

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: P1319805

Luminaire Tested: LDSQA3D05R259840DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319805
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: LDSQA3D05R259840DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 98CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

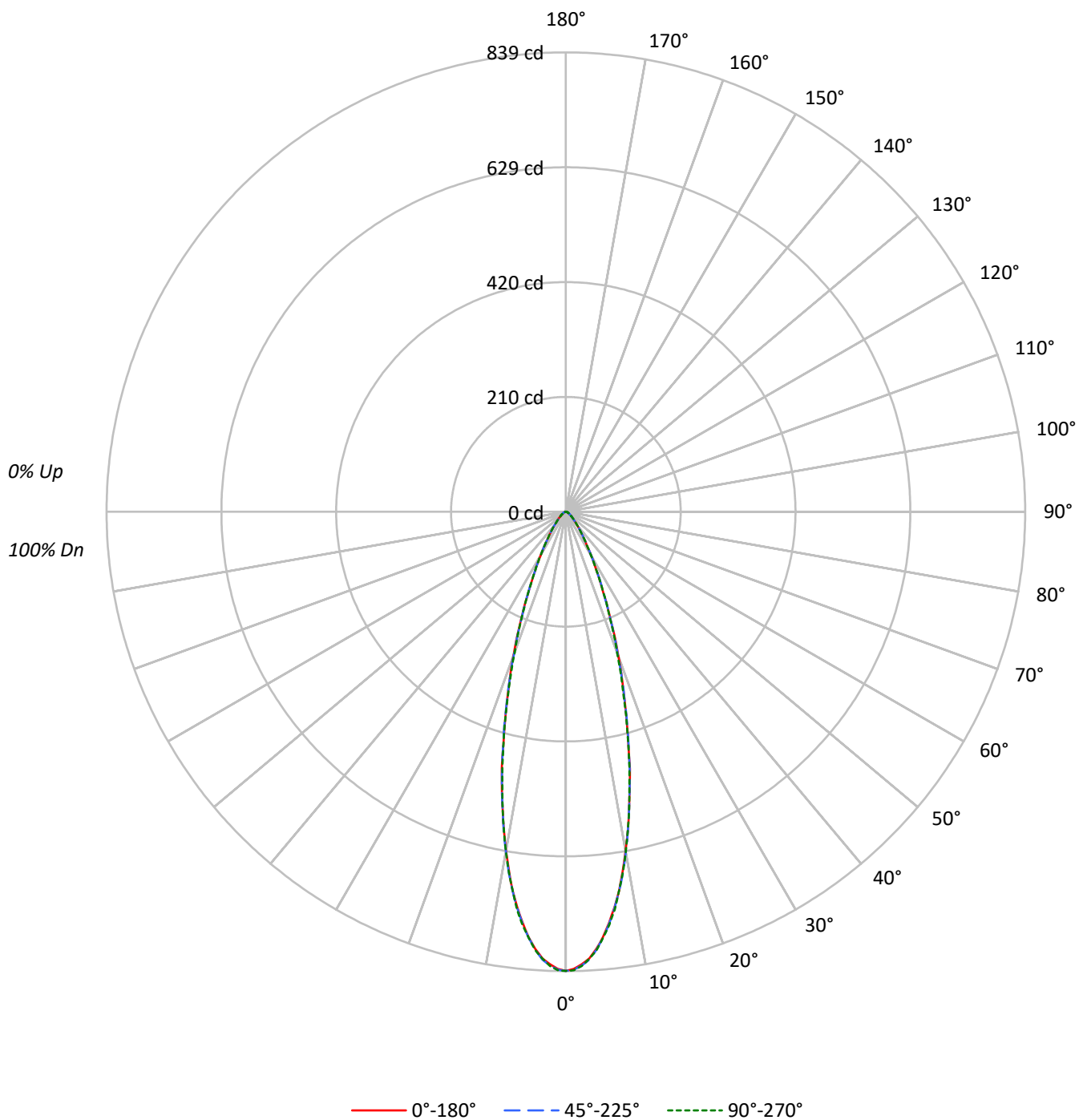
Lumens per Lamp: N/A
Luminaire Lumens: 336.0 lumens
Efficiency: N/A
Efficacy: 46.7 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	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	100	97	106	102	99	96	99	96	94	96	94	92	93	92	90	90	90	88
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	85	85	83
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	80	80	79
5	95	87	82	78	93	86	81	78	85	80	77	83	79	76	82	78	76	76	76	74
6	91	83	78	74	90	82	77	73	81	76	73	79	76	72	78	75	72	72	72	71
7	87	79	74	70	86	78	73	70	77	73	69	76	72	69	75	71	69	69	69	67
8	84	76	70	67	83	75	70	66	74	69	66	73	69	66	72	68	66	66	66	64
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	63	63	62
10	78	69	64	61	77	69	64	61	68	64	61	67	63	60	67	63	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	144426	144426	144426
5°	134795	134933	135002
10°	109947	110296	110296
15°	78540	78950	78540
20°	51390	50896	50181
25°	30556	30708	30556
30°	18415	18415	18335
35°	11206	11290	11206
40°	7149	7239	7239
45°	4969	4969	4969
50°	3563	3671	3671
55°	2822	2822	2943
60°	2308	2446	2446
65°	2078	2078	2078
70°	1762	1762	1964
75°	1597	1597	1797
80°	1587	1587	1587
85°	790	790	790

