

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: P1307160

Luminaire Tested: LDSQA3D13R309024DE010 3LSQPHRL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307160
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: LDSQA3D13R309024DE010 3LSQPHRL1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , 3LSQPHRL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

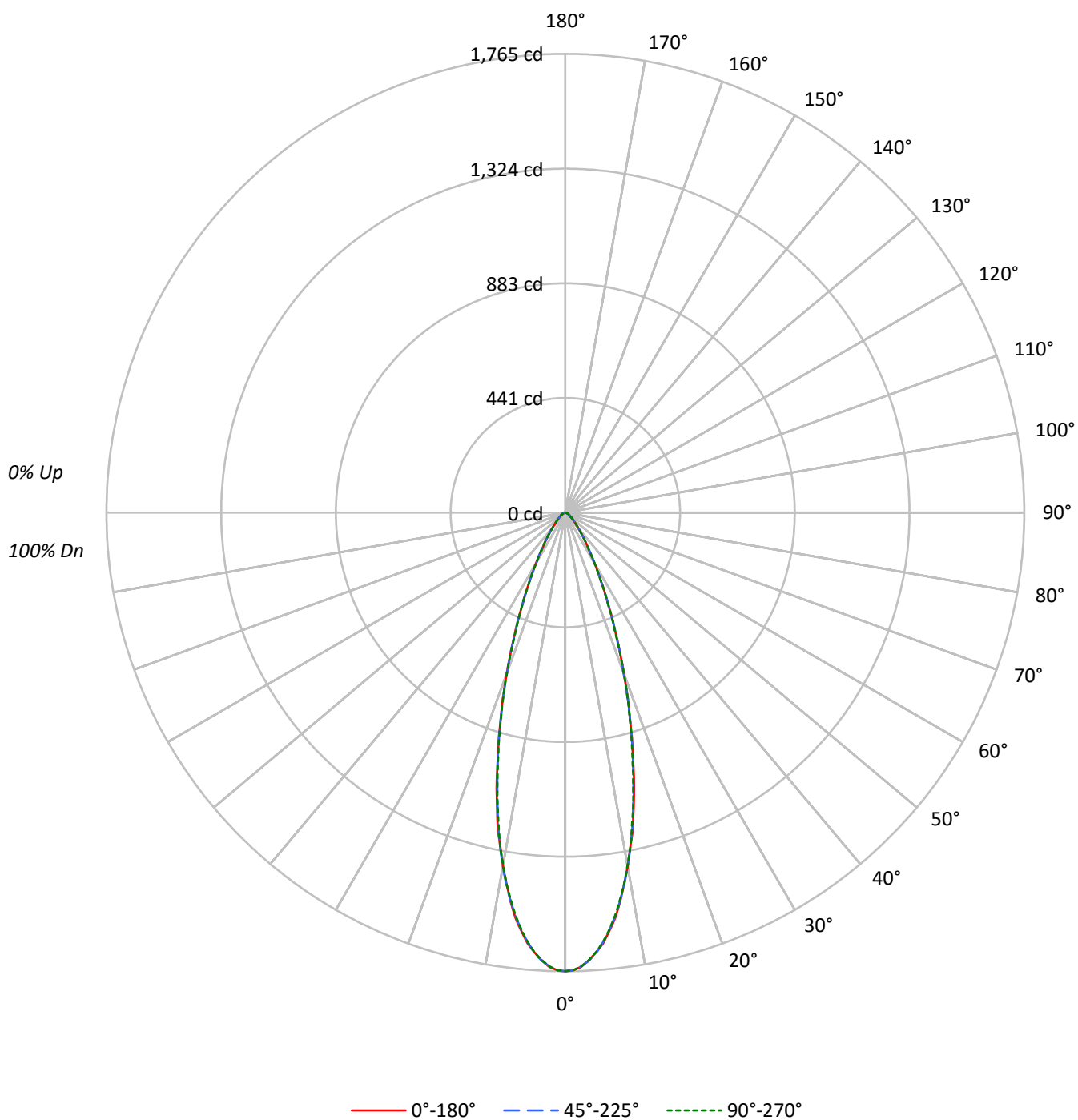
Lumens per Lamp: N/A
Luminaire Lumens: 775.0 lumens
Efficiency: N/A
Efficacy: 53.1 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
Input Voltage (V): NR
Input Current (Ain): 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
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		
1	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94		
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	90	88		
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	83		
4	99	92	87	83	97	91	86	82	89	84	81	87	83	80	85	82	79	78		
5	95	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	74		
6	90	82	77	73	89	82	76	73	80	76	72	79	75	72	77	74	71	70		
7	87	78	73	69	86	78	72	69	76	72	68	75	71	68	74	71	68	66		
8	83	75	69	66	82	74	69	65	73	68	65	72	68	65	71	67	65	63		
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	65	62	61		
10	77	68	63	60	76	68	63	60	67	63	59	66	62	59	66	62	59	58		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	303921	303921	303921
5°	287742	286999	286843
10°	241718	241718	240826
15°	180099	179635	178565
20°	120540	119917	120064
25°	74300	74129	74471
30°	44685	44685	44844
35°	27395	27395	27584
40°	17356	17356	17738
45°	11910	12105	12105
50°	8735	8735	8735
55°	6696	6966	6966
60°	5614	5614	5890
65°	4890	4890	4890
70°	4330	4733	4733
75°	3993	3993	3993
80°	3372	3372	3372
85°	1778	1778	1778

