

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: P1316338

Luminaire Tested: LDSQA3D05R609740DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

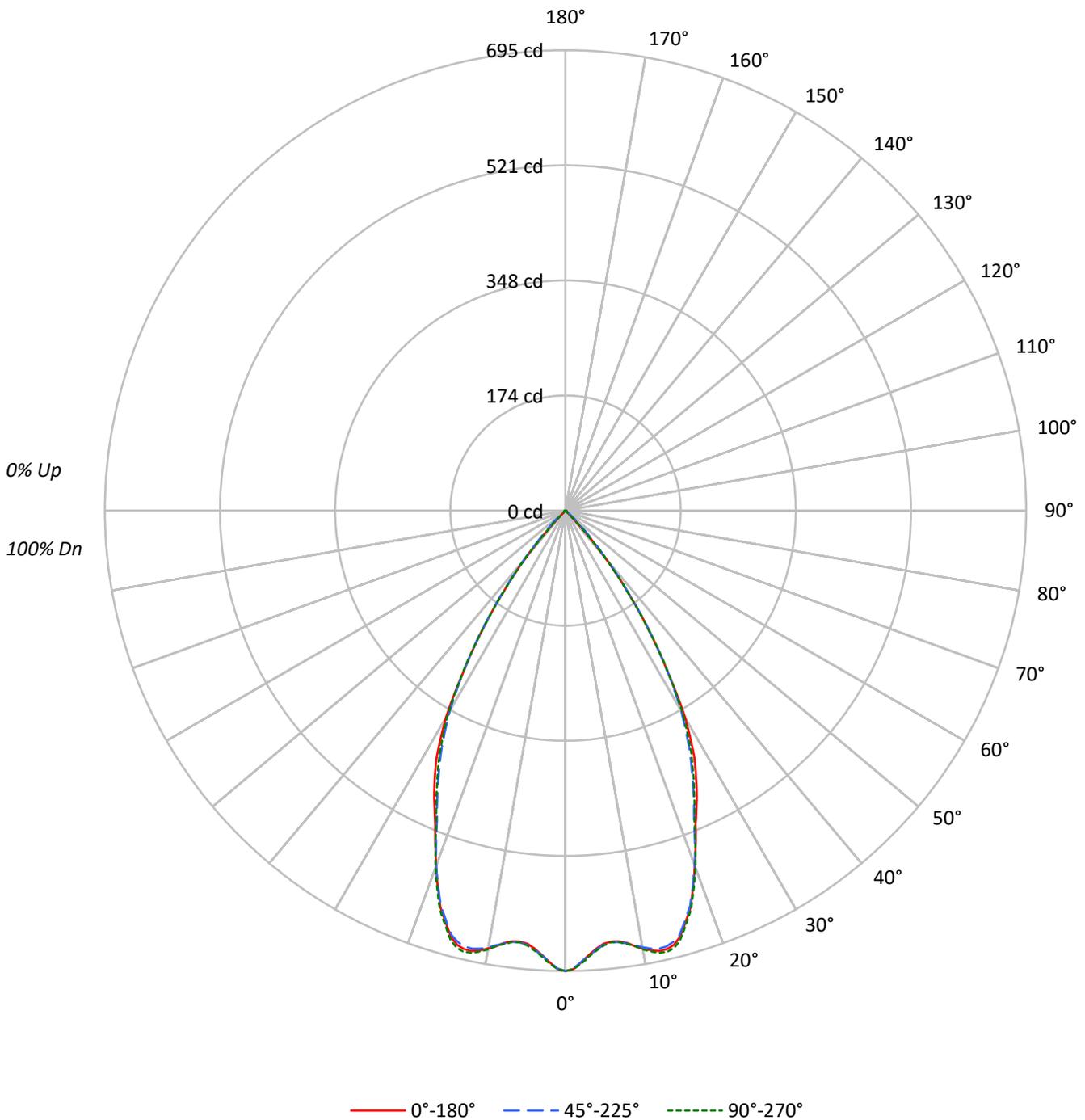
Test Method: LM-79-2019  
Report Number: P1316338  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-41)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R609740DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R60 optic, 4000K CCT AND, 97CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 620.0 lumens  
Efficiency: N/A  
Efficacy: 86.1 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.92 / 0.9  
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

