

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: P1315683

Luminaire Tested: LDSQA3D13R609735DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

**Test Information**

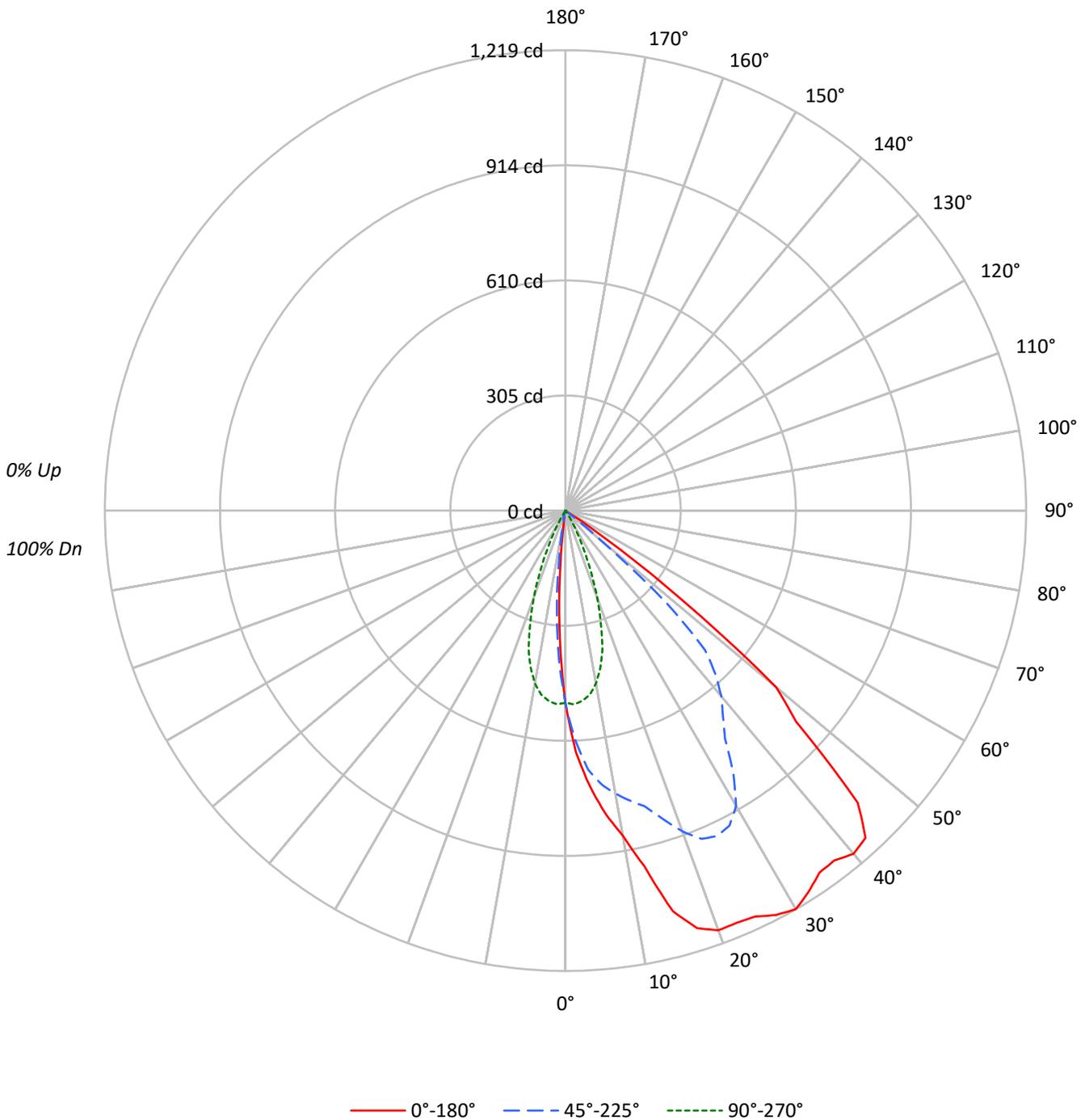
Test Method: LM-79-2019  
Report Number: P1315683  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-55)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R609735DE010 3LSQCA30R 1MB  
Description: 3in Adjustable LED luminaire with, R60 optic, 3500K CCT AND, 97CRI , 3LSQCA30R 1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 827.0 lumens  
Efficiency: N/A  
Efficacy: 56.6 lumens/watt  
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25  
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				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	104	110	107	104	102	103	101	99	99	97	96	96	94	93	96	94	93	91
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82	86	84	82
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74	78	76	74
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66	71	68	66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	69	65	61	60	62	61	60
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54	56	56	54
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	49	51	50	49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44	46	46	44
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40	42	42	40
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	48	42	39	37	39	39	37

