

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: P1314713

Luminaire Tested: LDSQA3D13R609730DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

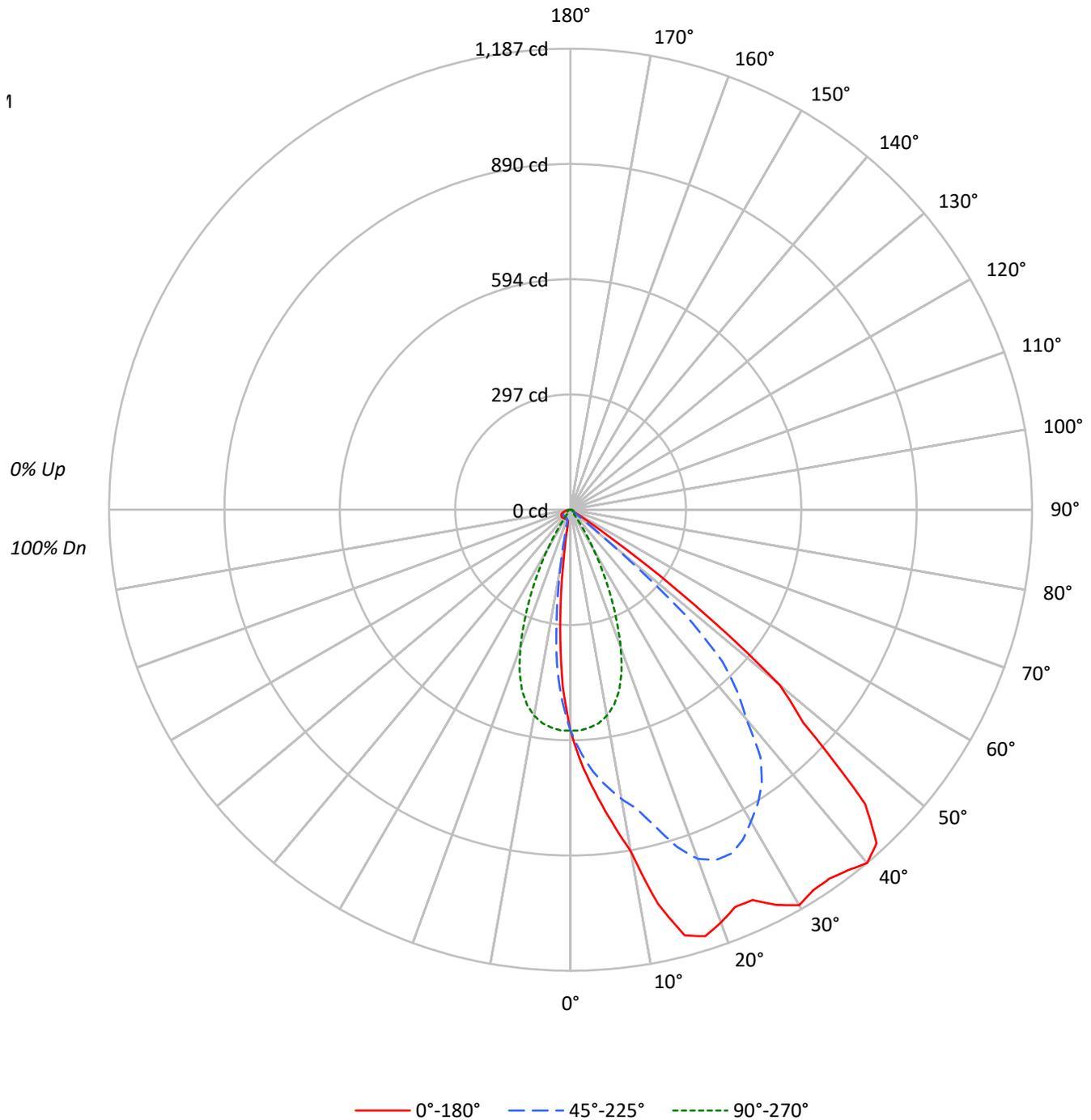
Test Method: LM-79-2019  
Report Number: P1314713  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-67)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R609730DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R60 optic, 3000K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 923.0 lumens  
Efficiency: N/A  
Efficacy: 63.2 lumens/watt  
Spacing Criteria (0/90/45): 1.62 / 0.77 / 1.26  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 14.6  
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

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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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	100	
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	95	90	
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	88	81	
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	81	72	
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	74	65	
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	68	58	
6	79	68	61	56	78	67	61	55	66	60	55	64	59	55	63	58	54	63	52	
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	58	47	
8	70	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	54	43	
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	50	39	
10	61	50	43	38	60	49	43	38	48	42	38	47	42	38	47	41	38	47	36	

