

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: P1307820

Luminaire Tested: LDSQA3D05R359027DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307820
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: LDSQA3D05R359027DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

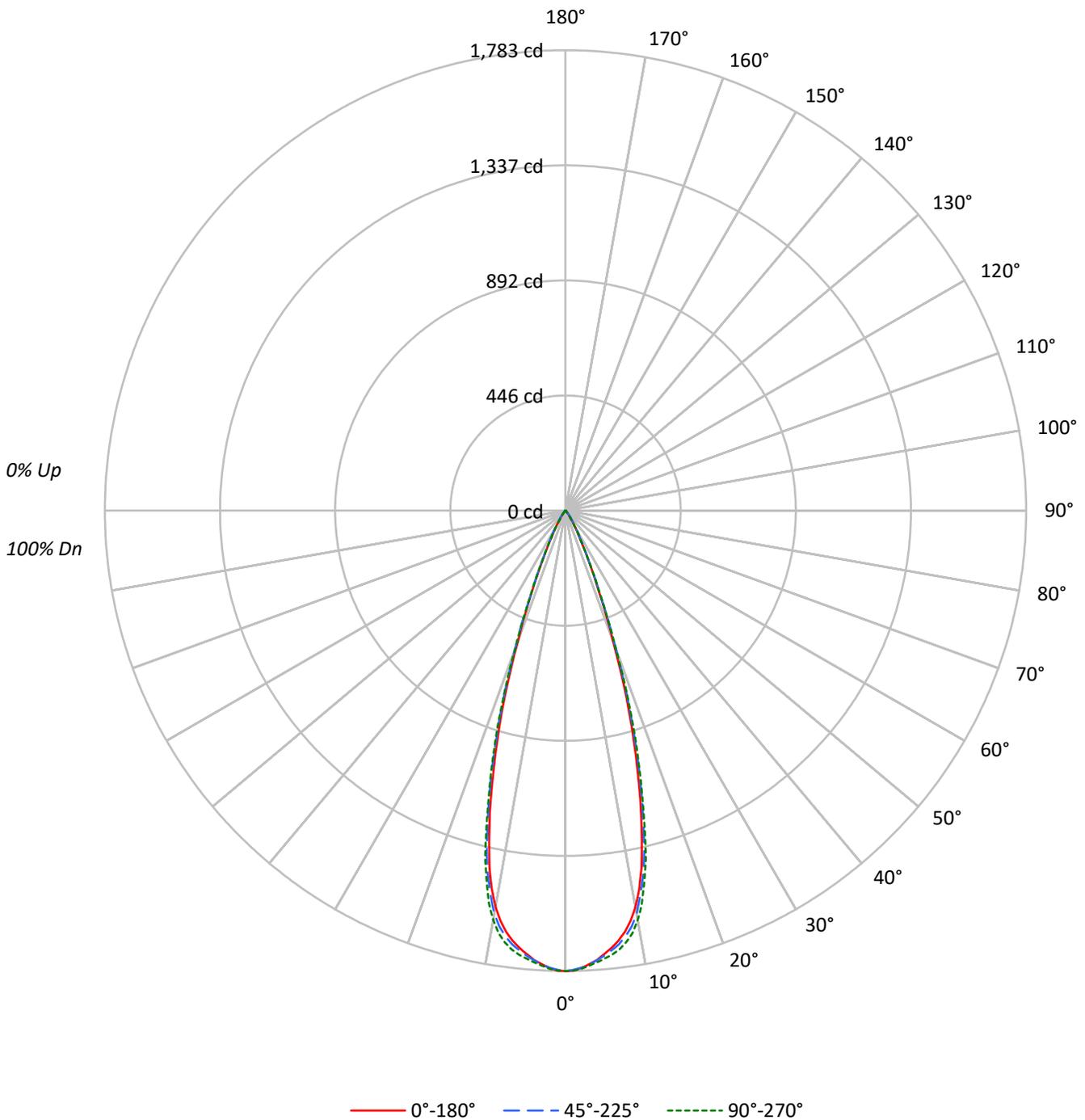
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 599.0 lumens
Efficiency: N/A
Efficacy: 83.2 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): 7.2
Input Voltage (V): NR
Input Current (A_{in}): 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°	307107	307107	307107
5°	298029	299066	301089
10°	272620	277359	281608
15°	195682	202850	204936
20°	98437	104174	104430
25°	37302	38461	38632
30°	15154	17381	14875
35°	5508	8347	5298
40°	2316	3575	2203
45°	560	1486	560
50°	375	616	375
55°	420	420	420
60°	482	482	482
65°	367	367	367
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: 1486 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.2	26.9
10°-20°	300.4	50.1
20°-30°	108.0	18.0
30°-40°	22.7	3.8
40°-50°	3.9	0.7
50°-60°	1.3	0.2
60°-70°	0.9	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°	569.6	95.1
0°-40°	592.3	98.9
0°-60°	597.5	99.7
0°-90°	599.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	599.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1783	1783	1783	1783	1783	
5°	1724	1727	1730	1742	1742	160
15°	1098	1117	1138	1150	1149	292
25°	196	199	202	204	203	104
35°	26	31	40	30	25	20
45°	2	4	6	4	2	3
55°	1	1	1	1	1	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°	1783.2	1783.2	1783.2	1783.2	1783.2
1°	1782.3	1782.3	1778.6	1782.8	1781.4
2°	1772.5	1773.4	1771.1	1776.2	1775.8
3°	1758.9	1761.3	1759.4	1766.9	1764.5
4°	1744.4	1746.3	1745.4	1754.7	1753.8
5°	1723.9	1727.1	1729.9	1741.6	1741.6
6°	1702.8	1706.1	1712.2	1724.8	1729.0
7°	1678.5	1682.7	1692.6	1709.4	1712.2
8°	1647.7	1652.4	1665.9	1684.1	1687.9
9°	1609.3	1616.4	1631.8	1653.8	1656.1
10°	1558.9	1564.5	1586.0	1604.2	1610.3
11°	1493.4	1498.1	1517.3	1546.7	1550.5
12°	1414.0	1419.6	1444.3	1463.5	1467.3
13°	1313.5	1324.2	1354.1	1372.8	1383.1
14°	1210.2	1224.7	1246.2	1272.8	1266.3
15°	1097.5	1116.7	1137.7	1149.9	1149.4
17.5°	821.3	832.5	851.2	858.2	867.5
20°	537.1	551.6	568.4	574.9	569.8
22.5°	333.3	337.0	342.2	345.0	344.0
25°	196.3	199.1	202.4	204.3	203.3
27.5°	118.3	124.8	129.5	123.9	120.6
30°	76.2	79.0	87.4	79.9	74.8
32.5°	45.3	51.9	58.9	50.0	43.5
35°	26.2	30.9	39.7	30.4	25.2
37.5°	16.8	19.2	25.7	18.7	16.4
40°	10.3	13.1	15.9	12.2	9.8
42.5°	5.1	7.9	9.3	7.0	5.1
45°	2.3	3.7	6.1	3.7	2.3
47.5°	1.4	1.9	3.7	1.9	1.4
50°	1.4	1.4	2.3	1.4	1.4
52.5°	1.4	1.4	1.4	1.4	1.4
55°	1.4	1.4	1.4	1.4	1.4
57.5°	1.4	1.4	1.4	1.4	1.4
60°	1.4	1.4	1.4	1.4	1.4
62.5°	0.9	0.9	0.9	0.9	0.9
65°	0.9	0.9	0.9	0.9	0.9
67.5°	0.9	0.9	0.9	0.9	0.9
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)