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4969 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.7	20.7
10°-20°	121.5	36.1
20°-30°	76.4	22.7
30°-40°	34.9	10.4
40°-50°	16.3	4.9
50°-60°	8.8	2.6
60°-70°	5.2	1.5
70°-80°	2.7	0.8
80°-90°	0.6	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°	267.5	79.6
0°-40°	302.4	90.0
0°-60°	327.5	97.5
0°-90°	336.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	336.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	839	839	839	839	839	
5°	780	781	780	781	781	70
15°	440	443	443	444	440	121
25°	161	163	162	162	161	77
35°	53	53	54	54	53	35
45°	20	20	20	20	20	16
55°	9	9	9	10	10	9
65°	5	5	5	5	5	5
75°	2	2	2	3	3	3
85°	0	0	0	0	0	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	838.6	838.6	838.6	838.6	838.6
1°	835.0	835.8	836.6	837.8	837.4
2°	827.2	828.8	829.2	830.7	830.3
3°	816.6	816.2	819.3	819.3	817.4
4°	800.1	800.9	801.7	802.5	802.9
5°	779.7	781.3	780.5	781.3	780.9
6°	754.6	757.0	756.6	757.4	758.6
7°	728.0	729.5	729.5	728.7	731.9
8°	698.9	697.8	699.7	698.9	698.5
9°	664.4	666.8	667.2	665.2	666.0
10°	628.7	630.3	630.7	631.9	630.7
11°	593.4	593.4	594.2	596.2	593.0
12°	555.0	558.5	555.0	556.6	555.0
13°	518.5	519.3	518.5	518.1	515.4
14°	484.0	481.3	482.0	478.9	479.3
15°	440.5	443.2	442.8	443.6	440.5
17.5°	354.2	355.7	355.4	354.6	350.6
20°	280.4	280.4	277.7	276.1	273.8
22.5°	214.2	213.4	212.2	211.0	211.8
25°	160.8	162.8	161.6	161.6	160.8
27.5°	121.6	123.9	122.0	120.8	121.6
30°	92.6	93.3	92.6	92.2	92.2
32.5°	69.8	70.2	69.8	69.8	69.8
35°	53.3	53.3	53.7	53.7	53.3
37.5°	41.2	41.2	41.2	41.2	41.6
40°	31.8	32.2	32.2	32.2	32.2
42.5°	25.1	25.5	25.5	25.5	25.5
45°	20.4	20.4	20.4	20.4	20.4
47.5°	16.5	16.5	16.5	16.5	16.9
50°	13.3	13.7	13.7	13.7	13.7
52.5°	11.4	11.4	11.4	11.4	11.4
55°	9.4	9.4	9.4	9.8	9.8
57.5°	7.8	7.8	8.2	8.2	8.2
60°	6.7	7.1	7.1	7.1	7.1
62.5°	5.9	5.9	6.3	6.3	6.3
65°	5.1	5.1	5.1	5.1	5.1
67.5°	4.3	4.3	4.3	4.3	4.7
70°	3.5	3.5	3.5	3.9	3.9
72.5°	3.1	3.1	3.1	3.1	3.1
75°	2.4	2.4	2.4	2.7	2.7
77.5°	2.0	2.0	2.0	2.0	2.0
80°	1.6	1.6	1.6	1.6	1.6
82.5°	0.8	0.8	1.2	1.2	1.2
85°	0.4	0.4	0.4	0.4	0.4
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)