

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: P1315627

Luminaire Tested: LDSQA3D13R309735DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315627
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R309735DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 97CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

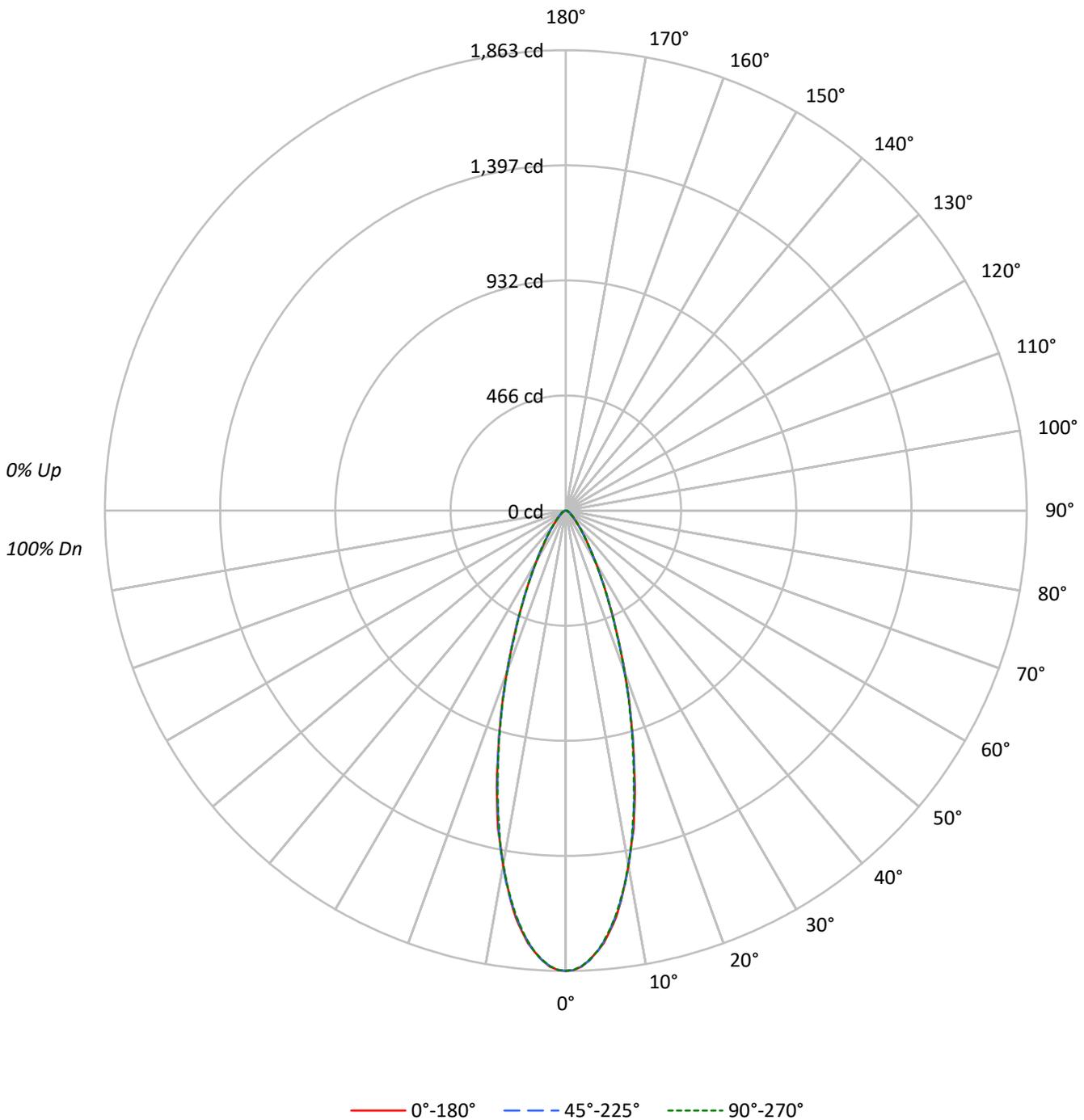
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 818.0 lumens
Efficiency: N/A
Efficacy: 56.0 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	96	96	96	94
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	90	90	90	90	88
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	84	84	84	83
4	99	92	87	83	97	91	86	82	89	84	81	87	83	80	85	82	79	79	79	79	78
5	95	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	75	75	75	74
6	90	82	77	73	89	82	76	73	80	76	72	79	75	72	77	74	71	71	71	71	70
7	87	78	73	69	86	78	72	69	76	72	68	75	71	68	74	71	68	68	68	68	66
8	83	75	69	66	82	74	69	65	73	68	65	72	68	65	71	67	65	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	65	62	62	62	62	61
10	77	68	63	60	76	68	63	60	67	63	59	66	62	59	66	62	59	59	59	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	320782	320782	320782
5°	303699	302921	302766
10°	255132	255132	254187
15°	190083	189602	188479
20°	127230	126570	126735
25°	78424	78253	78595
30°	47151	47151	47330
35°	28930	28930	29119
40°	18323	18323	18728
45°	12568	12787	12787
50°	9217	9217	9217
55°	7056	7326	7326
60°	5924	5924	6234
65°	5175	5175	5175
70°	4582	5035	5035
75°	4192	4192	4192
80°	3570	3570	3570
85°	1778	1778	1778

