

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: P1323629

Luminaire Tested: LDSQA3D05R359030D2WDE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

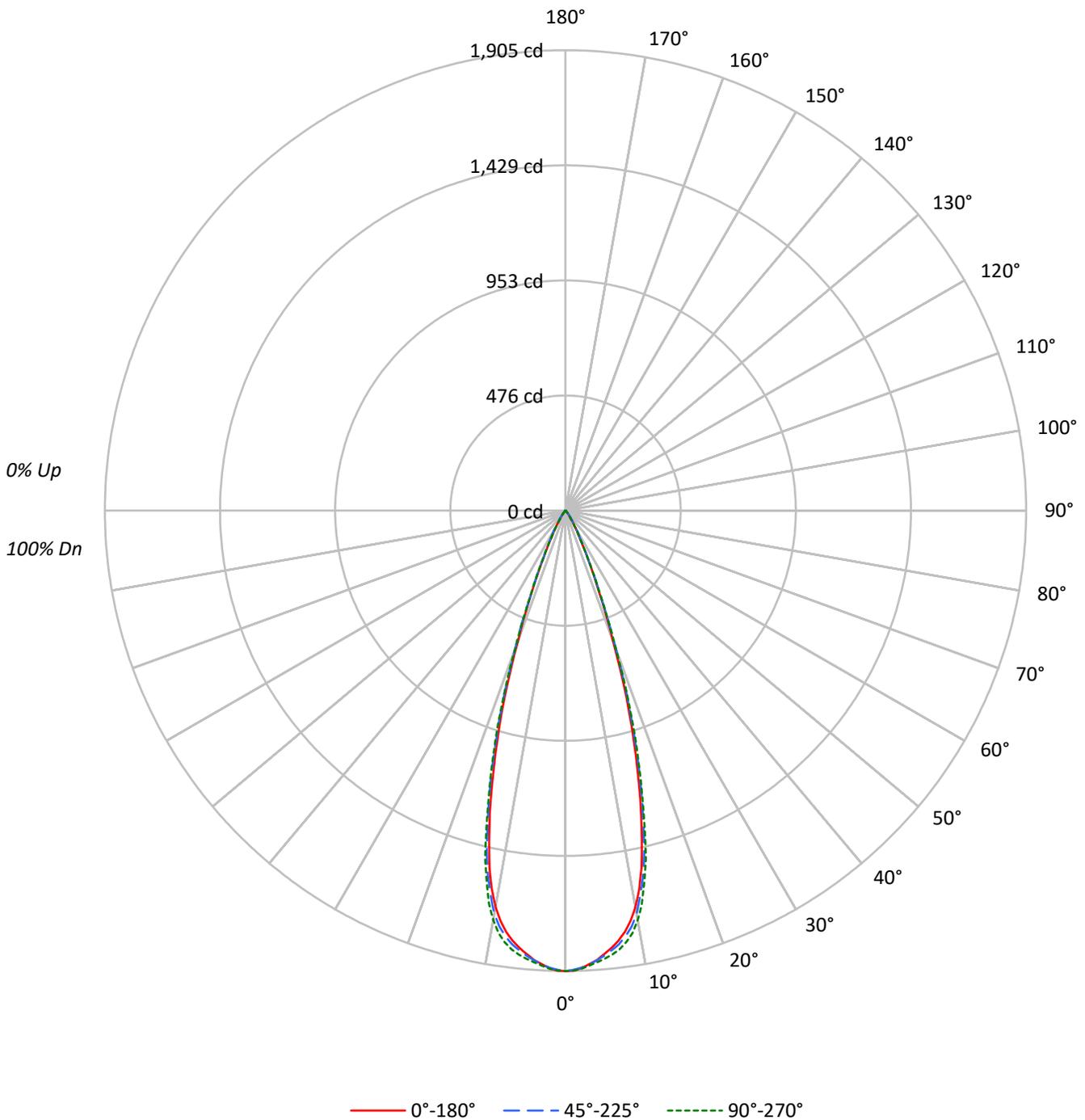
Test Method: LM-79-2019  
Report Number: P1323629  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-37)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R359030D2WDE010 3LSQCDR1MW  
Description: 3in Adjustable Dim to Warm LED luminaire with, R35 optic, 3000K CCT AND, 90CRI ,  
3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 640.0 lumens  
Efficiency: N/A  
Efficacy: 57.7 lumens/watt  
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 11.1  
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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	98	98	98	96
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	94	94	94	93
3	107	102	98	95	105	101	97	95	98	96	93	96	94	92	94	92	90	94	92	90	89
4	103	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87	91	89	87	86
5	100	94	90	86	99	93	89	86	91	88	85	90	87	85	89	86	84	89	86	84	83
6	97	90	86	83	96	90	86	83	88	85	82	87	84	82	86	83	81	86	83	81	80
7	94	87	83	80	93	87	82	79	85	82	79	84	81	79	83	81	78	83	81	78	77
8	91	84	80	77	90	84	79	77	83	79	76	82	78	76	81	78	76	81	78	76	75
9	88	81	77	74	88	81	77	74	80	76	74	79	76	74	79	76	73	79	76	73	72
10	86	79	75	72	85	78	74	72	78	74	71	77	74	71	76	73	71	76	73	71	70

