

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: P1318417

Luminaire Tested: LDSQA3D13R559830DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

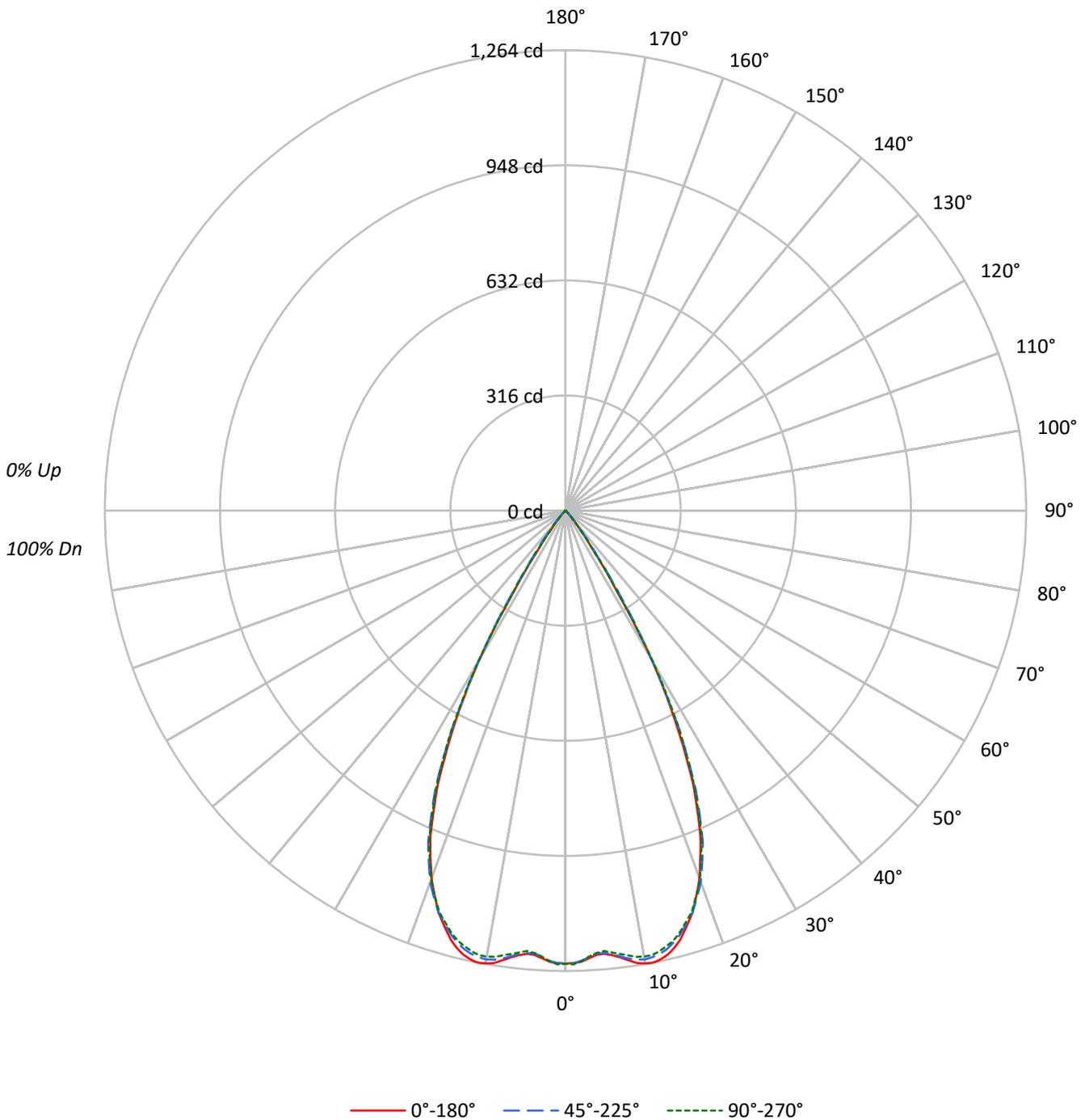
Test Method: LM-79-2019  
Report Number: P1318417  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-40)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R559830DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 98CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 954.1 lumens  
Efficiency: N/A  
Efficacy: 65.8 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 14.5  
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	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	114	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	91	91	91	89
3	104	98	94	90	102	97	93	90	94	91	88	92	89	87	90	88	86	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	81	81	81	79
5	95	88	82	79	94	87	82	78	85	81	78	83	80	77	82	79	76	76	76	76	75
6	91	83	78	74	90	82	77	74	81	76	73	79	76	73	78	75	72	72	72	72	71
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	68	68	68	67
8	83	75	69	66	82	74	69	66	73	69	65	72	68	65	71	68	65	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61	61	61	61	60
10	77	68	62	59	76	67	62	59	67	62	59	66	62	59	65	61	58	58	58	58	57

