

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: P1323665

Luminaire Tested: LDSQA3D05R559030D2WDE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323665
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-54)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R559030D2WDE010 3LSQCA30R 1MB
Description: 3in Adjustable Dim to Warm LED luminaire with, R55 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

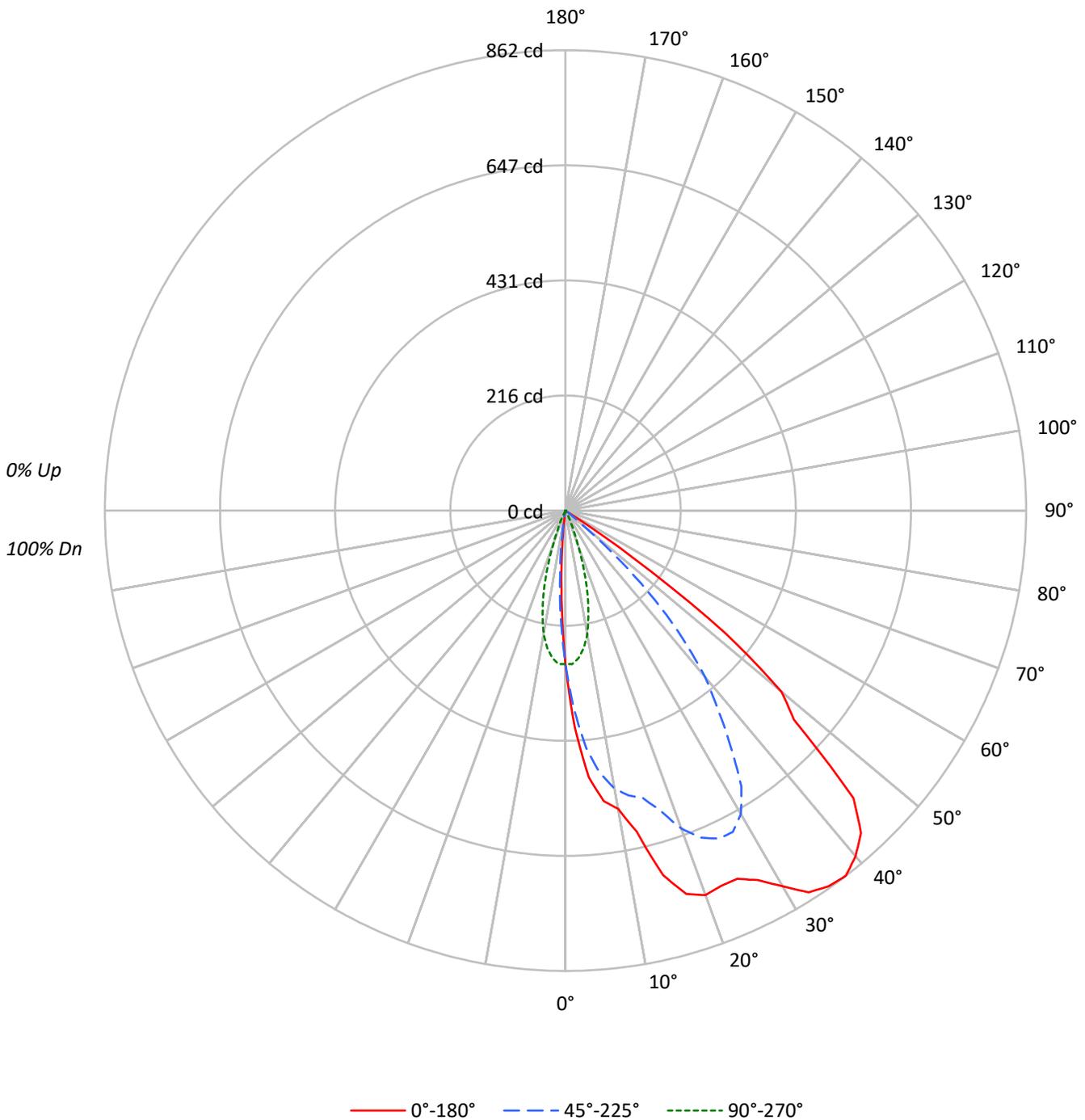
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 531.0 lumens
Efficiency: N/A
Efficacy: 47.8 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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: P1323665
CATALOG NUMBER: LDSQA3D05R559030D2WDE010 3LSQCA30R 1MB

Luminous Intensity Polar Plot





TEST NUMBER: P1323665

CATALOG NUMBER: LDSQA3D05R559030D2WDE010 3LSQCA30R 1MB

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	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91
2	105	99	95	90	103	98	93	89	94	91	87	91	88	86	88	86	84	82
3	98	90	84	80	96	89	83	79	86	82	78	84	80	76	81	78	75	73
4	92	82	76	71	90	81	75	70	79	74	69	77	72	68	75	71	68	66
5	86	75	68	63	84	74	68	63	72	67	62	71	65	61	69	64	61	59
6	80	69	62	56	78	68	61	56	66	60	56	65	60	55	64	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	56	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	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	49411	49411	49411	49411	49411
5°	86613	77208	47957	19933	11479
10°	99139	92406	41009	2186	787
15°	125985	99205	28118	446	267
20°	140389	116050	12353	0	0
25°	144515	128781	3515	0	0
30°	161459	130496	497	0	0
35°	180453	113301	0	0	0
40°	189816	91210	0	0	0
45°	185592	57602	0	0	0
50°	141334	11762	0	0	0
55°	46300	0	0	0	0
60°	0	0	0	0	0
65°	0	204	204	0	0
70°	0	252	252	0	0
75°	0	333	333	0	0
80°	0	496	992	496	0
85°	0	988	988	988	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 185592 cd/sqm



