

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: P1306621

Luminaire Tested: LDSQA3D02R159024DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306621
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: LDSQA3D02R159024DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2400K CCT AND, 90CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

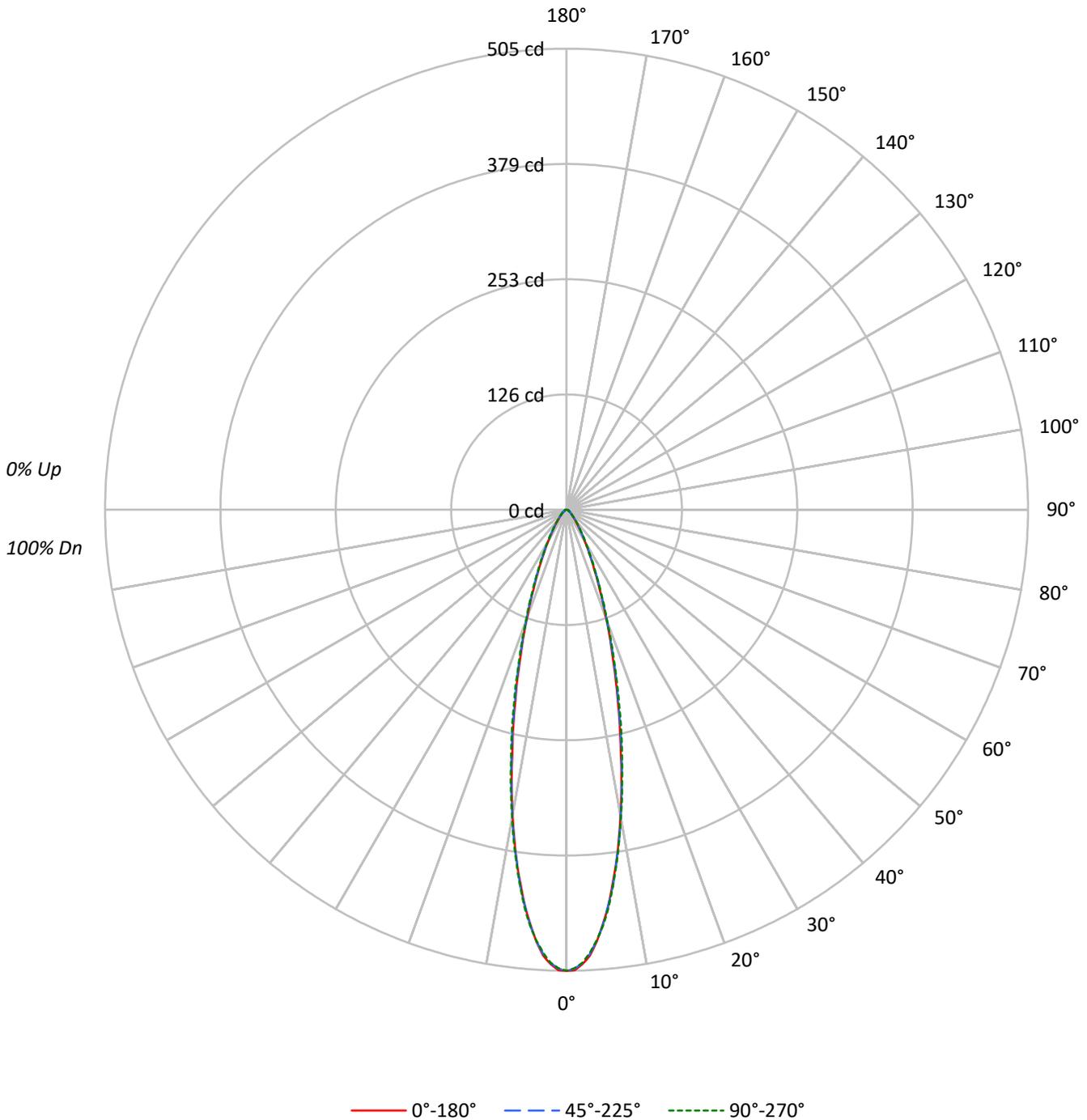
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 167.0 lumens
Efficiency: N/A
Efficacy: 46.4 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 (A_{in}): 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				20
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94	94	94	94
2	109	104	101	97	107	103	99	96	99	97	94	97	94	92	94	92	90	89	89	89	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	84	84	84	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	80	80	80	80
5	96	88	83	79	94	87	83	79	86	82	78	84	80	78	83	79	77	76	76	76	76
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	72	72	72	72
7	88	80	75	71	87	80	75	71	79	74	71	77	74	71	76	73	70	69	69	69	69
8	85	77	72	68	84	76	72	68	75	71	68	74	70	68	74	70	67	66	66	66	66
9	82	74	69	65	81	73	69	65	73	68	65	72	68	65	71	67	65	64	64	64	64
10	79	71	66	63	78	71	66	63	70	66	63	69	65	62	69	65	62	61	61	61	61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	86972	86972	86972
5°	78782	78920	79041
10°	59477	59634	59931
15°	38584	38994	39760
20°	23221	23496	23807
25°	13568	13853	14062
30°	7975	8233	8352
35°	4920	5088	5193
40°	3237	3327	3372
45°	2241	2289	2338
50°	1661	1715	1768
55°	1351	1411	1411
60°	1171	1171	1171
65°	1060	1060	1060
70°	856	957	957
75°	865	865	865
80°	595	893	893
85°	395	395	395