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

	0°	45°	90°	135°	180°
0°	87627	87627	87627	87627	87627
5°	126306	118959	87495	45070	28957
10°	152792	132996	81232	5386	3165
15°	195807	144475	67307	3548	2906
20°	216705	165608	45141	1998	330
25°	225372	180639	22195	171	0
30°	242338	179516	6125	0	0
35°	246134	154572	0	0	0
40°	266637	144110	0	0	0
45°	266381	127236	0	0	0
50°	195027	30812	0	0	0
55°	38073	0	0	0	0
60°	0	0	0	0	0
65°	0	367	367	0	0
70°	0	453	453	0	0
75°	0	599	599	0	0
80°	0	893	893	893	0
85°	0	1778	1778	1778	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 5°  
 Vertical Angle: 45°  
 Luminance: 266820 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	43.7	5.3
10°-20°	124.4	15.0
20°-30°	198.3	24.0
30°-40°	229.2	27.7
40°-50°	182.1	22.0
50°-60°	47.9	5.8
60°-70°	0.3	0.0
70°-80°	0.5	0.1
80°-90°	0.5	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°	366.4	44.3
0°-40°	595.7	72.0
0°-60°	825.6	99.8
0°-90°	827.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	827.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	509	509	509	509	509	
5°	731	688	506	261	168	74
15°	1098	810	378	20	16	306
25°	1186	951	117	1	0	553
35°	1171	735	0	0	0	744
45°	1094	522	0	0	0	779
55°	127	0	0	0	0	191
65°	0	1	1	0	0	0
75°	0	1	1	0	0	0
85°	0	1	1	1	0	0
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°	508.8	508.8	508.8	508.8	508.8	508.8	508.8	508.8	508.8	508.8	508.8
2.5°	640.1	646.4	643.7	641.0	634.7	632.0	632.0	624.7	612.9	611.1	603.0
5°	730.6	732.5	732.5	730.6	726.1	718.9	717.1	709.8	699.0	688.1	677.2
7.5°	809.4	808.5	803.1	799.5	791.3	781.3	772.3	762.3	746.0	731.5	716.2
10°	873.7	876.4	871.9	862.8	852.0	838.4	823.9	806.7	782.2	760.5	740.6
12.5°	964.2	963.3	951.6	936.2	909.9	884.6	861.9	842.9	813.0	786.8	762.3
15°	1098.2	1096.4	1085.5	1072.0	1033.9	995.9	957.0	903.6	853.8	810.3	775.9
17.5°	1158.9	1162.5	1153.5	1146.2	1124.5	1099.1	1064.7	1011.3	934.4	855.6	783.2
20°	1182.4	1187.0	1180.6	1179.7	1169.8	1158.0	1129.9	1072.0	996.8	903.6	813.9
22.5°	1181.5	1185.1	1182.4	1194.2	1206.0	1199.6	1165.2	1107.3	1030.3	940.7	839.3
25°	1186.0	1183.3	1173.4	1190.6	1207.8	1202.3	1185.1	1135.3	1051.1	950.6	848.3
27.5°	1206.9	1187.0	1167.0	1188.8	1196.9	1198.7	1188.8	1129.9	1047.5	939.8	830.2
30°	1218.6	1196.9	1180.6	1198.7	1198.7	1208.7	1187.9	1120.9	1016.7	902.7	782.2
32.5°	1196.9	1192.4	1206.9	1225.0	1229.5	1229.5	1183.3	1091.0	965.1	826.6	705.3
35°	1170.7	1181.5	1223.2	1231.3	1231.3	1211.4	1155.3	1038.5	888.2	735.2	648.3
37.5°	1167.9	1185.1	1231.3	1221.4	1205.1	1167.9	1086.5	947.0	778.6	683.6	605.7
40°	1186.0	1202.3	1229.5	1193.3	1154.4	1096.4	998.6	827.5	712.5	641.0	554.1
42.5°	1175.2	1190.6	1191.5	1138.1	1082.8	1004.1	874.6	730.6	664.5	586.7	495.2
45°	1093.7	1095.5	1091.9	1034.8	977.8	896.3	758.7	682.7	612.0	522.4	364.0
47.5°	826.6	823.0	836.6	820.3	823.0	774.1	689.0	626.5	542.3	366.7	110.5
50°	727.9	723.4	709.8	695.3	680.8	657.3	617.5	550.5	391.1	115.0	3.6
52.5°	390.2	411.9	454.5	519.7	544.1	542.3	512.4	407.4	123.1	0.9	0.0
55°	126.8	124.9	139.4	164.8	226.3	260.7	271.6	138.5	2.7	0.0	0.0
57.5°	0.0	0.0	0.0	2.7	9.1	23.5	30.8	1.8	0.0	0.9	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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°	508.8	508.8	508.8	508.8	508.8	508.8	508.8	508.8
2.5°	592.1	579.4	565.0	513.4	452.7	393.8	351.3	340.4
5°	660.0	638.3	607.5	506.1	373.9	260.7	186.5	167.5
7.5°	695.3	676.3	643.7	491.6	289.7	128.6	48.0	32.6
10°	717.1	694.4	658.2	464.5	189.2	30.8	17.2	18.1
12.5°	732.5	706.2	665.5	425.5	96.0	15.4	21.7	22.6
15°	738.8	710.7	664.5	377.5	34.4	19.9	19.0	16.3
17.5°	735.2	699.9	652.8	308.7	11.8	19.0	10.0	8.1
20°	730.6	690.8	633.8	246.3	10.0	10.9	3.6	1.8
22.5°	745.1	675.4	607.5	176.5	10.0	3.6	0.0	0.0
25°	746.9	669.1	574.0	116.8	4.5	0.9	0.0	0.0
27.5°	728.8	632.0	522.4	68.8	0.0	0.0	0.0	0.0
30°	670.9	585.8	467.2	30.8	0.0	0.0	0.0	0.0
32.5°	613.8	534.2	405.6	7.2	0.0	0.0	0.0	0.0
35°	568.6	480.8	337.7	0.0	0.0	0.0	0.0	0.0
37.5°	512.4	417.4	251.7	0.0	0.0	0.0	0.0	0.0
40°	453.6	336.8	125.8	0.0	0.0	0.0	0.0	0.0
42.5°	354.0	160.3	12.7	0.0	0.0	0.0	0.0	0.0
45°	135.8	14.5	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	7.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0
65°	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0
67.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0
70°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0
72.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0
75°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0
77.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0
80°	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0
82.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0
85°	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0
87.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)