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

	0°	45°	90°
0°	328136	328136	328136
5°	318429	319552	321696
10°	291279	296333	300880
15°	209072	216739	218968
20°	105163	111303	111578
25°	39868	41084	41274
30°	16188	18574	15889
35°	5887	8935	5677
40°	2473	3822	2361
45°	609	1583	609
50°	402	670	402
55°	450	450	450
60°	517	517	517
65°	408	408	408
70°	252	252	252
75°	333	333	333
80°	496	496	496
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1583 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	172.3	26.9
10°-20°	320.9	50.1
20°-30°	115.4	18.0
30°-40°	24.3	3.8
40°-50°	4.2	0.7
50°-60°	1.4	0.2
60°-70°	1.0	0.2
70°-80°	0.5	0.1
80°-90°	0.1	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°	608.6	95.1
0°-40°	632.9	98.9
0°-60°	638.4	99.7
0°-90°	640.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	640.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1905	1905	1905	1905	1905	
5°	1842	1845	1848	1861	1861	171
15°	1173	1193	1216	1229	1228	312
25°	210	213	216	218	217	112
35°	28	33	42	32	27	21
45°	2	4	6	4	2	3
55°	2	2	2	2	2	1
65°	1	1	1	1	1	1
75°	0	0	0	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1905.3	1905.3	1905.3	1905.3	1905.3
1°	1904.3	1904.3	1900.3	1904.8	1903.3
2°	1893.8	1894.8	1892.3	1897.8	1897.3
3°	1879.3	1881.8	1879.8	1887.8	1885.3
4°	1863.8	1865.8	1864.8	1874.8	1873.8
5°	1841.9	1845.4	1848.4	1860.8	1860.8
6°	1819.4	1822.9	1829.4	1842.9	1847.4
7°	1793.4	1797.9	1808.4	1826.4	1829.4
8°	1760.5	1765.5	1779.9	1799.4	1803.4
9°	1719.5	1727.0	1743.5	1766.9	1769.4
10°	1665.6	1671.6	1694.5	1714.0	1720.5
11°	1595.6	1600.6	1621.1	1652.6	1656.6
12°	1510.7	1516.7	1543.2	1563.7	1567.7
13°	1403.4	1414.9	1446.8	1466.8	1477.8
14°	1293.0	1308.5	1331.5	1359.9	1352.9
15°	1172.6	1193.1	1215.6	1228.6	1228.1
17.5°	877.5	889.5	909.4	916.9	926.9
20°	573.8	589.3	607.3	614.3	608.8
22.5°	356.1	360.1	365.6	368.6	367.6
25°	209.8	212.8	216.2	218.2	217.2
27.5°	126.4	133.3	138.3	132.3	128.9
30°	81.4	84.4	93.4	85.4	79.9
32.5°	48.4	55.4	62.9	53.4	46.4
35°	28.0	33.0	42.5	32.5	27.0
37.5°	18.0	20.5	27.5	20.0	17.5
40°	11.0	14.0	17.0	13.0	10.5
42.5°	5.5	8.5	10.0	7.5	5.5
45°	2.5	4.0	6.5	4.0	2.5
47.5°	1.5	2.0	4.0	2.0	1.5
50°	1.5	1.5	2.5	1.5	1.5
52.5°	1.5	1.5	1.5	1.5	1.5
55°	1.5	1.5	1.5	1.5	1.5
57.5°	1.5	1.5	1.5	1.5	1.5
60°	1.5	1.5	1.5	1.5	1.5
62.5°	1.0	1.0	1.0	1.0	1.0
65°	1.0	1.0	1.0	1.0	1.0
67.5°	1.0	1.0	1.0	1.0	1.0
70°	0.5	0.5	0.5	0.5	0.5
72.5°	0.5	0.5	0.5	0.5	0.5
75°	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.5	0.5	0.5
80°	0.5	0.5	0.5	0.5	0.5
82.5°	0.5	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)