

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: P1308958

Luminaire Tested: LDSQA3D05R459030DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

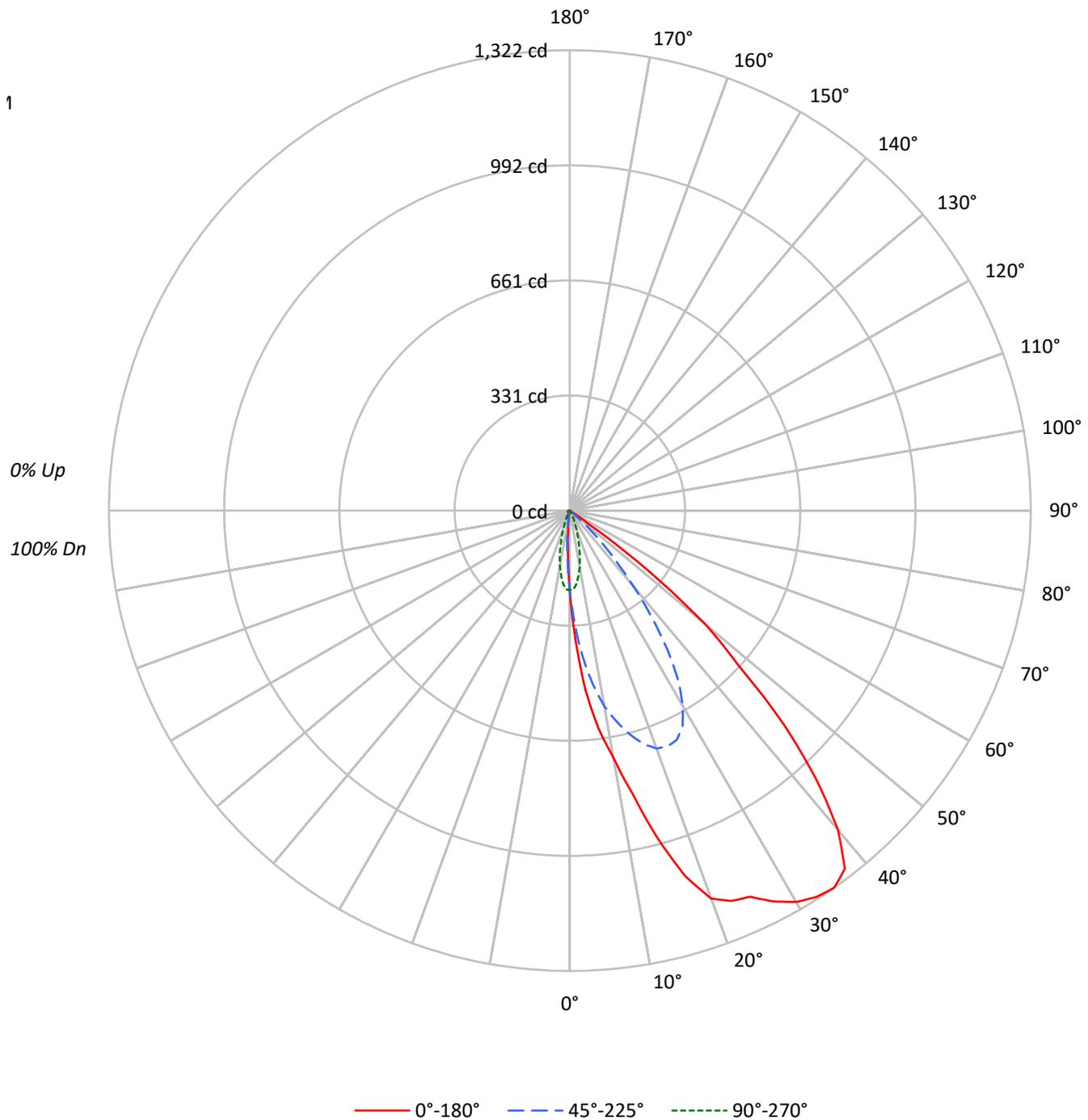
Test Method: LM-79-2019  
Report Number: P1308958  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-69)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R459030DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R45 optic, 3000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 599.0 lumens  
Efficiency: N/A  
Efficacy: 83.2 lumens/watt  
Spacing Criteria (0/90/45): 2.13 / 0.47 / 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<sub>in</sub>): 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: P1308958  
CATALOG NUMBER: LDSQA3D05R459030DE010 3LSQCA30R 1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P1308958