TEST NUMBER: P1323665

CATALOG NUMBER: LDSQA3D05R559030D2WDE010 3LSQCA30R 1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.2	4.9
10°-20°	76.8	14.5
20°-30°	124.9	23.5
30°-40°	148.5	28.0
40°-50°	121.4	22.9
50°-60°	32.2	6.1
60°-70°	0.2	0.0
70°-80°	0.3	0.1
80°-90°	0.4	0.1
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°	228.0	42.9
0°-40°	376.5	70.9
0°-60°	530.1	99.8
0°-90°	531.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	531.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	287	287	287	287	287	
5°	501	447	277	115	66	49
15°	707	556	158	2	2	198
25°	760	678	18	0	0	358
35°	858	539	0	0	0	534
45°	762	236	0	0	0	547
55°	154	0	0	0	0	173
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P1323665

CATALOG NUMBER: LDSQA3D05R559030D2WDE010 3LSQCA30R 1MB

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	286.9	286.9	286.9	286.9	286.9	286.9	286.9	286.9	286.9	286.9	286.9
2.5°	407.2	404.2	404.7	403.2	404.7	398.2	391.2	384.7	379.7	372.8	330.3
5°	501.0	496.0	494.5	492.5	490.5	482.5	476.1	468.1	458.6	446.6	368.8
7.5°	548.4	544.4	542.4	543.4	538.9	535.9	527.5	518.5	508.5	495.5	397.7
10°	566.9	562.9	562.4	561.9	561.4	559.4	555.4	547.4	538.4	528.4	414.2
12.5°	615.3	606.3	600.3	593.3	584.8	573.9	564.9	557.9	554.4	546.4	421.7
15°	706.6	698.1	691.6	682.6	666.7	643.2	621.8	594.3	570.4	556.4	418.7
17.5°	752.5	748.5	743.0	737.0	726.1	709.1	687.1	658.2	627.8	588.3	404.2
20°	766.0	764.0	760.0	757.5	750.0	738.0	723.1	700.6	672.2	633.2	381.7
22.5°	760.5	762.0	764.0	770.5	771.5	763.0	749.0	727.6	698.6	662.7	347.3
25°	760.5	759.5	759.5	773.0	781.4	777.5	767.5	748.0	718.6	677.7	304.9
27.5°	779.9	774.0	761.5	775.5	789.4	787.9	779.0	756.0	723.1	678.2	253.0
30°	811.9	798.9	778.5	791.4	804.4	798.9	784.4	755.0	713.1	656.2	189.6
32.5°	847.3	841.3	830.8	839.3	837.3	815.4	789.4	748.5	692.6	612.3	127.7
35°	858.3	859.3	852.3	850.8	839.3	816.9	789.4	730.0	649.7	538.9	75.8
37.5°	861.8	862.3	851.3	837.3	820.4	793.9	761.0	692.1	570.4	468.1	40.4
40°	844.3	843.8	825.9	808.9	789.9	764.0	716.1	612.3	495.0	405.7	14.5
42.5°	818.4	811.9	794.9	774.0	751.0	718.6	643.7	517.0	430.1	324.9	1.0
45°	762.0	756.0	742.5	720.1	694.6	648.7	530.4	444.1	349.8	236.5	0.0
47.5°	579.3	576.4	590.3	593.3	592.8	540.4	442.6	362.3	257.0	137.7	0.0
50°	527.5	523.5	509.5	491.5	459.6	415.7	354.8	268.5	150.7	43.9	0.0
52.5°	378.7	391.7	394.7	381.2	351.3	307.9	244.5	154.7	52.4	0.0	0.0
55°	154.2	146.2	152.2	159.7	165.7	152.2	112.8	54.9	0.5	0.0	0.0
57.5°	0.0	0.5	3.0	7.0	11.5	14.5	15.5	1.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.5	0.5	0.5
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	1.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



TEST NUMBER: P1323665

CATALOG NUMBER: LDSQA3D05R559030D2WDE010 3LSQCA30R 1MB

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	286.9	286.9	286.9	286.9	286.9
2.5°	287.9	243.5	200.6	177.1	165.7
5°	277.4	186.1	115.3	79.8	66.4
7.5°	260.0	127.7	45.9	19.0	13.5
10°	234.5	73.4	12.5	5.0	4.5
12.5°	198.1	33.4	4.5	3.5	3.5
15°	157.7	11.5	2.5	2.0	1.5
17.5°	110.8	3.0	1.0	0.0	0.0
20°	67.4	0.5	0.0	0.0	0.0
22.5°	37.4	0.0	0.0	0.0	0.0
25°	18.5	0.0	0.0	0.0	0.0
27.5°	8.0	0.0	0.0	0.0	0.0
30°	2.5	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.5	0.0	0.0	0.0	0.0
65°	0.5	0.5	0.0	0.0	0.0
67.5°	0.5	0.5	0.0	0.0	0.0
70°	0.5	0.5	0.0	0.0	0.0
72.5°	0.5	0.5	0.0	0.0	0.0
75°	0.5	0.5	0.0	0.0	0.0
77.5°	1.0	0.5	0.5	0.0	0.0
80°	1.0	0.5	0.5	0.0	0.0
82.5°	1.0	0.5	0.5	0.0	0.0
85°	0.5	0.5	0.5	0.0	0.0
87.5°	1.0	0.5	0.5	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)