

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: P1312046

Luminaire Tested: LDSQA3D02R159050DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312046
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R159050DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 5000K CCT AND, 90CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

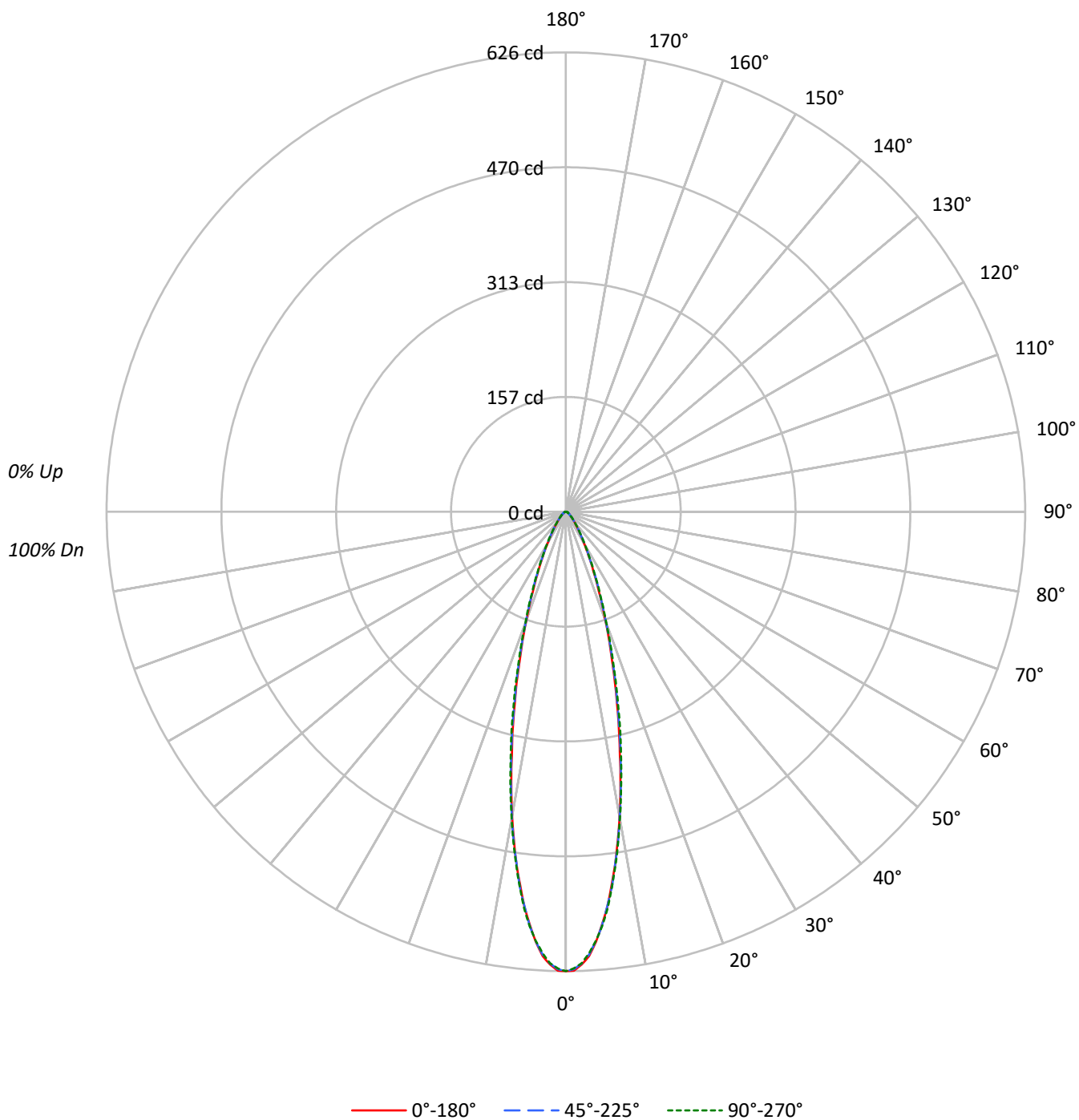
Lumens per Lamp: N/A
Luminaire Lumens: 207.0 lumens
Efficiency: N/A
Efficacy: 57.5 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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
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	101	97	107	103	99	96	99	97	94		97	94	92		94
3	104	98	94	90	102	97	93	89	94	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	85	82		86
5	96	88	83	79	94	87	83	79	86	82	78		84	80	78		83
6	92	84	79	75	91	83	78	75	82	78	74		81	77	74		79
7	88	80	75	71	87	80	75	71	79	74	71		77	73	71		76
8	85	77	72	68	84	76	72	68	75	71	68		74	70	68		74
9	82	74	69	65	81	73	69	65	73	68	65		72	68	65		71
10	79	71	66	63	78	71	66	63	70	66	63		69	65	62		69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	107811	107811	107811
5°	97643	97833	97971
10°	73729	73904	74271
15°	47820	48337	49282
20°	28793	29122	29526
25°	16817	17178	17425
30°	9884	10202	10361
35°	6097	6307	6433
40°	4002	4114	4182
45°	2777	2850	2923
50°	2063	2143	2197
55°	1681	1742	1742
60°	1481	1481	1481
65°	1304	1304	1304
70°	1057	1209	1209
75°	1065	1065	1065
80°	793	1091	1091
85°	593	593	593

