

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: P1310591

Luminaire Tested: LDSQA3D17R609035DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310591  
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: LDSQA3D17R609035DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R60 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

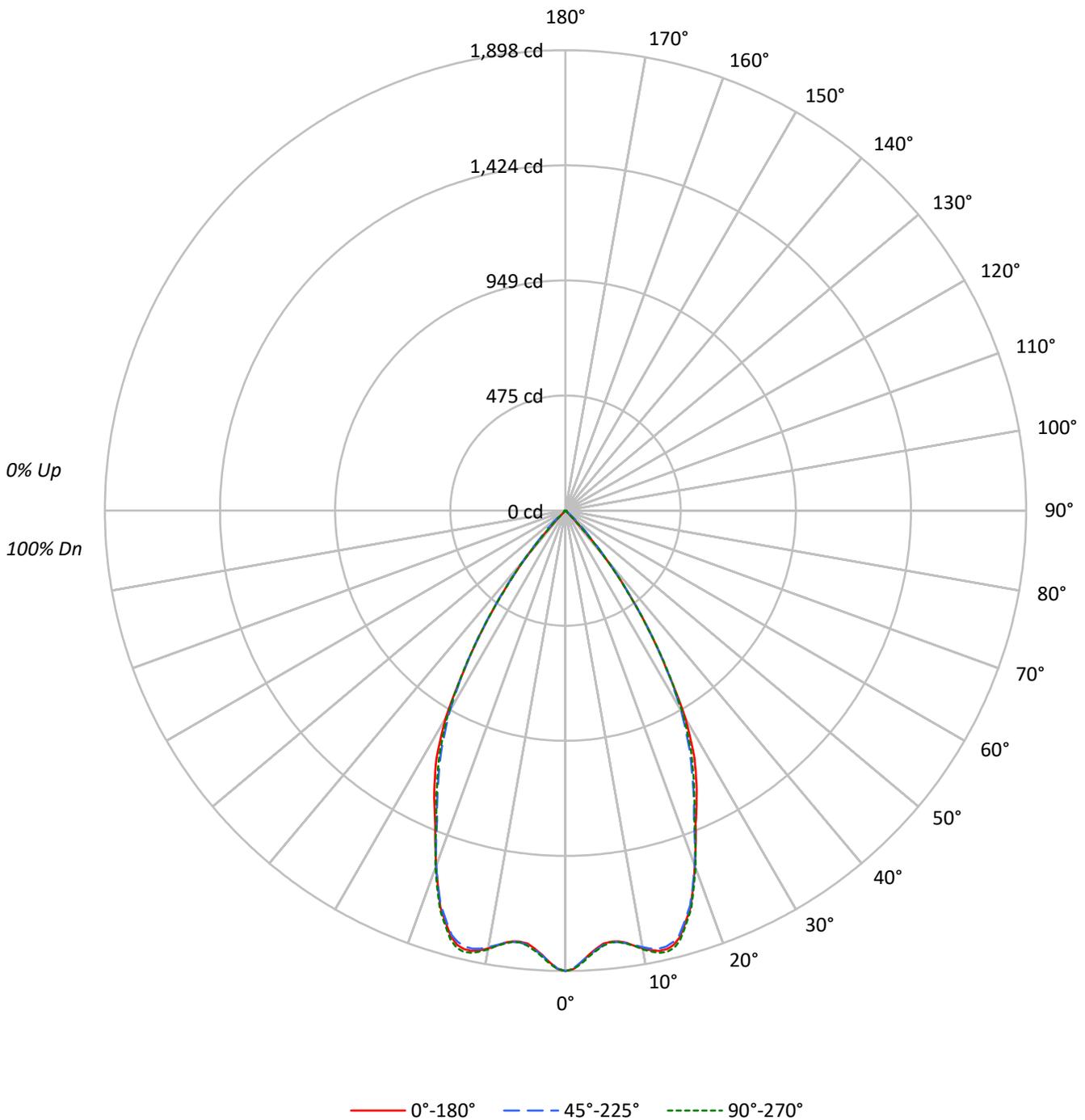
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1692.9 lumens  
Efficiency: N/A  
Efficacy: 79.9 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): 21.2  
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				
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°	326896	326896	326896
5°	309819	310735	311202
10°	320589	319662	321289
15°	324485	323076	326374
20°	285727	285488	286936
25°	243139	236089	238103
30°	196241	189400	192562
35°	124213	125327	123918
40°	58071	60454	58970
45°	3556	21287	4189
50°	1768	4957	1768
55°	1982	1982	1982
60°	1826	1826	1826
65°	1630	2160	1630
70°	2014	2014	2014
75°	1730	1730	1730
80°	1289	1289	1289
85°	2569	2569	2569

