

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: P1307529

Luminaire Tested: LDSQA3D20R609024D010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

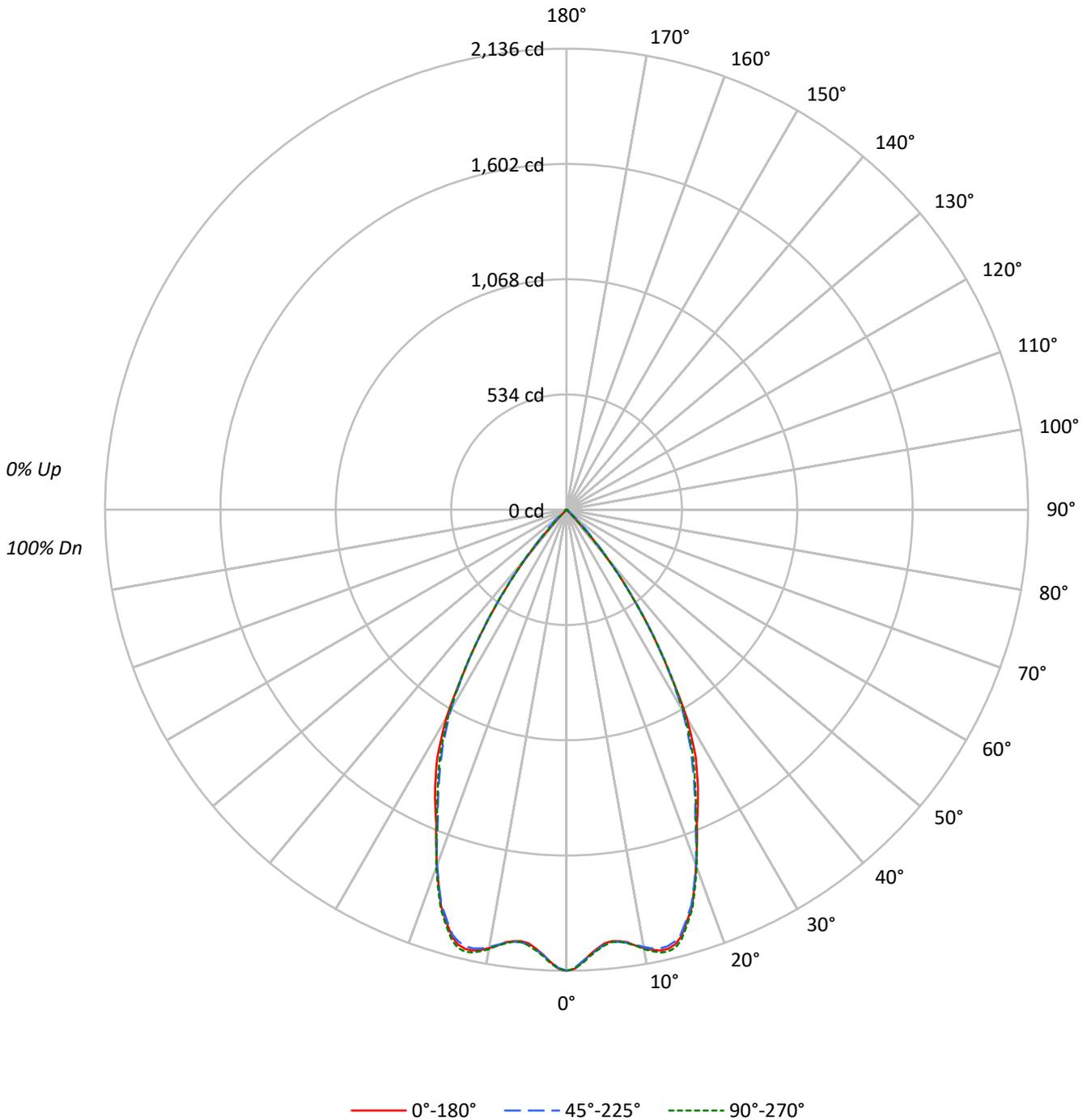
Test Method: LM-79-2019  
Report Number: P1307529  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-41)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R609024D010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R60 optic, 2400K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1905.1 lumens  
Efficiency: N/A  
Efficacy: 66.1 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.92 / 0.9  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 28.8  
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	108	106	111	109	107	105	105	103	101	101	100	98	98	96	95	95	95	95	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	89	89	89	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	83	83	83	82
4	98	90	85	81	96	89	84	80	87	83	79	85	81	79	83	80	78	78	78	78	76
5	93	85	79	75	91	84	79	75	82	77	74	80	76	73	79	75	73	73	73	73	71
6	88	80	74	70	87	79	73	69	77	73	69	76	72	68	75	71	68	68	68	68	67
7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	64	64	64	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	60	60	60	59
9	76	67	61	57	75	66	61	57	65	60	57	65	60	57	64	60	56	56	56	56	55
10	73	63	58	54	72	63	57	54	62	57	54	61	57	53	61	56	53	53	53	53	52

