

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: P1307823

Luminaire Tested: LDSQA3D05R359027DE010 3LSQPHR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307823  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R359027DE010 3LSQPHR1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 90CRI , 3LSQPHR1MW TRIM  
Light Source: -  
Ballast/Driver: -

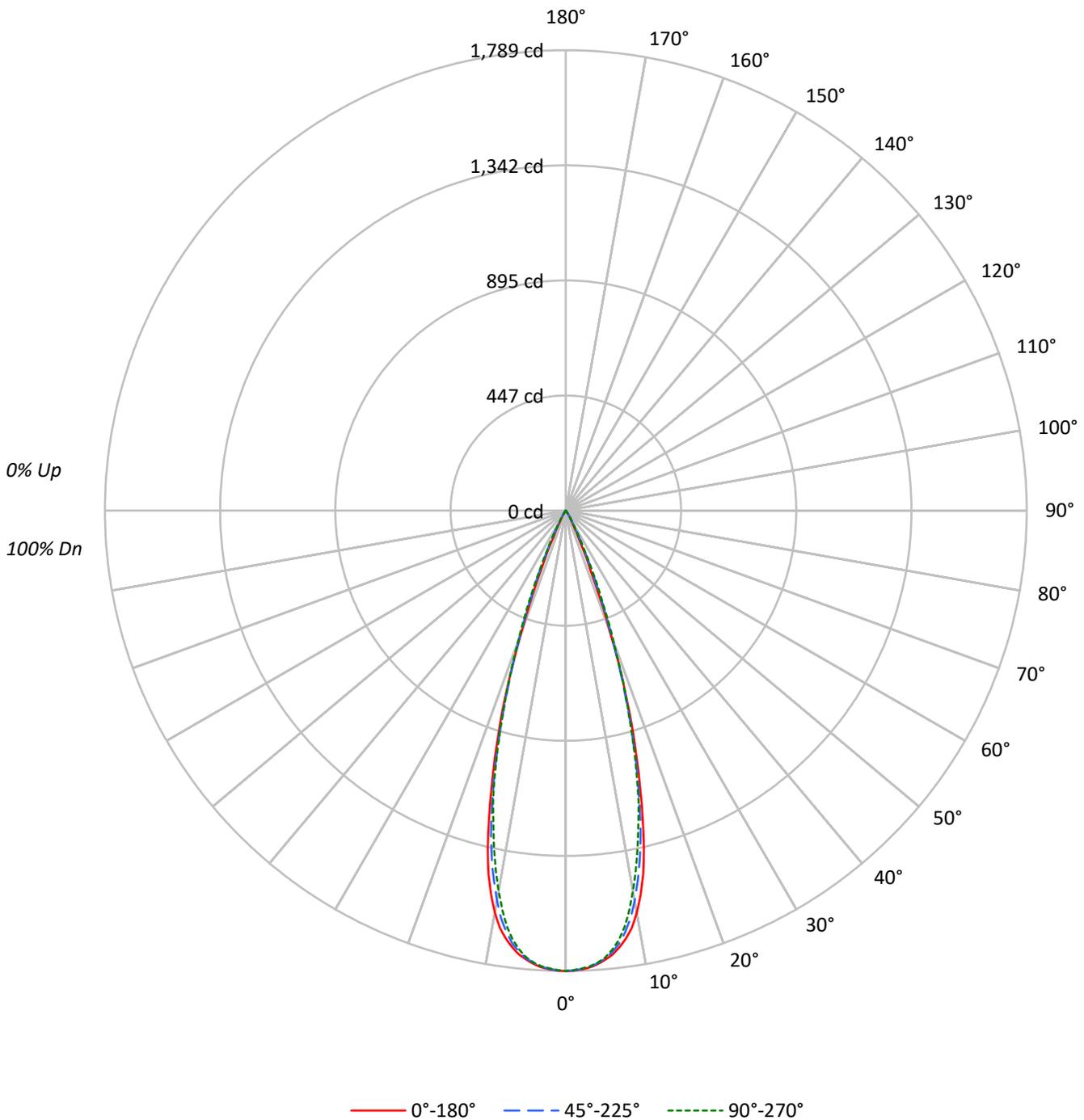
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 543.0 lumens  
Efficiency: N/A  
Efficacy: 75.4 lumens/watt  
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51  
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			
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	99	98
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	96	95
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	94	93	92
3	108	103	100	97	106	102	99	96	99	97	94	97	95	93	95	93	92	91	90	89
4	104	99	95	92	103	98	94	92	96	93	91	94	92	90	93	90	89	87	86	85
5	101	95	91	88	100	95	91	88	93	90	87	92	89	87	90	88	86	85	84	83
6	98	92	88	85	97	91	88	85	90	87	84	89	86	84	88	85	83	82	81	80
7	96	89	85	82	94	89	85	82	87	84	81	86	83	81	85	83	81	80	79	78
8	93	86	82	79	92	86	82	79	85	81	79	84	81	79	83	80	78	77	76	75
9	90	84	80	77	89	83	79	77	82	79	76	82	79	76	81	78	76	75	74	73
10	88	81	77	75	87	81	77	74	80	77	74	80	76	74	79	76	74	73	72	71

