

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: P1316661

Luminaire Tested: LDSQA3D13R609740DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

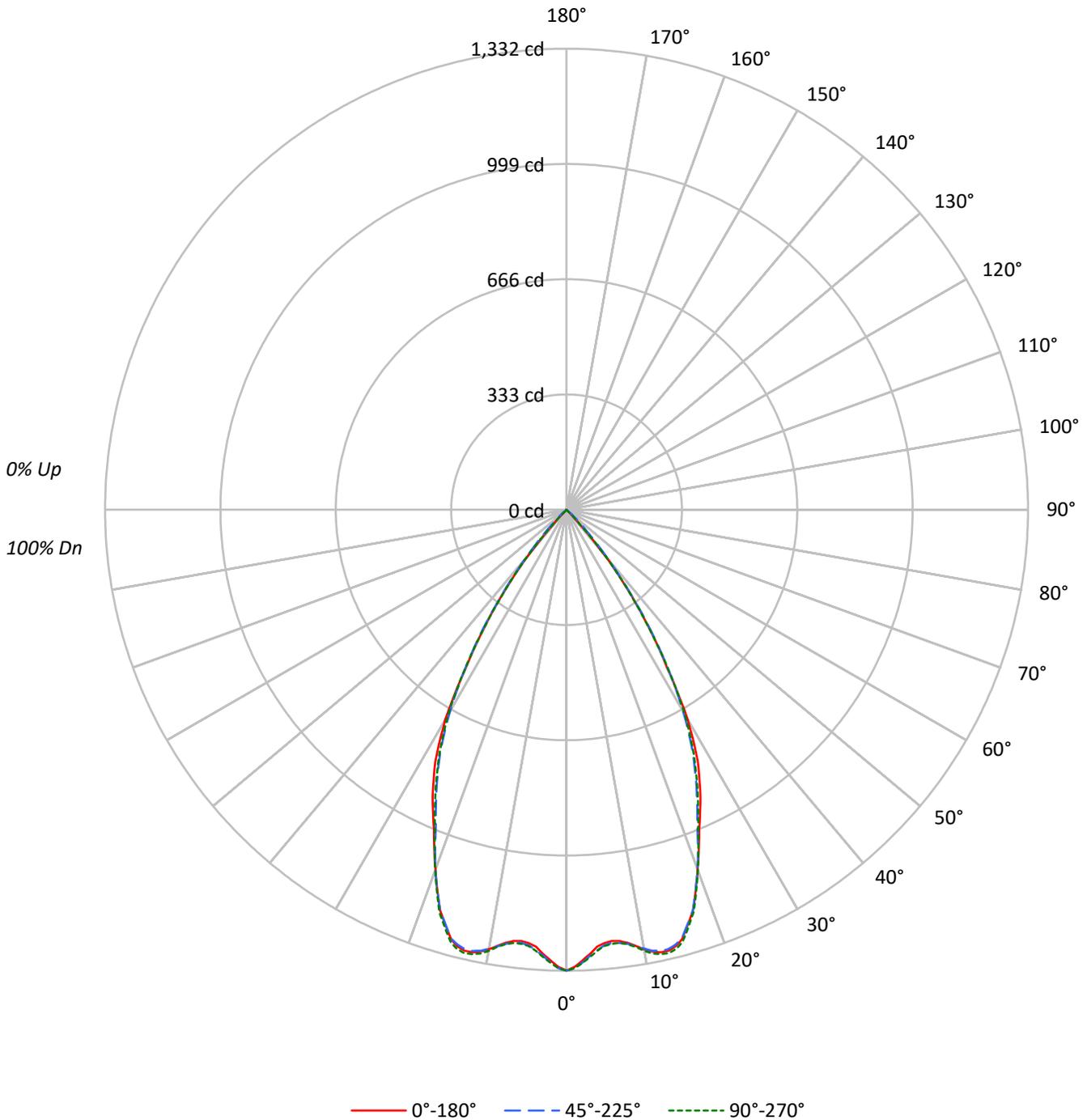
Test Method: LM-79-2019  
Report Number: P1316661  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-29)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R609740DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R60 optic, 4000K CCT AND, 97CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1180.0 lumens  
Efficiency: N/A  
Efficacy: 80.8 lumens/watt  
Spacing Criteria (0/90/45): 0.95 / 0.93 / 0.9  
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 (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

