

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: P1310510

Luminaire Tested: LDSQA3D17R259035DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310510
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R259035DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 90CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

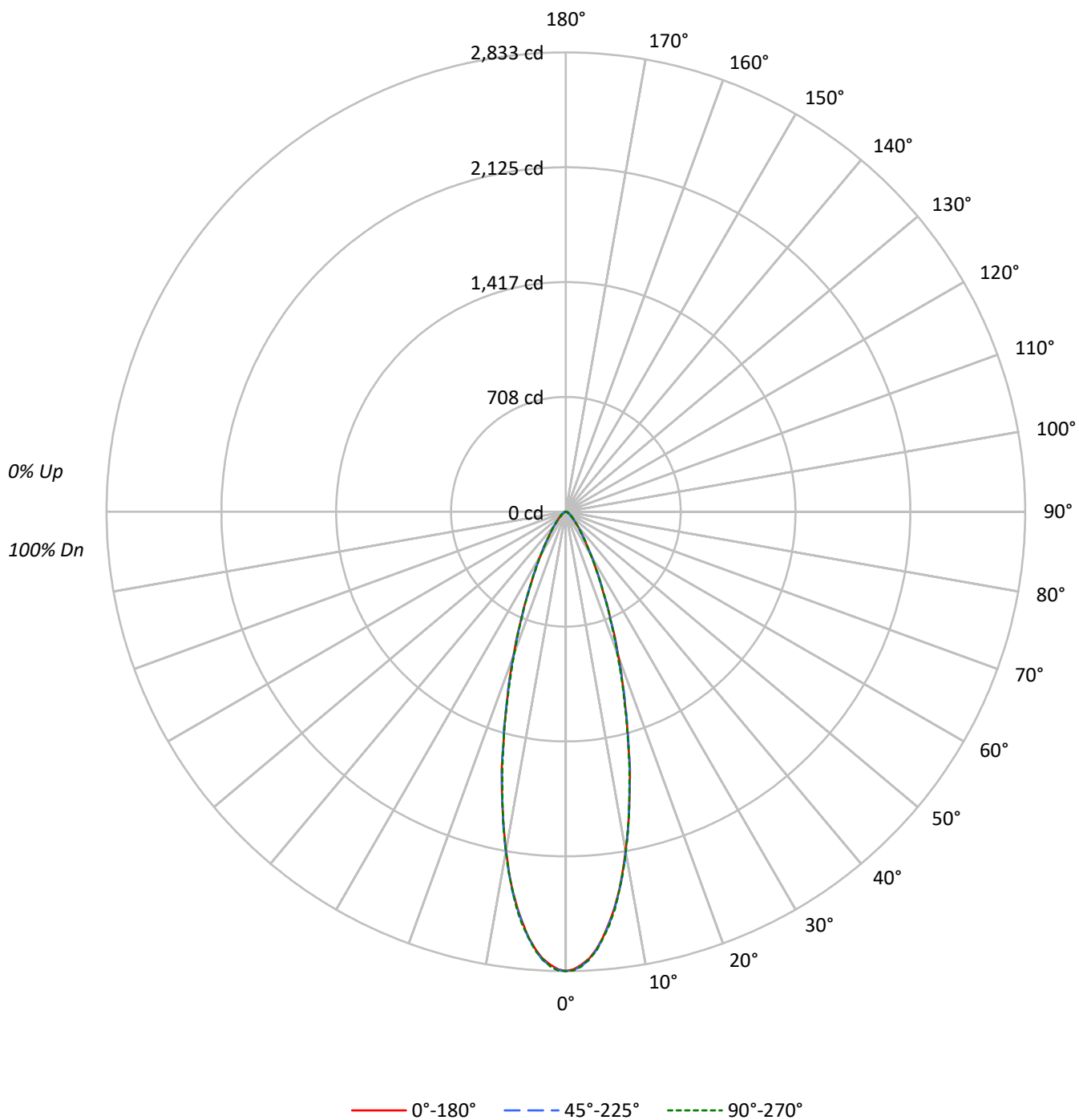
Lumens per Lamp: N/A
Luminaire Lumens: 1134.9 lumens
Efficiency: N/A
Efficacy: 53.5 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85
5	95	87	82	78	93	86	81	78	85	80	77		83	79	76		82
6	91	83	78	74	90	82	77	73	81	76	73		79	76	73		78
7	87	79	74	70	86	78	73	70	77	73	69		76	72	69		75
8	84	76	70	67	83	75	70	66	74	69	66		73	69	66		72
9	81	72	67	64	80	72	67	63	71	66	63		70	66	63		69
10	78	69	64	61	77	69	64	61	68	64	61		67	63	60		67

