.6	2.0	2.0
87.5°	0.4	0.4	0.4	0.8	0.8	0.8	0.8	0.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)