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

	0°	45°	90°
0°	214245	214245	214245
5°	211191	210810	209808
10°	220733	218827	217428
15°	217292	215348	214439
20°	197021	199019	197553
25°	157551	160858	159337
30°	94481	94481	95634
35°	27290	32336	28215
40°	7824	10612	7824
45°	1778	4067	1778
50°	777	1366	589
55°	661	661	661
60°	758	758	758
65°	611	611	611
70°	755	755	755
75°	466	466	466
80°	694	694	694
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 4067 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	117.9	12.4
10°-20°	336.2	35.2
20°-30°	370.4	38.8
30°-40°	113.3	11.9
40°-50°	11.2	1.2
50°-60°	2.1	0.2
60°-70°	1.7	0.2
70°-80°	0.9	0.1
80°-90°	0.3	0.0
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°	824.6	86.4
0°-40°	937.9	98.3
0°-60°	951.2	99.7
0°-90°	954.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	954.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1244	1244	1244	1244	1244	
5°	1222	1222	1219	1216	1214	118
15°	1219	1216	1208	1203	1203	338
25°	829	837	846	854	838	365
35°	130	136	154	142	134	106
45°	7	11	17	11	7	9
55°	2	2	2	2	2	2
65°	2	2	2	2	2	2
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1244.0	1244.0	1244.0	1244.0	1244.0
1°	1242.6	1243.3	1242.6	1241.1	1246.2
2°	1239.7	1239.0	1236.8	1236.1	1238.2
3°	1230.3	1230.3	1227.4	1225.9	1226.6
4°	1223.0	1223.0	1218.7	1217.2	1217.9
5°	1221.6	1221.6	1219.4	1215.8	1213.6
6°	1227.4	1228.8	1223.7	1220.1	1220.1
7°	1236.1	1236.8	1233.2	1228.1	1226.6
8°	1246.9	1247.7	1241.9	1236.1	1233.2
9°	1257.8	1256.4	1248.4	1242.6	1240.4
10°	1262.2	1261.4	1251.3	1245.5	1243.3
11°	1264.4	1260.7	1249.1	1244.0	1243.3
12°	1259.3	1256.4	1244.0	1239.0	1236.8
13°	1250.6	1246.2	1236.1	1231.0	1228.1
14°	1236.8	1232.4	1223.0	1217.2	1217.9
15°	1218.7	1216.5	1207.8	1202.7	1202.7
17.5°	1158.4	1159.9	1157.7	1155.5	1154.1
20°	1075.0	1080.8	1085.9	1083.0	1077.9
22.5°	968.4	978.5	984.4	985.8	976.4
25°	829.1	837.1	846.5	854.5	838.5
27.5°	655.8	663.0	671.7	676.8	674.6
30°	475.1	475.9	475.1	484.6	480.9
32.5°	264.0	285.8	289.4	296.0	272.7
35°	129.8	136.4	153.8	141.5	134.2
37.5°	62.4	66.7	83.4	68.2	65.3
40°	34.8	37.7	47.2	39.2	34.8
42.5°	16.7	21.8	25.4	22.5	16.7
45°	7.3	10.9	16.7	10.9	7.3
47.5°	2.9	4.4	10.2	4.4	2.9
50°	2.9	2.2	5.1	2.2	2.2
52.5°	2.2	2.2	2.9	2.2	2.2
55°	2.2	2.2	2.2	2.2	2.2
57.5°	2.2	2.2	2.2	2.2	2.2
60°	2.2	2.2	2.2	2.2	2.2
62.5°	1.5	2.2	2.2	2.2	1.5
65°	1.5	1.5	1.5	1.5	1.5
67.5°	1.5	1.5	1.5	1.5	1.5
70°	1.5	1.5	1.5	1.5	1.5
72.5°	0.7	1.5	0.7	0.7	0.7
75°	0.7	0.7	0.7	0.7	0.7
77.5°	0.7	0.7	0.7	0.7	0.7
80°	0.7	0.7	0.7	0.7	0.7
82.5°	0.7	0.7	0.7	0.7	0.7
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)