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 21287 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	173.0	10.2
10°-20°	498.3	29.4
20°-30°	574.3	33.9
30°-40°	368.8	21.8
40°-50°	64.2	3.8
50°-60°	6.1	0.4
60°-70°	4.7	0.3
70°-80°	2.8	0.2
80°-90°	0.9	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°	1245.6	73.6
0°-40°	1614.4	95.4
0°-60°	1684.6	99.5
0°-90°	1692.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1692.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1898	1898	1898	1898	1898	
5°	1792	1796	1797	1801	1800	173
15°	1820	1813	1812	1824	1830	499
25°	1280	1265	1242	1244	1253	583
35°	591	587	596	584	589	369
45°	15	44	87	52	17	48
55°	7	7	7	7	7	6
65°	4	5	5	5	4	4
75°	3	3	3	3	3	3
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1898.1	1898.1	1898.1	1898.1	1898.1
1°	1890.1	1888.8	1887.5	1888.8	1890.1
2°	1863.7	1862.3	1861.0	1866.3	1869.0
3°	1834.5	1835.8	1837.2	1839.8	1841.1
4°	1810.7	1813.3	1814.6	1817.3	1818.6
5°	1792.1	1796.1	1797.4	1801.4	1800.1
6°	1786.8	1789.5	1790.8	1792.1	1789.5
7°	1789.5	1790.8	1792.1	1794.8	1792.1
8°	1798.8	1800.1	1801.4	1802.7	1802.7
9°	1817.3	1814.6	1813.3	1818.6	1817.3
10°	1833.2	1829.2	1827.9	1835.8	1837.2
11°	1846.4	1841.1	1839.8	1849.1	1851.7
12°	1855.7	1847.8	1846.4	1858.4	1863.7
13°	1855.7	1845.1	1845.1	1858.4	1866.3
14°	1845.1	1833.2	1833.2	1847.8	1857.0
15°	1819.9	1813.3	1812.0	1823.9	1830.5
17.5°	1714.0	1706.0	1707.4	1720.6	1721.9
20°	1559.0	1555.0	1557.7	1560.3	1565.6
22.5°	1401.4	1398.7	1384.2	1388.1	1390.8
25°	1279.5	1265.0	1242.4	1243.8	1253.0
27.5°	1151.0	1136.5	1104.7	1111.3	1120.6
30°	986.8	974.9	952.4	956.3	968.3
32.5°	774.9	798.7	777.5	784.1	780.2
35°	590.8	586.8	596.1	584.1	589.4
37.5°	415.9	417.2	421.2	410.6	410.6
40°	258.3	264.9	268.9	263.6	262.3
42.5°	108.6	148.4	156.3	148.4	109.9
45°	14.6	43.7	87.4	51.7	17.2
47.5°	6.6	9.3	46.4	9.3	6.6
50°	6.6	6.6	18.5	6.6	6.6
52.5°	6.6	6.6	6.6	6.6	6.6
55°	6.6	6.6	6.6	6.6	6.6
57.5°	6.6	6.6	6.6	6.6	6.6
60°	5.3	5.3	5.3	5.3	5.3
62.5°	5.3	5.3	5.3	5.3	5.3
65°	4.0	5.3	5.3	5.3	4.0
67.5°	4.0	4.0	4.0	4.0	4.0
70°	4.0	4.0	4.0	4.0	4.0
72.5°	2.6	2.6	2.6	2.6	2.6
75°	2.6	2.6	2.6	2.6	2.6
77.5°	2.6	2.6	2.6	2.6	2.6
80°	1.3	1.3	1.3	1.3	1.3
82.5°	1.3	1.3	1.3	1.3	1.3
85°	1.3	1.3	1.3	1.3	1.3
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)