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 2923 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.3	23.8
10°-20°	75.4	36.4
20°-30°	42.8	20.7
30°-40°	19.6	9.4
40°-50°	9.4	4.5
50°-60°	5.2	2.5
60°-70°	3.2	1.6
70°-80°	1.7	0.8
80°-90°	0.4	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°	167.5	80.9
0°-40°	187.1	90.4
0°-60°	201.7	97.4
0°-90°	207.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	207.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	626	626	626	626	626	
5°	565	565	566	566	567	49
15°	268	270	271	275	276	74
25°	88	88	90	91	92	42
35°	29	30	30	31	31	19
45°	11	11	12	12	12	9
55°	6	6	6	6	6	5
65°	3	3	3	3	3	3
75°	2	2	2	2	2	2
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°	626.0	626.0	626.0	626.0	626.0
1°	625.4	623.8	623.3	623.0	622.5
2°	617.4	616.1	615.9	615.9	615.6
3°	606.3	603.9	604.2	603.4	602.6
4°	587.4	586.4	586.9	587.4	586.4
5°	564.8	564.6	565.9	565.9	566.7
6°	541.4	541.2	540.4	542.5	543.6
7°	511.7	513.3	515.4	514.3	515.1
8°	484.5	482.7	483.5	486.1	486.4
9°	452.7	451.3	454.8	455.8	456.1
10°	421.6	422.9	422.6	426.3	424.7
12.5°	340.5	342.6	345.0	346.6	348.2
15°	268.2	269.5	271.1	274.8	276.4
17.5°	206.3	207.9	209.4	212.6	213.2
20°	157.1	157.9	158.9	161.9	161.1
22.5°	117.5	118.8	119.9	121.2	122.0
25°	88.5	88.5	90.4	91.2	91.7
27.5°	65.9	66.4	67.8	68.8	68.6
30°	49.7	50.5	51.3	51.8	52.1
32.5°	38.3	38.3	39.1	39.9	40.1
35°	29.0	29.5	30.0	30.6	30.6
37.5°	22.6	22.9	23.4	23.7	23.7
40°	17.8	17.8	18.3	18.6	18.6
42.5°	14.1	14.4	14.6	14.9	14.9
45°	11.4	11.4	11.7	12.0	12.0
47.5°	9.3	9.3	9.6	9.8	9.8
50°	7.7	8.0	8.0	8.2	8.2
52.5°	6.6	6.6	6.6	6.9	6.9
55°	5.6	5.6	5.8	5.8	5.8
57.5°	4.8	4.8	4.8	5.1	5.1
60°	4.3	4.3	4.3	4.3	4.3
62.5°	3.7	3.7	3.7	3.7	3.7
65°	3.2	3.2	3.2	3.2	3.2
67.5°	2.7	2.7	2.7	2.9	2.9
70°	2.1	2.4	2.4	2.4	2.4
72.5°	1.9	1.9	1.9	1.9	1.9
75°	1.6	1.6	1.6	1.6	1.6
77.5°	1.3	1.3	1.3	1.3	1.3
80°	0.8	1.1	1.1	1.1	1.1
82.5°	0.5	0.5	0.5	0.5	0.5
85°	0.3	0.3	0.3	0.3	0.3
87.5°	0.0	0.0	0.0	0.0	0.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)