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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	100	100	100	100
1	114	111	108	106	111	109	107	105	105	103	101	101	100	98	98	96	95	94	94	94	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87	87	87	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	82	82	82	82
4	98	90	85	81	96	89	84	80	87	83	79	85	81	79	83	80	78	76	76	76	76
5	93	85	79	75	91	84	79	75	82	77	74	80	76	73	79	75	73	71	71	71	71
6	88	80	74	70	87	79	73	69	77	73	69	76	72	68	75	71	68	67	67	67	67
7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	62	62	62	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59	59	59	59
9	76	67	61	57	75	66	61	57	65	60	57	65	60	57	64	60	56	55	55	55	55
10	73	63	58	54	72	63	57	54	62	57	54	61	57	53	61	56	53	52	52	52	52

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

	0°	45°	90°
0°	119712	119712	119712
5°	113461	113790	113963
10°	117397	117064	117659
15°	118836	118319	119531
20°	104632	104540	105090
25°	89046	86462	87203
30°	71870	69364	70518
35°	45476	45896	45392
40°	21268	22145	21583
45°	1291	7794	1534
50°	643	1822	643
55°	721	721	721
60°	654	654	654
65°	611	774	611
70°	755	755	755
75°	665	665	665
80°	496	496	496
85°	988	988	988

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 7794 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	63.3	10.2
10°-20°	182.5	29.4
20°-30°	210.3	33.9
30°-40°	135.1	21.8
40°-50°	23.5	3.8
50°-60°	2.2	0.4
60°-70°	1.7	0.3
70°-80°	1.1	0.2
80°-90°	0.3	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°	456.1	73.6
0°-40°	591.2	95.4
0°-60°	616.9	99.5
0°-90°	620.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	620.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	695	695	695	695	695	
5°	656	658	658	660	659	63
15°	666	664	664	668	670	183
25°	469	463	455	456	459	214
35°	216	215	218	214	216	135
45°	5	16	32	19	6	18
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°	695.1	695.1	695.1	695.1	695.1
1°	692.2	691.7	691.2	691.7	692.2
2°	682.5	682.0	681.5	683.5	684.4
3°	671.8	672.3	672.8	673.8	674.3
4°	663.1	664.1	664.5	665.5	666.0
5°	656.3	657.8	658.2	659.7	659.2
6°	654.4	655.3	655.8	656.3	655.3
7°	655.3	655.8	656.3	657.3	656.3
8°	658.7	659.2	659.7	660.2	660.2
9°	665.5	664.5	664.1	666.0	665.5
10°	671.3	669.9	669.4	672.3	672.8
11°	676.2	674.3	673.8	677.2	678.1
12°	679.6	676.7	676.2	680.6	682.5
13°	679.6	675.7	675.7	680.6	683.5
14°	675.7	671.3	671.3	676.7	680.1
15°	666.5	664.1	663.6	667.9	670.4
17.5°	627.7	624.8	625.3	630.1	630.6
20°	570.9	569.5	570.4	571.4	573.4
22.5°	513.2	512.2	506.9	508.4	509.3
25°	468.6	463.2	455.0	455.5	458.9
27.5°	421.5	416.2	404.6	407.0	410.4
30°	361.4	357.0	348.8	350.2	354.6
32.5°	283.8	292.5	284.7	287.2	285.7
35°	216.3	214.9	218.3	213.9	215.9
37.5°	152.3	152.8	154.3	150.4	150.4
40°	94.6	97.0	98.5	96.5	96.0
42.5°	39.8	54.3	57.2	54.3	40.3
45°	5.3	16.0	32.0	18.9	6.3
47.5°	2.4	3.4	17.0	3.4	2.4
50°	2.4	2.4	6.8	2.4	2.4
52.5°	2.4	2.4	2.4	2.4	2.4
55°	2.4	2.4	2.4	2.4	2.4
57.5°	2.4	2.4	2.4	2.4	2.4
60°	1.9	1.9	1.9	1.9	1.9
62.5°	1.9	1.9	1.9	1.9	1.9
65°	1.5	1.9	1.9	1.9	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°	1.0	1.0	1.0	1.0	1.0
75°	1.0	1.0	1.0	1.0	1.0
77.5°	1.0	1.0	1.0	1.0	1.0
80°	0.5	0.5	0.5	0.5	0.5
82.5°	0.5	0.5	0.5	0.5	0.5
85°	0.5	0.5	0.5	0.5	0.5
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)