

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: P1313142

Luminaire Tested: LDSQA3D02R159727DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313142
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: LDSQA3D02R159727DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 97CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

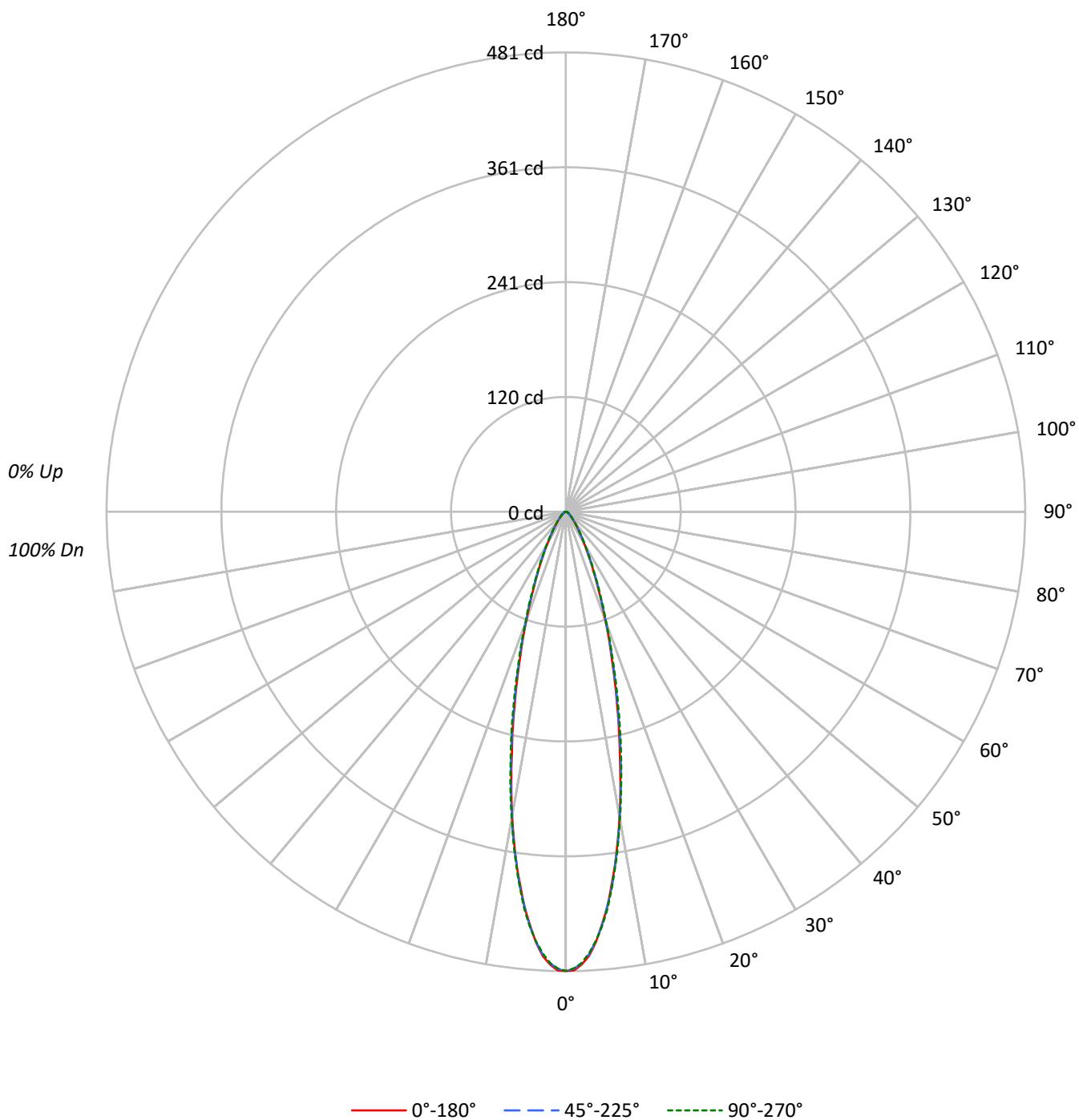
Lumens per Lamp: N/A
Luminaire Lumens: 159.0 lumens
Efficiency: N/A
Efficacy: 44.2 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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					0
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	102	102	100
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	96	96	94
2	109	104	101	97	107	103	99	96	99	97	94	97	94	92	94	92	90	90	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	85	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	81	81	80
5	96	88	83	79	94	87	83	79	86	82	78	84	81	78	83	80	77	77	77	76
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	73	73	72
7	88	80	75	72	87	80	75	71	79	74	71	77	74	71	76	73	70	70	70	69
8	85	77	72	68	84	76	72	68	75	71	68	74	71	68	74	70	67	67	67	66
9	82	74	69	65	81	73	69	65	73	68	65	72	68	65	71	67	65	65	65	64
10	79	71	66	63	78	71	66	63	70	66	63	69	65	62	69	65	62	62	62	61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	82805	82805	82805
5°	74996	75151	75255
10°	56626	56766	57063
15°	36729	37122	37853
20°	22121	22378	22671
25°	12922	13188	13378
30°	7597	7835	7955
35°	4688	4857	4941
40°	3080	3170	3215
45°	2143	2192	2241
50°	1581	1634	1688
55°	1291	1351	1351
60°	1137	1137	1137
65°	978	978	978
70°	806	906	906
75°	799	799	799
80°	595	793	793
85°	395	395	395