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 12787 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.9	19.3
10°-20°	291.5	35.6
20°-30°	193.8	23.7
30°-40°	89.6	11.0
40°-50°	41.6	5.1
50°-60°	22.2	2.7
60°-70°	13.0	1.6
70°-80°	6.8	0.8
80°-90°	1.5	0.2
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°	643.3	78.6
0°-40°	732.9	89.6
0°-60°	796.7	97.4
0°-90°	818.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	818.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1863	1863	1863	1863	1863	
5°	1757	1753	1752	1757	1751	158
15°	1066	1070	1063	1063	1057	292
25°	413	412	412	412	414	194
35°	138	137	138	138	138	89
45°	52	52	52	52	52	41
55°	24	24	24	24	24	22
65°	13	13	13	13	13	13
75°	6	6	6	6	6	7
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°	1862.6	1862.6	1862.6	1862.6	1862.6
1°	1859.0	1857.2	1859.0	1861.7	1858.1
2°	1846.3	1844.5	1844.5	1848.1	1844.5
3°	1821.9	1823.7	1822.8	1826.4	1820.1
4°	1791.1	1790.2	1793.8	1795.6	1790.2
5°	1756.7	1753.1	1752.2	1756.7	1751.3
6°	1709.6	1706.9	1705.1	1710.5	1703.3
7°	1659.0	1657.1	1654.4	1656.2	1650.8
8°	1596.5	1595.6	1593.8	1595.6	1589.3
9°	1526.8	1526.8	1530.4	1529.5	1525.9
10°	1458.9	1460.7	1458.9	1460.7	1453.5
11°	1382.9	1382.9	1384.7	1383.8	1384.7
12°	1316.8	1309.6	1307.8	1306.0	1300.6
13°	1231.8	1226.3	1224.5	1226.3	1223.6
14°	1153.9	1150.3	1141.3	1143.1	1139.5
15°	1066.1	1069.8	1063.4	1063.4	1057.1
17.5°	871.6	867.9	869.8	870.7	867.9
20°	694.2	692.4	690.6	688.7	691.5
22.5°	539.4	540.3	538.5	536.7	534.9
25°	412.7	411.8	411.8	411.8	413.6
27.5°	313.1	313.1	313.1	314.1	314.1
30°	237.1	235.3	237.1	238.0	238.0
32.5°	177.4	179.2	180.1	180.1	180.1
35°	137.6	136.7	137.6	138.5	138.5
37.5°	105.0	105.0	105.9	105.9	106.8
40°	81.5	81.5	81.5	82.4	83.3
42.5°	64.3	64.3	65.2	65.2	66.1
45°	51.6	51.6	52.5	52.5	52.5
47.5°	41.6	41.6	42.5	42.5	42.5
50°	34.4	34.4	34.4	34.4	34.4
52.5°	29.0	28.1	29.0	29.0	29.0
55°	23.5	24.4	24.4	24.4	24.4
57.5°	19.9	20.8	20.8	20.8	20.8
60°	17.2	17.2	17.2	18.1	18.1
62.5°	14.5	15.4	15.4	15.4	15.4
65°	12.7	12.7	12.7	12.7	12.7
67.5°	10.9	10.9	10.9	10.9	11.8
70°	9.1	9.1	10.0	10.0	10.0
72.5°	8.1	8.1	8.1	8.1	8.1
75°	6.3	6.3	6.3	6.3	6.3
77.5°	4.5	4.5	5.4	5.4	4.5
80°	3.6	3.6	3.6	3.6	3.6
82.5°	2.7	2.7	2.7	2.7	2.7
85°	0.9	0.9	0.9	0.9	0.9
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)