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

	0°	45°	90°
0°	367833	367833	367833
5°	348614	349651	350169
10°	360724	359692	361511
15°	365119	363532	367258
20°	321502	321227	322876
25°	273581	265657	267919
30°	220820	213104	216664
35°	139750	141011	139434
40°	65333	68031	66345
45°	3994	23966	4725
50°	2009	5600	2009
55°	2252	2252	2252
60°	2067	2067	2067
65°	1834	2445	1834
70°	2266	2266	2266
75°	1996	1996	1996
80°	1488	1488	1488
85°	2964	2964	2964

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 23966 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	194.6	10.2
10°-20°	560.7	29.4
20°-30°	646.3	33.9
30°-40°	415.0	21.8
40°-50°	72.2	3.8
50°-60°	6.9	0.4
60°-70°	5.3	0.3
70°-80°	3.2	0.2
80°-90°	1.0	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°	1401.5	73.6
0°-40°	1816.5	95.4
0°-60°	1895.6	99.5
0°-90°	1905.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1905.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2136	2136	2136	2136	2136	
5°	2016	2021	2022	2027	2026	194
15°	2048	2040	2039	2052	2060	561
25°	1440	1423	1398	1400	1410	656
35°	665	660	671	657	663	415
45°	16	49	98	58	19	54
55°	8	8	8	8	8	7
65°	4	6	6	6	4	5
75°	3	3	3	3	3	3
85°	2	2	2	2	2	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2135.8	2135.8	2135.8	2135.8	2135.8
1°	2126.8	2125.3	2123.9	2125.3	2126.8
2°	2097.0	2095.5	2094.0	2100.0	2103.0
3°	2064.2	2065.7	2067.2	2070.2	2071.7
4°	2037.4	2040.4	2041.9	2044.9	2046.4
5°	2016.5	2021.0	2022.5	2027.0	2025.5
6°	2010.6	2013.6	2015.1	2016.5	2013.6
7°	2013.6	2015.1	2016.5	2019.5	2016.5
8°	2024.0	2025.5	2027.0	2028.5	2028.5
9°	2044.9	2041.9	2040.4	2046.4	2044.9
10°	2062.7	2058.3	2056.8	2065.7	2067.2
11°	2077.7	2071.7	2070.2	2080.6	2083.6
12°	2088.1	2079.1	2077.7	2091.1	2097.0
13°	2088.1	2076.2	2076.2	2091.1	2100.0
14°	2076.2	2062.7	2062.7	2079.1	2089.6
15°	2047.8	2040.4	2038.9	2052.3	2059.8
17.5°	1928.6	1919.7	1921.2	1936.1	1937.6
20°	1754.2	1749.8	1752.7	1755.7	1761.7
22.5°	1576.9	1573.9	1557.5	1562.0	1564.9
25°	1439.7	1423.4	1398.0	1399.5	1409.9
27.5°	1295.2	1278.8	1243.0	1250.5	1260.9
30°	1110.4	1097.0	1071.6	1076.1	1089.5
32.5°	871.9	898.7	874.9	882.3	877.9
35°	664.7	660.3	670.7	657.3	663.2
37.5°	468.0	469.5	474.0	462.0	462.0
40°	290.6	298.1	302.6	296.6	295.1
42.5°	122.2	166.9	175.9	166.9	123.7
45°	16.4	49.2	98.4	58.1	19.4
47.5°	7.5	10.4	52.2	10.4	7.5
50°	7.5	7.5	20.9	7.5	7.5
52.5°	7.5	7.5	7.5	7.5	7.5
55°	7.5	7.5	7.5	7.5	7.5
57.5°	7.5	7.5	7.5	7.5	7.5
60°	6.0	6.0	6.0	6.0	6.0
62.5°	6.0	6.0	6.0	6.0	6.0
65°	4.5	6.0	6.0	6.0	4.5
67.5°	4.5	4.5	4.5	4.5	4.5
70°	4.5	4.5	4.5	4.5	4.5
72.5°	3.0	3.0	3.0	3.0	3.0
75°	3.0	3.0	3.0	3.0	3.0
77.5°	3.0	3.0	3.0	3.0	3.0
80°	1.5	1.5	1.5	1.5	1.5
82.5°	1.5	1.5	1.5	1.5	1.5
85°	1.5	1.5	1.5	1.5	1.5
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)