CATALOG NUMBER: LDSQA3D05R459030DE010 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	100	100	100	100
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91	91	91	91
2	105	100	95	91	103	98	93	90	95	91	88	91	88	86	89	86	84	82	82	82	82
3	99	91	85	80	96	89	84	80	87	82	78	84	80	77	82	79	76	74	74	74	74
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	76	72	68	67	67	67	67
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	60	60	60	60
6	81	70	63	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54	54	54	54
7	75	64	57	52	74	63	57	52	62	56	51	61	55	51	60	55	51	49	49	49	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45	45	45	45
9	66	55	48	43	65	54	47	43	53	47	43	52	47	43	51	46	42	41	41	41	41
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37	37	37	37

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°	135°	180°
0°	39250	39250	39250	39250	39250
5°	89466	72575	36720	14729	10044
10°	126071	99699	28383	3235	1486
15°	173716	118622	18133	1070	891
20°	217218	133223	9457	733	733
25°	232460	137940	4371	570	665
30°	258028	128805	1989	597	696
35°	277944	102684	631	631	841
40°	268953	63624	337	787	1012
45°	211191	30007	365	974	1218
50°	135707	3483	536	1206	1608
55°	20598	300	601	1501	1952
60°	344	344	689	1722	2067
65°	408	408	815	1834	2445
70°	504	504	1007	2014	2769
75°	333	665	1331	2329	2994
80°	496	992	1488	2479	3471
85°	0	988	1976	2964	2964

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 211191 cd/sqm



TEST NUMBER: P1308958

CATALOG NUMBER: LDSQA3D05R459030DE010 3LSQCA30R 1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	24.9	4.2
10°-20°	90.2	15.1
20°-30°	158.4	26.5
30°-40°	179.9	30.0
40°-50°	116.5	19.4
50°-60°	22.9	3.8
60°-70°	2.8	0.5
70°-80°	2.3	0.4
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°	273.6	45.7
0°-40°	453.5	75.7
0°-60°	592.8	99.0
0°-90°	599.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	599.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	228	228	228	228	228	
5°	518	420	212	85	58	55
15°	974	665	102	6	5	281
25°	1223	726	23	3	4	573
35°	1322	488	3	3	4	813
45°	867	123	2	4	5	654
55°	69	1	2	5	6	131
65°	1	1	2	4	6	1
75°	0	1	2	4	4	1
85°	0	0	1	2	2	0
90°	0	0	0	0	0	



TEST NUMBER: P1308958

CATALOG NUMBER: LDSQA3D05R459030DE010 3LSQCA30R 1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	227.9	227.9	227.9	227.9	227.9	227.9	227.9	227.9	227.9	227.9	227.9
2.5°	370.2	369.2	370.7	360.7	360.2	352.7	350.7	342.1	330.6	325.1	312.1
5°	517.5	512.5	512.5	500.4	496.4	487.9	473.4	455.4	440.3	419.8	397.8
7.5°	631.2	630.2	630.2	619.7	609.7	597.6	578.1	557.6	533.5	502.0	469.9
10°	720.9	722.4	717.9	708.3	693.8	680.8	657.7	632.7	603.1	570.1	527.5
12.5°	834.1	823.1	819.6	798.0	779.5	754.4	726.9	698.3	661.8	620.2	572.1
15°	974.3	960.3	946.3	917.7	886.7	848.1	805.0	762.9	715.9	665.3	605.1
17.5°	1099.6	1099.6	1081.0	1036.0	995.9	938.8	880.7	824.6	769.0	702.3	627.2
20°	1185.2	1180.7	1166.7	1133.6	1088.1	1023.4	947.8	869.1	802.0	726.9	639.7
22.5°	1213.3	1212.3	1212.8	1193.3	1156.7	1089.6	996.9	904.2	820.1	732.9	633.7
25°	1223.3	1225.3	1230.3	1222.8	1195.3	1128.1	1026.9	920.7	825.6	725.9	610.7
27.5°	1264.9	1260.9	1266.4	1261.4	1230.3	1150.2	1033.0	916.7	813.5	700.3	569.6
30°	1297.5	1296.5	1306.0	1301.5	1260.9	1164.2	1027.4	901.7	784.0	647.7	505.0
32.5°	1316.0	1316.5	1319.0	1300.5	1240.3	1133.6	1000.4	871.1	728.4	579.1	420.8
35°	1322.0	1319.0	1305.0	1259.4	1177.2	1063.0	933.8	798.5	652.7	488.4	332.6
37.5°	1296.0	1280.4	1244.4	1176.2	1081.0	974.3	848.6	706.8	549.0	385.7	248.0
40°	1196.3	1175.7	1130.1	1060.5	971.8	868.6	739.9	591.6	425.8	283.0	174.3
42.5°	1047.0	1036.5	988.9	928.3	853.1	748.9	616.2	465.9	315.1	195.4	111.2
45°	867.1	853.6	823.6	770.0	710.8	601.6	477.9	333.6	214.9	123.2	55.1
47.5°	650.2	651.2	630.7	590.1	532.0	440.8	327.1	223.9	134.8	63.6	12.5
50°	506.5	499.4	470.4	428.8	361.2	293.6	211.4	141.3	71.1	13.0	1.0
52.5°	280.5	285.0	269.5	256.0	220.9	175.3	124.7	71.6	15.0	1.5	1.0
55°	68.6	72.6	69.6	71.1	73.6	65.6	50.6	14.0	1.5	1.0	1.0
57.5°	1.5	1.5	1.5	1.5	2.5	3.5	3.5	1.0	1.0	1.0	1.0
60°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
62.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
65°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
67.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
70°	1.0	1.0	1.0	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0
72.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.0
75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.0
77.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0
80°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0
82.5°	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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: P1308958

