

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: P1310947

Luminaire Tested: LDSQA3D02R159040DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310947
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: LDSQA3D02R159040DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 90CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

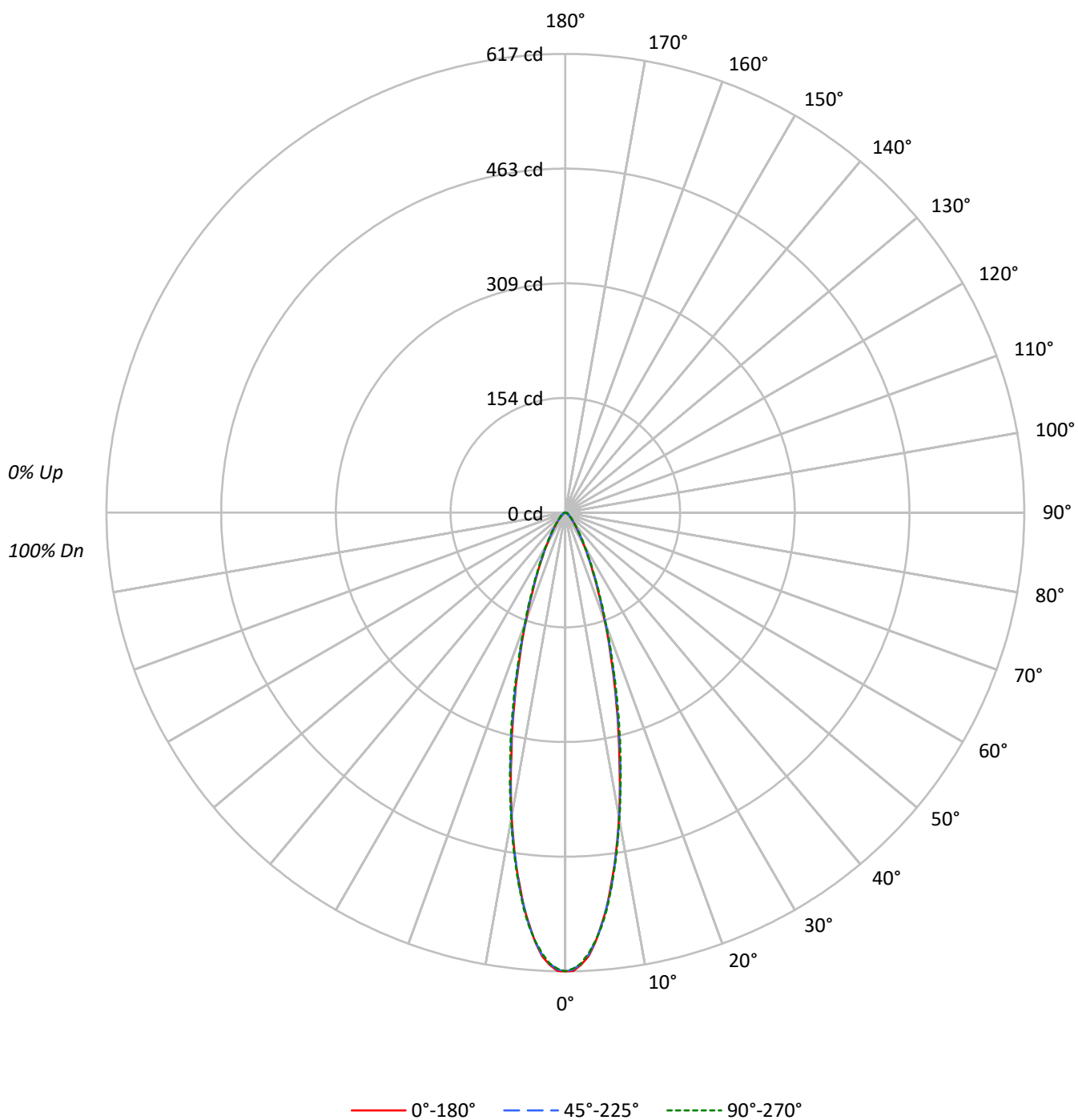
Lumens per Lamp: N/A
Luminaire Lumens: 204.0 lumens
Efficiency: N/A
Efficacy: 56.7 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	106244	106244	106244
5°	96225	96415	96554
10°	72645	72837	73205
15°	47124	47641	48568
20°	28371	28701	29086
25°	16570	16931	17178
30°	9744	10063	10202
35°	6013	6223	6328
40°	3957	4069	4114
45°	2752	2801	2874
50°	2036	2117	2170
55°	1651	1742	1742
60°	1447	1447	1447
65°	1263	1263	1263
70°	1057	1209	1209
75°	1065	1065	1065
80°	793	992	992
85°	593	593	593

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 2874 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.6	23.8
10°-20°	74.3	36.4
20°-30°	42.2	20.7
30°-40°	19.3	9.4
40°-50°	9.2	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°	165.1	80.9
0°-40°	184.4	90.4
0°-60°	198.8	97.4
0°-90°	204.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	204.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	617	617	617	617	617	
5°	557	556	558	558	558	49
15°	264	266	267	271	272	73
25°	87	87	89	90	90	41
35°	29	29	30	30	30	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°	616.9	616.9	616.9	616.9	616.9
1°	616.4	614.8	614.3	614.0	613.5
2°	608.5	607.2	606.9	606.9	606.7
3°	597.5	595.1	595.4	594.6	593.8
4°	578.9	577.9	578.4	578.9	577.9
5°	556.6	556.4	557.7	557.7	558.5
6°	533.6	533.3	532.5	534.6	535.7
7°	504.2	505.8	507.9	506.9	507.7
8°	477.5	475.7	476.5	479.1	479.4
9°	446.1	444.8	448.2	449.2	449.5
10°	415.4	416.8	416.5	420.2	418.6
12.5°	335.6	337.6	340.0	341.6	343.1
15°	264.3	265.6	267.2	270.9	272.4
17.5°	203.3	204.8	206.4	209.6	210.1
20°	154.8	155.6	156.6	159.5	158.7
22.5°	115.8	117.1	118.1	119.4	120.2
25°	87.2	87.2	89.1	89.8	90.4
27.5°	65.0	65.5	66.8	67.8	67.6
30°	49.0	49.8	50.6	51.1	51.3
32.5°	37.7	37.7	38.5	39.3	39.6
35°	28.6	29.1	29.6	30.1	30.1
37.5°	22.3	22.5	23.1	23.3	23.3
40°	17.6	17.6	18.1	18.3	18.3
42.5°	13.9	14.1	14.4	14.7	14.7
45°	11.3	11.3	11.5	11.8	11.8
47.5°	9.2	9.2	9.4	9.7	9.7
50°	7.6	7.9	7.9	8.1	8.1
52.5°	6.5	6.5	6.5	6.8	6.8
55°	5.5	5.5	5.8	5.8	5.8
57.5°	4.7	4.7	4.7	5.0	5.0
60°	4.2	4.2	4.2	4.2	4.2
62.5°	3.7	3.7	3.7	3.7	3.7
65°	3.1	3.1	3.1	3.1	3.1
67.5°	2.6	2.6	2.6	2.9	2.9
70°	2.1	2.4	2.4	2.4	2.4
72.5°	1.8	1.8	1.8	1.8	1.8
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	1.0	1.0	1.0	1.0
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)