

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: P1312720

Luminaire Tested: LDSQA3D17R309050DE010 3LSQPHRL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312720
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: LDSQA3D17R309050DE010 3LSQPHRL1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 5000K CCT AND, 90CRI , 3LSQPHRL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

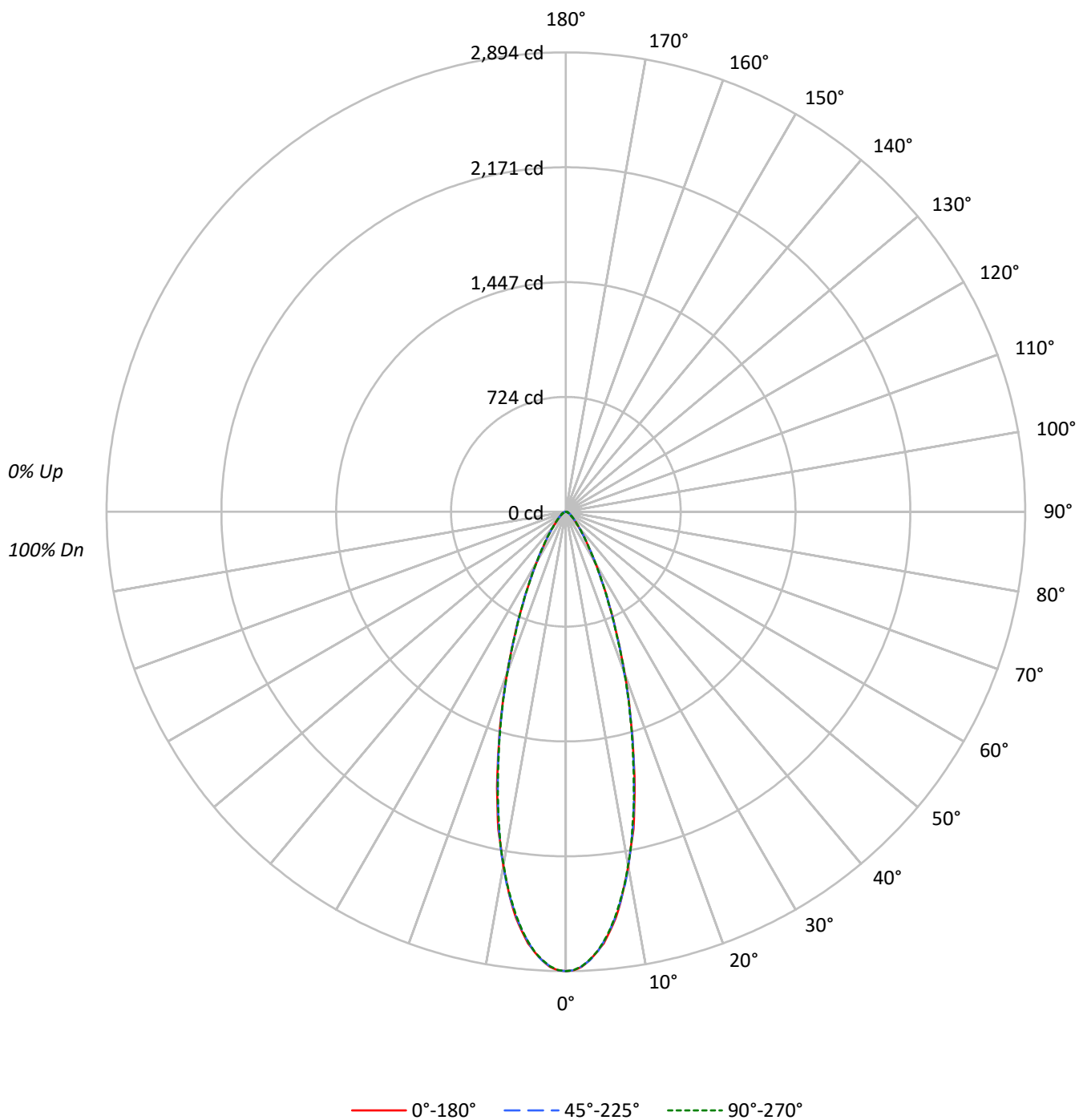
Lumens per Lamp: N/A
Luminaire Lumens: 1271.0 lumens
Efficiency: N/A
Efficacy: 60.0 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	111	109	106	111	109	107	105	105	103	101		101	100	98		98
2	108	104	100	97	106	102	98	95	99	96	93		96	93	91		93
3	103	97	93	89	101	96	92	88	93	90	87		91	88	85		89
4	99	92	87	83	97	91	86	82	89	84	81		87	83	80		85
5	95	87	81	77	93	86	81	77	84	80	76		82	79	76		81
6	90	82	77	73	89	82	76	73	80	76	72		79	75	72		77
7	87	78	73	69	86	78	72	69	76	72	68		75	71	68		74
8	83	75	69	66	82	74	69	65	73	68	65		72	68	65		71
9	80	71	66	62	79	71	66	62	70	65	62		69	65	62		68
10	77	68	63	60	76	68	63	60	67	63	59		66	62	59		66