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 12105 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.6	19.3
10°-20°	276.2	35.6
20°-30°	183.6	23.7
30°-40°	84.9	11.0
40°-50°	39.4	5.1
50°-60°	21.1	2.7
60°-70°	12.3	1.6
70°-80°	6.5	0.8
80°-90°	1.4	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°	609.4	78.6
0°-40°	694.3	89.6
0°-60°	754.8	97.4
0°-90°	775.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	775.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1765	1765	1765	1765	1765	
5°	1664	1661	1660	1664	1659	150
15°	1010	1014	1008	1008	1002	277
25°	391	390	390	390	392	184
35°	130	130	130	131	131	84
45°	49	49	50	50	50	39
55°	22	23	23	23	23	21
65°	12	12	12	12	12	12
75°	6	6	6	6	6	6
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°	1764.7	1764.7	1764.7	1764.7	1764.7
1°	1761.2	1759.5	1761.2	1763.8	1760.4
2°	1749.2	1747.5	1747.5	1751.0	1747.5
3°	1726.1	1727.8	1726.9	1730.4	1724.4
4°	1696.9	1696.1	1699.5	1701.2	1696.1
5°	1664.4	1660.9	1660.1	1664.4	1659.2
6°	1619.8	1617.2	1615.5	1620.6	1613.8
7°	1571.7	1570.0	1567.5	1569.2	1564.0
8°	1512.6	1511.7	1510.0	1511.7	1505.7
9°	1446.6	1446.6	1450.0	1449.1	1445.7
10°	1382.2	1384.0	1382.2	1384.0	1377.1
11°	1310.2	1310.2	1311.9	1311.1	1311.9
12°	1247.6	1240.8	1239.0	1237.3	1232.2
13°	1167.0	1161.9	1160.2	1161.9	1159.3
14°	1093.3	1089.8	1081.3	1083.0	1079.6
15°	1010.1	1013.5	1007.5	1007.5	1001.5
17.5°	825.7	822.3	824.0	824.9	822.3
20°	657.7	656.0	654.3	652.5	655.1
22.5°	511.1	511.9	510.2	508.5	506.8
25°	391.0	390.1	390.1	390.1	391.9
27.5°	296.7	296.7	296.7	297.5	297.5
30°	224.7	222.9	224.7	225.5	225.5
32.5°	168.1	169.8	170.6	170.6	170.6
35°	130.3	129.5	130.3	131.2	131.2
37.5°	99.5	99.5	100.3	100.3	101.2
40°	77.2	77.2	77.2	78.0	78.9
42.5°	60.9	60.9	61.7	61.7	62.6
45°	48.9	48.9	49.7	49.7	49.7
47.5°	39.4	39.4	40.3	40.3	40.3
50°	32.6	32.6	32.6	32.6	32.6
52.5°	27.4	26.6	27.4	27.4	27.4
55°	22.3	23.2	23.2	23.2	23.2
57.5°	18.9	19.7	19.7	19.7	19.7
60°	16.3	16.3	16.3	17.1	17.1
62.5°	13.7	14.6	14.6	14.6	14.6
65°	12.0	12.0	12.0	12.0	12.0
67.5°	10.3	10.3	10.3	10.3	11.1
70°	8.6	8.6	9.4	9.4	9.4
72.5°	7.7	7.7	7.7	7.7	7.7
75°	6.0	6.0	6.0	6.0	6.0
77.5°	4.3	4.3	5.1	5.1	4.3
80°	3.4	3.4	3.4	3.4	3.4
82.5°	2.6	2.6	2.6	2.6	2.6
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)