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

	0°	45°	90°	135°	180°
0°	97857	97857	97857	97857	97857
5°	126393	117351	97314	69308	52884
10°	156202	132279	94173	26214	7765
15°	202297	150555	85922	5741	5135
20°	207303	175358	69150	4783	4948
25°	210645	185637	46367	4637	4960
30°	233786	184388	23924	4673	5190
35°	243863	180285	6602	4941	5677
40°	266840	158094	3125	5283	6272
45°	261072	134347	3191	5724	7015
50°	188195	33143	3510	6296	7716
55°	36121	2102	3663	6816	8648
60°	1791	2101	3617	7199	9300
65°	1793	2119	3545	7457	9943
70°	1762	2216	3525	7452	10071
75°	1730	2329	3460	7519	10447
80°	893	2579	3471	7736	10414
85°	1778	1778	3359	6916	10275

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 261072 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	49.4	5.4
10°-20°	136.4	14.8
20°-30°	210.0	22.7
30°-40°	246.4	26.7
40°-50°	197.5	21.4
50°-60°	61.3	6.6
60°-70°	11.6	1.3
70°-80°	7.7	0.8
80°-90°	2.7	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°	395.8	42.9
0°-40°	642.1	69.6
0°-60°	901.0	97.6
0°-90°	923.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	923.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	568	568	568	568	568	
5°	731	679	563	401	306	75
15°	1135	844	482	32	29	311
25°	1108	977	244	24	26	523
35°	1160	858	31	24	27	734
45°	1072	552	13	24	29	767
55°	120	7	12	23	29	190
65°	4	5	9	18	24	4
75°	3	4	5	11	16	2
85°	1	1	2	4	5	1
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°	568.2	568.2	568.2	568.2	568.2	568.2	568.2	568.2	568.2	568.2	568.2
2.5°	655.3	648.3	648.3	645.7	643.1	644.0	637.0	639.6	632.7	627.4	623.1
5°	731.1	722.4	721.5	717.2	712.8	709.3	700.6	695.4	684.9	678.8	665.8
7.5°	809.6	802.6	798.2	793.0	785.2	776.4	761.6	752.0	735.5	718.9	702.4
10°	893.2	887.1	877.5	871.4	849.6	835.7	815.7	802.6	778.2	756.4	731.1
12.5°	1039.6	1036.1	1017.8	1005.6	974.3	946.4	902.8	867.9	824.4	788.6	754.7
15°	1134.6	1130.2	1120.7	1109.3	1089.3	1057.9	1018.7	969.9	908.9	844.4	786.9
17.5°	1151.2	1152.0	1145.9	1143.3	1130.2	1110.2	1078.8	1042.2	981.2	909.8	831.3
20°	1131.1	1138.1	1136.3	1141.6	1144.2	1136.3	1115.4	1079.7	1026.5	956.8	868.8
22.5°	1106.7	1112.8	1111.1	1120.7	1135.5	1143.3	1136.3	1107.6	1053.6	976.0	889.7
25°	1108.5	1112.8	1099.7	1105.8	1125.0	1144.2	1145.1	1119.8	1061.4	976.9	888.0
27.5°	1146.8	1133.7	1104.1	1101.5	1125.0	1149.4	1151.2	1119.8	1050.1	958.6	870.6
30°	1175.6	1166.0	1132.9	1128.5	1151.2	1167.7	1159.0	1110.2	1023.1	927.2	845.3
32.5°	1161.6	1163.4	1149.4	1163.4	1193.0	1200.0	1163.4	1087.5	985.6	896.7	815.7
35°	1159.9	1166.8	1174.7	1196.5	1216.5	1200.0	1141.6	1044.8	945.5	857.5	769.5
37.5°	1170.3	1181.7	1193.0	1212.2	1212.2	1169.5	1084.1	990.8	897.6	801.7	673.6
40°	1186.9	1193.9	1197.3	1195.6	1172.1	1109.3	1018.7	925.5	836.6	703.2	610.0
42.5°	1165.1	1164.2	1160.7	1145.9	1102.4	1020.4	935.9	860.1	719.8	634.4	528.1