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 2241 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.9	23.8
10°-20°	57.9	36.4
20°-30°	32.9	20.7
30°-40°	15.0	9.5
40°-50°	7.2	4.5
50°-60°	4.0	2.5
60°-70°	2.4	1.5
70°-80°	1.3	0.8
80°-90°	0.3	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°	128.7	81.0
0°-40°	143.7	90.4
0°-60°	155.0	97.5
0°-90°	159.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	159.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	481	481	481	481	481	
5°	434	434	435	435	435	38
15°	206	207	208	211	212	57
25°	68	68	69	70	70	32
35°	22	23	23	24	24	15
45°	9	9	9	9	9	7
55°	4	4	4	4	4	4
65°	2	2	2	2	2	2
75°	1	1	1	1	1	1
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°	480.8	480.8	480.8	480.8	480.8
1°	480.4	479.2	478.8	478.6	478.2
2°	474.3	473.3	473.0	473.0	472.8
3°	465.7	463.9	464.1	463.5	462.8
4°	451.2	450.4	450.8	451.2	450.4
5°	433.8	433.6	434.7	434.7	435.3
6°	415.9	415.7	415.1	416.7	417.5
7°	393.0	394.2	395.9	395.1	395.7
8°	372.2	370.8	371.4	373.4	373.6
9°	347.7	346.7	349.3	350.1	350.3
10°	323.8	324.8	324.6	327.5	326.3
12.5°	261.5	263.2	265.0	266.2	267.5
15°	206.0	207.0	208.2	211.1	212.3
17.5°	158.4	159.7	160.9	163.3	163.7
20°	120.7	121.3	122.1	124.3	123.7
22.5°	90.2	91.3	92.1	93.1	93.7
25°	68.0	68.0	69.4	70.0	70.4
27.5°	50.6	51.0	52.1	52.9	52.7
30°	38.2	38.8	39.4	39.8	40.0
32.5°	29.4	29.4	30.0	30.6	30.8
35°	22.3	22.7	23.1	23.5	23.5
37.5°	17.4	17.6	18.0	18.2	18.2
40°	13.7	13.7	14.1	14.3	14.3
42.5°	10.8	11.0	11.2	11.4	11.4
45°	8.8	8.8	9.0	9.2	9.2
47.5°	7.1	7.1	7.3	7.6	7.6
50°	5.9	6.1	6.1	6.3	6.3
52.5°	5.1	5.1	5.1	5.3	5.3
55°	4.3	4.3	4.5	4.5	4.5
57.5°	3.7	3.7	3.7	3.9	3.9
60°	3.3	3.3	3.3	3.3	3.3
62.5°	2.9	2.9	2.9	2.9	2.9
65°	2.4	2.4	2.4	2.4	2.4
67.5°	2.0	2.0	2.0	2.2	2.2
70°	1.6	1.8	1.8	1.8	1.8
72.5°	1.4	1.4	1.4	1.4	1.4
75°	1.2	1.2	1.2	1.2	1.2
77.5°	1.0	1.0	1.0	1.0	1.0
80°	0.6	0.8	0.8	0.8	0.8
82.5°	0.4	0.4	0.4	0.4	0.4
85°	0.2	0.2	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)