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

	0°	45°	90°
0°	308106	308106	308106
5°	302817	302161	301521
10°	277516	269174	262634
15°	198731	192384	190048
20°	92151	95322	98657
25°	21872	31107	32438
30°	6423	7338	8273
35°	1472	2355	2166
40°	315	629	427
45°	122	122	122
50°	134	0	134
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: 0°

Vertical Angle: 52.5°

Luminance: 141 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	160.6	29.6
10°-20°	287.1	52.9
20°-30°	86.4	15.9
30°-40°	8.3	1.5
40°-50°	0.6	0.1
50°-60°	0.0	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°	534.1	98.4
0°-40°	542.4	99.9
0°-60°	543.0	100.0
0°-90°	543.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	543.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1789	1789	1789	1789	1789	
5°	1752	1751	1748	1746	1744	162
15°	1115	1106	1079	1074	1066	294
25°	115	127	164	171	171	74
35°	7	9	11	12	10	6
45°	0	0	0	0	0	1
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°	1789.0	1789.0	1789.0	1789.0	1789.0
1°	1788.1	1788.1	1787.1	1787.1	1785.3
2°	1783.9	1784.3	1782.4	1782.0	1780.6
3°	1777.3	1775.9	1775.9	1775.0	1774.0
4°	1767.0	1764.2	1763.3	1763.7	1761.9
5°	1751.6	1751.1	1747.8	1745.5	1744.1
6°	1734.7	1731.5	1724.5	1718.4	1717.0
7°	1709.5	1702.5	1696.4	1683.8	1681.9
8°	1678.6	1667.4	1654.3	1636.5	1635.6
9°	1640.7	1622.5	1604.3	1580.4	1572.0
10°	1586.9	1570.1	1539.2	1518.2	1501.8
11°	1520.1	1499.0	1463.0	1437.7	1424.2
12°	1444.3	1424.6	1382.6	1359.6	1340.5
13°	1347.0	1330.6	1291.4	1266.1	1251.1
14°	1234.3	1222.1	1184.7	1173.5	1168.3
15°	1114.6	1106.1	1079.0	1074.3	1065.9
17.5°	820.4	806.3	790.9	793.7	796.5
20°	502.8	522.4	520.1	530.4	538.3
22.5°	250.7	275.9	305.4	323.2	332.1
25°	115.1	126.7	163.7	170.7	170.7
27.5°	58.0	60.8	77.2	78.6	82.3
30°	32.3	34.6	36.9	41.2	41.6
32.5°	16.4	19.2	20.1	22.5	21.5
35°	7.0	9.4	11.2	12.2	10.3
37.5°	3.3	4.2	6.1	5.6	4.2
40°	1.4	1.9	2.8	2.3	1.9
42.5°	0.9	0.9	1.4	0.9	0.9
45°	0.5	0.5	0.5	0.5	0.5
47.5°	0.5	0.5	0.0	0.5	0.5
50°	0.5	0.0	0.0	0.0	0.5
52.5°	0.5	0.0	0.0	0.0	0.5
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)