45°	1071.9	1071.9	1062.3	1038.7	998.7	930.7	855.7	745.1	656.2	551.6	392.1
47.5°	811.3	805.2	815.7	829.6	829.6	823.5	755.5	659.7	569.0	398.2	125.5
50°	702.4	692.8	679.7	682.3	680.6	687.6	644.0	571.7	420.9	123.7	8.7
52.5°	397.4	414.8	457.5	517.6	544.6	554.2	527.2	434.8	142.0	7.8	7.0
55°	120.3	123.7	140.3	172.5	234.4	299.8	304.1	141.2	9.6	7.0	7.0
57.5°	5.2	5.2	7.0	10.5	24.4	36.6	39.2	8.7	6.1	7.0	7.0
60°	5.2	5.2	5.2	5.2	5.2	5.2	6.1	6.1	6.1	6.1	7.0
62.5°	4.4	4.4	5.2	5.2	5.2	5.2	5.2	5.2	6.1	6.1	6.1
65°	4.4	4.4	4.4	4.4	4.4	4.4	5.2	5.2	5.2	5.2	6.1
67.5°	3.5	3.5	3.5	4.4	4.4	4.4	4.4	4.4	5.2	5.2	5.2
70°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.4	4.4	4.4	4.4
72.5°	2.6	2.6	2.6	2.6	2.6	3.5	3.5	3.5	3.5	3.5	4.4
75°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.5	3.5	3.5	3.5
77.5°	1.7	1.7	1.7	1.7	1.7	2.6	2.6	2.6	2.6	2.6	2.6
80°	0.9	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.6	2.6
82.5°	0.9	0.9	0.9	0.9	0.9	0.9	1.7	1.7	1.7	1.7	1.7
85°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.7
87.5°	0.0	0.0	0.0	0.0	0.9	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	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°	568.2	568.2	568.2	568.2	568.2	568.2	568.2	568.2
2.5°	617.0	610.0	602.2	569.0	536.8	493.2	463.6	454.9
5°	654.4	643.1	625.7	562.9	487.1	400.9	331.1	305.9
7.5°	685.8	668.4	644.0	554.2	427.9	271.9	175.2	148.1
10°	708.5	686.7	655.3	538.5	349.4	149.9	59.3	44.4
12.5°	727.6	698.9	661.4	515.0	254.5	61.0	30.5	30.5
15°	740.7	705.9	664.0	481.9	164.7	32.2	28.8	28.8
17.5°	759.0	713.7	664.0	435.7	89.8	27.9	27.9	27.9
20°	788.6	721.5	654.4	377.3	49.7	26.1	27.0	27.0
22.5°	804.3	732.9	642.2	309.4	31.4	25.3	26.1	26.1
25°	807.8	731.1	616.1	244.0	25.3	24.4	25.3	26.1
27.5°	795.6	718.9	581.2	177.8	22.7	23.5	25.3	26.1
30°	773.8	689.3	525.5	120.3	20.9	23.5	25.3	26.1
32.5°	732.9	617.8	460.1	72.3	20.0	23.5	25.3	27.0
35°	641.4	542.9	385.2	31.4	19.2	23.5	26.1	27.0
37.5°	575.1	468.0	298.0	15.7	19.2	23.5	26.1	27.9
40°	501.9	376.5	137.7	13.9	19.2	23.5	26.1	27.9
42.5°	382.6	174.3	16.6	13.9	18.3	23.5	27.0	27.9
45°	139.4	18.3	8.7	13.1	18.3	23.5	27.0	28.8
47.5°	10.5	7.0	7.8	13.1	18.3	23.5	27.0	28.8
50°	7.0	7.0	7.8	13.1	18.3	23.5	27.0	28.8
52.5°	7.0	7.8	7.8	12.2	17.4	23.5	27.0	28.8
55°	7.0	7.8	7.8	12.2	17.4	22.7	27.0	28.8
57.5°	7.0	7.0	7.8	11.3	16.6	21.8	27.0	27.9
60°	7.0	7.0	7.8	10.5	15.7	20.9	25.3	27.0
62.5°	7.0	7.0	7.0	9.6	14.8	20.0	24.4	26.1
65°	6.1	6.1	7.0	8.7	13.1	18.3	22.7	24.4
67.5°	5.2	6.1	6.1	7.8	12.2	16.6	20.9	22.7
70°	5.2	5.2	5.2	7.0	10.5	14.8	19.2	20.0
72.5°	4.4	4.4	5.2	6.1	9.6	13.1	17.4	18.3
75°	3.5	4.4	4.4	5.2	7.8	11.3	14.8	15.7
77.5°	3.5	3.5	3.5	4.4	7.0	9.6	12.2	13.1
80°	2.6	2.6	2.6	3.5	5.2	7.8	9.6	10.5
82.5°	1.7	2.6	2.6	2.6	4.4	5.2	7.0	7.8
85°	1.7	1.7	1.7	1.7	2.6	3.5	4.4	5.2
87.5°	0.9	0.9	1.7	1.7	1.7	1.7	1.7	2.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)