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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	111	109	107	105	105	103	102	101	100	99	98	97	96	96	96	96	94
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	89	93	91	89	88
3	103	97	92	88	101	96	91	88	93	89	86	91	88	85	88	86	84	88	86	84	82
4	98	91	86	81	96	90	85	81	88	83	80	86	82	79	84	81	78	84	81	78	77
5	93	85	80	76	92	84	79	75	83	78	75	81	77	74	79	76	73	79	76	73	72
6	89	80	74	70	87	79	74	70	78	73	70	77	72	69	75	72	69	75	72	69	67
7	85	76	70	66	83	75	69	65	74	69	65	72	68	65	71	67	64	71	67	64	63
8	81	71	66	62	79	71	65	61	70	65	61	69	64	61	68	64	61	68	64	61	59
9	77	67	62	58	76	67	61	58	66	61	57	65	61	57	64	60	57	64	60	57	56
10	73	64	58	54	72	63	58	54	63	58	54	62	57	54	61	57	54	61	57	54	53

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

	0°	45°	90°
0°	229314	229314	229314
5°	217190	218313	218642
10°	225455	225122	226434
15°	229184	228845	230539
20°	202813	202813	203161
25°	173817	168630	170055
30°	139047	133996	136044
35°	86264	88051	86053
40°	37860	41682	38916
45°	463	13518	1145
50°	0	1500	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 13518 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	121.6	10.3
10°-20°	352.5	29.9
20°-30°	409.3	34.7
30°-40°	257.7	21.8
40°-50°	38.7	3.3
50°-60°	0.2	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	883.4	74.9
0°-40°	1141.1	96.7
0°-60°	1180.0	100.0
0°-90°	1180.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1180.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1332	1332	1332	1332	1332	
5°	1256	1261	1263	1266	1265	121
15°	1285	1281	1284	1292	1293	352
25°	915	904	887	891	895	416
35°	410	411	419	410	409	256
45°	2	18	56	24	5	25
55°	0	0	0	0	0	0
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



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1331.5	1331.5	1331.5	1331.5	1331.5
1°	1321.2	1325.0	1325.0	1325.9	1325.0
2°	1303.3	1309.0	1309.0	1311.8	1309.9
3°	1285.4	1290.1	1291.1	1294.8	1293.9
4°	1265.7	1273.2	1276.0	1277.9	1277.0
5°	1256.3	1261.0	1262.8	1265.7	1264.7
6°	1252.5	1256.3	1258.1	1261.0	1261.0
7°	1255.3	1258.1	1261.0	1262.8	1261.0
8°	1263.8	1266.6	1266.6	1270.4	1267.6
9°	1276.0	1277.0	1277.0	1281.7	1278.8
10°	1289.2	1287.3	1287.3	1293.9	1294.8
11°	1300.5	1298.6	1297.7	1304.3	1306.1
12°	1307.1	1303.3	1303.3	1311.8	1312.7
13°	1308.0	1303.3	1303.3	1311.8	1314.6
14°	1300.5	1294.8	1295.8	1305.2	1308.0
15°	1285.4	1280.7	1283.5	1292.0	1293.0
17.5°	1213.9	1211.1	1213.0	1218.6	1219.6
20°	1106.6	1104.8	1106.6	1106.6	1108.5
22.5°	1000.3	995.6	986.2	991.8	992.8
25°	914.7	904.3	887.4	891.1	894.9
27.5°	820.6	807.4	789.5	794.2	795.2
30°	699.2	692.6	673.8	678.5	684.1
32.5°	540.1	558.0	546.7	545.8	546.7
35°	410.3	411.2	418.8	410.3	409.3
37.5°	287.0	288.0	293.6	284.2	285.1
40°	168.4	180.7	185.4	181.6	173.1
42.5°	52.7	93.2	105.4	91.3	58.3
45°	1.9	17.9	55.5	23.5	4.7
47.5°	0.0	0.9	26.3	1.9	0.0
50°	0.0	0.0	5.6	0.0	0.0
52.5°	0.0	0.0	0.9	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°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
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)