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°
 Vertical Angle: 45°
 Luminance: 2338 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.8	23.8
10°-20°	60.8	36.4
20°-30°	34.6	20.7
30°-40°	15.8	9.4
40°-50°	7.6	4.5
50°-60°	4.2	2.5
60°-70°	2.6	1.5
70°-80°	1.4	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°	135.2	80.9
0°-40°	150.9	90.4
0°-60°	162.7	97.4
0°-90°	167.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	167.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	505	505	505	505	505	
5°	456	456	456	456	457	40
15°	216	217	219	222	223	60
25°	71	71	73	74	74	34
35°	23	24	24	25	25	15
45°	9	9	9	10	10	7
55°	4	4	5	5	5	4
65°	3	3	3	3	3	3
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	505.0	505.0	505.0	505.0	505.0
1°	504.6	503.3	502.9	502.6	502.2
2°	498.1	497.1	496.8	496.8	496.6
3°	489.1	487.2	487.4	486.8	486.1
4°	473.9	473.0	473.5	473.9	473.0
5°	455.7	455.5	456.5	456.5	457.2
6°	436.8	436.6	435.9	437.7	438.5
7°	412.8	414.1	415.8	414.9	415.6
8°	390.9	389.4	390.1	392.2	392.4
9°	365.2	364.1	366.9	367.8	368.0
10°	340.1	341.2	341.0	344.0	342.7
12.5°	274.7	276.4	278.3	279.6	280.9
15°	216.4	217.4	218.7	221.7	223.0
17.5°	166.4	167.7	169.0	171.5	172.0
20°	126.7	127.4	128.2	130.6	129.9
22.5°	94.8	95.9	96.7	97.8	98.4
25°	71.4	71.4	72.9	73.6	74.0
27.5°	53.2	53.6	54.7	55.5	55.3
30°	40.1	40.7	41.4	41.8	42.0
32.5°	30.9	30.9	31.5	32.2	32.4
35°	23.4	23.8	24.2	24.7	24.7
37.5°	18.2	18.4	18.9	19.1	19.1
40°	14.4	14.4	14.8	15.0	15.0
42.5°	11.4	11.6	11.8	12.0	12.0
45°	9.2	9.2	9.4	9.6	9.6
47.5°	7.5	7.5	7.7	7.9	7.9
50°	6.2	6.4	6.4	6.6	6.6
52.5°	5.4	5.4	5.4	5.6	5.6
55°	4.5	4.5	4.7	4.7	4.7
57.5°	3.9	3.9	3.9	4.1	4.1
60°	3.4	3.4	3.4	3.4	3.4
62.5°	3.0	3.0	3.0	3.0	3.0
65°	2.6	2.6	2.6	2.6	2.6
67.5°	2.1	2.1	2.1	2.4	2.4
70°	1.7	1.9	1.9	1.9	1.9
72.5°	1.5	1.5	1.5	1.5	1.5
75°	1.3	1.3	1.3	1.3	1.3
77.5°	1.1	1.1	1.1	1.1	1.1
80°	0.6	0.9	0.9	0.9	0.9
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)