CATALOG NUMBER: LDSQA3D05R459030DE010 3LSQCA30R 1MW

**CANDELA DISTRIBUTION (continued):**

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	227.9	227.9	227.9	227.9	227.9	227.9	227.9	227.9
2.5°	305.6	296.1	278.5	226.4	181.8	146.8	125.7	123.7
5°	378.2	352.7	315.6	212.4	134.3	85.2	61.6	58.1
7.5°	435.8	399.8	342.6	189.4	91.7	43.6	24.0	20.0
10°	483.4	432.3	356.7	162.3	57.6	18.5	10.0	8.5
12.5°	516.0	454.4	359.2	132.3	33.1	9.0	6.5	6.0
15°	537.0	461.4	347.2	101.7	18.5	6.0	5.5	5.0
17.5°	545.5	455.4	324.1	73.6	10.0	4.5	4.5	4.5
20°	541.5	435.8	290.0	51.6	6.5	4.0	4.0	4.0
22.5°	522.5	402.3	247.5	34.6	4.5	3.5	3.5	3.5
25°	484.9	356.7	202.4	23.0	3.0	3.0	3.5	3.5
27.5°	428.8	300.6	154.8	15.5	2.5	3.0	3.5	3.5
30°	358.2	238.0	111.2	10.0	2.5	3.0	3.0	3.5
32.5°	284.5	173.3	73.1	6.0	2.0	3.0	3.5	4.0
35°	206.4	118.2	46.6	3.0	2.5	3.0	3.5	4.0
37.5°	144.8	77.1	27.1	2.0	2.5	3.0	4.0	4.0
40°	94.2	43.1	10.0	1.5	2.5	3.5	4.0	4.5
42.5°	49.1	15.0	2.0	1.5	2.5	3.5	4.5	5.0
45°	12.5	2.0	0.5	1.5	3.0	4.0	5.0	5.0
47.5°	1.5	0.5	0.5	2.0	3.0	4.5	5.0	5.5
50°	0.5	1.0	1.0	2.0	3.0	4.5	5.5	6.0
52.5°	1.0	1.0	1.0	2.0	3.5	4.5	6.0	6.5
55°	1.0	1.0	1.0	2.0	3.5	5.0	6.0	6.5
57.5°	1.0	1.0	1.0	2.0	3.5	5.0	6.0	6.0
60°	1.0	1.0	1.0	2.0	3.5	5.0	6.0	6.0
62.5°	1.0	1.0	1.5	2.0	3.5	4.5	6.0	6.0
65°	1.0	1.5	1.5	2.0	3.5	4.5	5.5	6.0
67.5°	1.0	1.0	1.5	2.0	3.5	4.5	5.5	6.0
70°	1.0	1.0	1.5	2.0	3.0	4.0	5.0	5.5
72.5°	1.0	1.0	1.5	2.0	3.0	4.0	4.5	5.0
75°	1.0	1.0	1.5	2.0	2.5	3.5	4.5	4.5
77.5°	1.0	1.0	1.5	1.5	2.5	3.0	4.0	4.0
80°	1.0	1.0	1.5	1.5	2.0	2.5	3.0	3.5
82.5°	1.0	1.0	1.0	1.5	1.5	2.0	2.5	2.5
85°	1.0	1.0	1.0	1.0	1.0	1.5	1.5	1.5
87.5°	0.5	1.0	1.0	1.0	1.0	1.0	1.0	0.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)