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	487855	487855	487855
5°	455350	455817	456041
10°	371409	372563	372563
15°	265290	266698	265290
20°	173617	171912	169493
25°	103222	103736	103222
30°	62185	62185	61927
35°	37886	38159	37886
40°	24123	24416	24416
45°	16781	16781	16781
50°	12057	12432	12432
55°	9548	9548	9939
60°	7750	8198	8198
65°	7009	7009	7009
70°	5992	5992	6647
75°	5257	5257	6188
80°	5256	5256	5256
85°	2569	2569	2569

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 16781 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	235.4	20.7
10°-20°	410.3	36.2
20°-30°	257.9	22.7
30°-40°	118.0	10.4
40°-50°	55.1	4.9
50°-60°	29.6	2.6
60°-70°	17.5	1.5
70°-80°	9.1	0.8
80°-90°	2.0	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°	903.7	79.6
0°-40°	1021.6	90.0
0°-60°	1106.4	97.5
0°-90°	1134.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1134.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2833	2833	2833	2833	2833	
5°	2634	2639	2637	2639	2638	235
15°	1488	1497	1496	1498	1488	410
25°	543	550	546	546	543	258
35°	180	180	182	182	180	118
45°	69	69	69	69	69	55
55°	32	32	32	33	33	29
65°	17	17	17	17	17	17
75°	8	8	8	9	9	9
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°	2832.7	2832.7	2832.7	2832.7	2832.7
1°	2820.7	2823.4	2826.0	2830.0	2828.7
2°	2794.2	2799.5	2800.9	2806.2	2804.8
3°	2758.5	2757.1	2767.7	2767.7	2761.1
4°	2702.8	2705.5	2708.1	2710.8	2712.1
5°	2633.9	2639.2	2636.6	2639.2	2637.9
6°	2549.1	2557.1	2555.7	2558.4	2562.4
7°	2459.0	2464.3	2464.3	2461.7	2472.3
8°	2361.0	2357.0	2363.6	2361.0	2359.7
9°	2244.4	2252.3	2253.7	2247.0	2249.7
10°	2123.8	2129.1	2130.4	2134.4	2130.4
11°	2004.6	2004.6	2007.2	2013.9	2003.3
12°	1874.7	1886.7	1874.7	1880.0	1874.7
13°	1751.5	1754.2	1751.5	1750.2	1740.9
14°	1634.9	1625.7	1628.3	1617.7	1619.0
15°	1487.9	1497.1	1495.8	1498.5	1487.9
17.5°	1196.4	1201.7	1200.4	1197.7	1184.5
20°	947.3	947.3	938.0	932.7	924.8
22.5°	723.4	720.7	716.8	712.8	715.4
25°	543.2	549.8	545.9	545.9	543.2
27.5°	410.7	418.7	412.0	408.1	410.7
30°	312.7	315.3	312.7	311.4	311.4
32.5°	235.8	237.2	235.8	235.8	235.8
35°	180.2	180.2	181.5	181.5	180.2
37.5°	139.1	139.1	139.1	139.1	140.4
40°	107.3	108.6	108.6	108.6	108.6
42.5°	84.8	86.1	86.1	86.1	86.1
45°	68.9	68.9	68.9	68.9	68.9
47.5°	55.6	55.6	55.6	55.6	57.0
50°	45.0	46.4	46.4	46.4	46.4
52.5°	38.4	38.4	38.4	38.4	38.4
55°	31.8	31.8	31.8	33.1	33.1
57.5°	26.5	26.5	27.8	27.8	27.8
60°	22.5	23.8	23.8	23.8	23.8
62.5°	19.9	19.9	21.2	21.2	21.2
65°	17.2	17.2	17.2	17.2	17.2
67.5°	14.6	14.6	14.6	14.6	15.9
70°	11.9	11.9	11.9	13.2	13.2
72.5°	10.6	10.6	10.6	10.6	10.6
75°	7.9	7.9	7.9	9.3	9.3
77.5°	6.6	6.6	6.6	6.6	6.6
80°	5.3	5.3	5.3	5.3	5.3
82.5°	2.6	2.6	4.0	4.0	4.0
85°	1.3	1.3	1.3	1.3	1.3
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)