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	498430	498430	498430
5°	471877	470667	470425
10°	396434	396434	394948
15°	295368	294602	292854
20°	197681	196655	196911
25°	121864	121579	122130
30°	73262	73262	73540
35°	44950	44950	45245
40°	28462	28462	29092
45°	19533	19874	19874
50°	14308	14308	14308
55°	10990	11410	11410
60°	9197	9197	9679
65°	8028	8028	8028
70°	7100	7805	7805
75°	6521	6521	6521
80°	5554	5554	5554
85°	2766	2766	2766

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 19874 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	245.3	19.3
10°-20°	453.0	35.6
20°-30°	301.1	23.7
30°-40°	139.2	11.0
40°-50°	64.7	5.1
50°-60°	34.5	2.7
60°-70°	20.2	1.6
70°-80°	10.7	0.8
80°-90°	2.3	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°	999.5	78.6
0°-40°	1138.7	89.6
0°-60°	1237.9	97.4
0°-90°	1271.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1271.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2894	2894	2894	2894	2894	
5°	2730	2724	2722	2730	2721	245
15°	1657	1662	1652	1652	1642	454
25°	641	640	640	640	643	302
35°	214	212	214	215	215	138
45°	80	80	82	82	82	64
55°	37	38	38	38	38	34
65°	20	20	20	20	20	20
75°	10	10	10	10	10	10
85°	1	1	1	1	1	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2894.1	2894.1	2894.1	2894.1	2894.1
1°	2888.4	2885.6	2888.4	2892.7	2887.0
2°	2868.8	2865.9	2865.9	2871.6	2865.9
3°	2830.8	2833.6	2832.2	2837.8	2828.0
4°	2783.0	2781.6	2787.2	2790.0	2781.6
5°	2729.5	2723.9	2722.5	2729.5	2721.1
6°	2656.4	2652.2	2649.4	2657.8	2646.6
7°	2577.7	2574.9	2570.6	2573.4	2565.0
8°	2480.6	2479.2	2476.4	2479.2	2469.4
9°	2372.4	2372.4	2378.0	2376.6	2370.9
10°	2266.9	2269.7	2266.9	2269.7	2258.4
11°	2148.8	2148.8	2151.6	2150.2	2151.6
12°	2046.1	2034.8	2032.0	2029.2	2020.8
13°	1913.9	1905.5	1902.7	1905.5	1901.3
14°	1793.0	1787.3	1773.3	1776.1	1770.5
15°	1656.6	1662.2	1652.3	1652.3	1642.5
17.5°	1354.2	1348.6	1351.4	1352.8	1348.6
20°	1078.6	1075.8	1073.0	1070.2	1074.4
22.5°	838.1	839.5	836.7	833.9	831.1
25°	641.3	639.8	639.8	639.8	642.7
27.5°	486.6	486.6	486.6	488.0	488.0
30°	368.4	365.6	368.4	369.8	369.8
32.5°	275.6	278.4	279.8	279.8	279.8
35°	213.8	212.3	213.8	215.2	215.2
37.5°	163.1	163.1	164.5	164.5	165.9
40°	126.6	126.6	126.6	128.0	129.4
42.5°	99.8	99.8	101.3	101.3	102.7
45°	80.2	80.2	81.6	81.6	81.6
47.5°	64.7	64.7	66.1	66.1	66.1
50°	53.4	53.4	53.4	53.4	53.4
52.5°	45.0	43.6	45.0	45.0	45.0
55°	36.6	38.0	38.0	38.0	38.0
57.5°	30.9	32.3	32.3	32.3	32.3
60°	26.7	26.7	26.7	28.1	28.1
62.5°	22.5	23.9	23.9	23.9	23.9
65°	19.7	19.7	19.7	19.7	19.7
67.5°	16.9	16.9	16.9	16.9	18.3
70°	14.1	14.1	15.5	15.5	15.5
72.5°	12.7	12.7	12.7	12.7	12.7
75°	9.8	9.8	9.8	9.8	9.8
77.5°	7.0	7.0	8.4	8.4	7.0
80°	5.6	5.6	5.6	5.6	5.6
82.5°	4.2	4.2	4.2	4.2	4.2
85°	1.4	1.4	1.4	1.4	1.4
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)