

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: P1316249

Luminaire Tested: LDSQA3D05R259740DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316249
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-23)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R259740DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 97CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

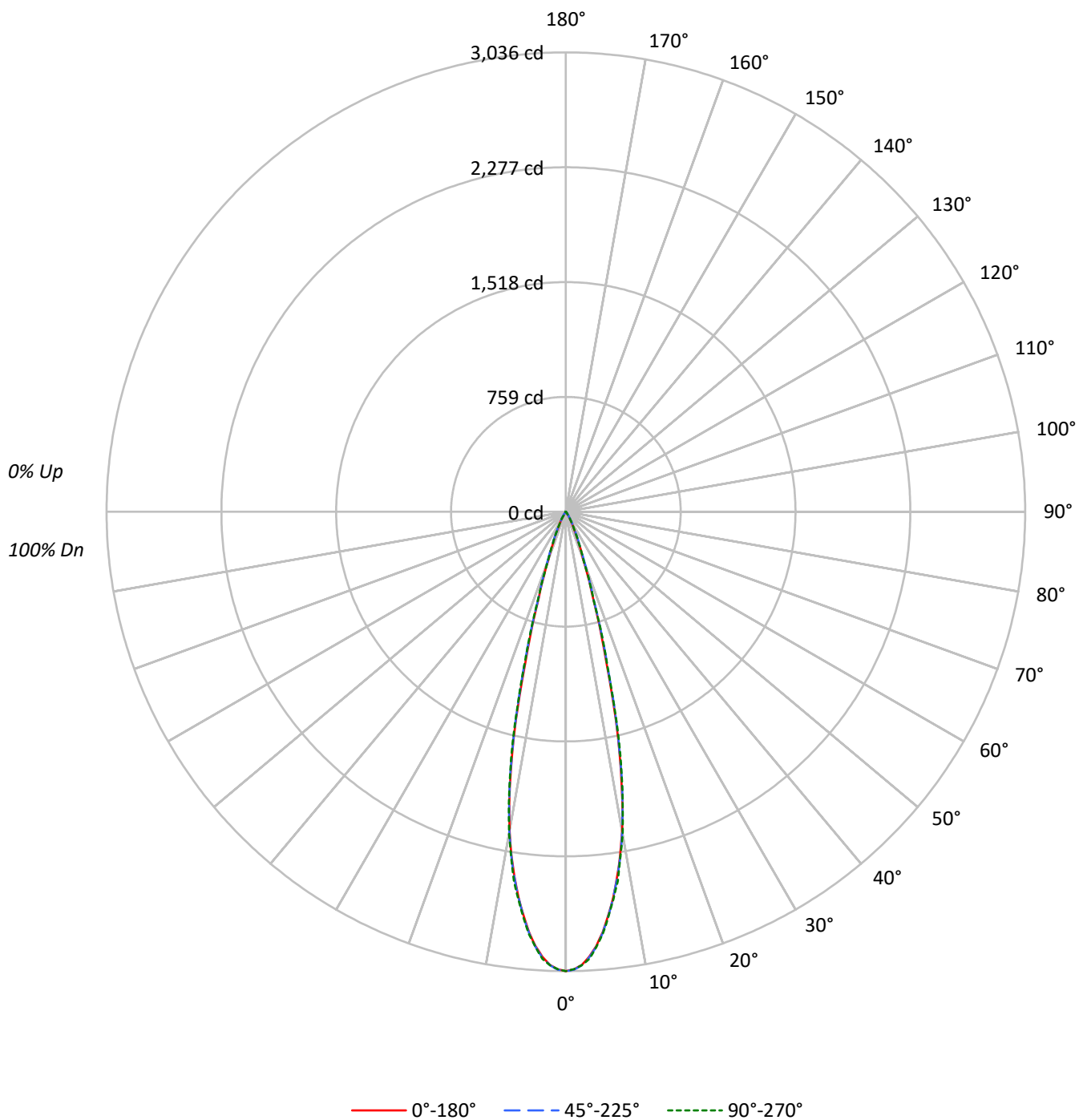
Lumens per Lamp: N/A
Luminaire Lumens: 632.0 lumens
Efficiency: N/A
Efficacy: 87.8 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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					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	99	99
1	115	113	111	110	113	111	110	108	107	106	105	103	103	102	100	99	99	97	96	96
2	112	108	105	103	110	107	104	102	104	102	100	101	99	98	98	97	96	94	93	93
3	108	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92	91	91
4	105	100	97	94	104	99	96	93	97	95	92	96	93	91	94	92	90	89	88	88
5	103	97	93	90	101	96	93	90	95	92	89	93	91	89	92	90	88	87	86	86
6	100	94	90	87	99	93	90	87	92	89	87	91	88	86	90	87	85	84	83	83
7	97	91	87	85	96	91	87	84	90	86	84	89	86	84	88	85	83	82	81	81
8	95	89	85	82	94	88	85	82	87	84	82	87	84	82	86	83	81	80	79	79
9	93	86	83	80	92	86	82	80	85	82	80	85	82	80	84	81	79	78	77	77
10	91	84	81	78	90	84	80	78	83	80	78	83	80	78	82	79	77	76	75	75

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	522902	522902	522902
5°	482146	483253	484256
10°	374364	375711	377757
15°	185002	192794	192865
20°	62295	66474	63542
25°	25806	28656	26528
30°	10122	12727	10222
35°	2649	5193	2754
40°	989	2068	989
45°	122	585	122
50°	0	134	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 585 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	246.0	38.9
10°-20°	297.6	47.1
20°-30°	72.7	11.5
30°-40°	14.1	2.2
40°-50°	1.6	0.3
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	616.3	97.5
0°-40°	630.4	99.7
0°-60°	632.0	100.0
0°-90°	632.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	632.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3036	3036	3036	3036	3036	
5°	2789	2793	2795	2807	2801	245
15°	1038	1062	1081	1092	1082	292
25°	136	143	151	144	140	69
35°	13	18	25	18	13	11
45°	0	2	2	2	0	1
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
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°	3036.2	3036.2	3036.2	3036.2	3036.2
1°	3024.6	3026.5	3027.0	3029.9	3024.1
2°	2997.0	2997.4	2998.9	3004.7	2999.4
3°	2946.0	2949.4	2949.9	2957.7	2959.1
4°	2876.7	2878.6	2882.5	2895.6	2884.0
5°	2788.9	2792.8	2795.3	2807.4	2801.1
6°	2680.3	2681.3	2686.6	2700.7	2692.0
7°	2569.8	2569.3	2569.8	2580.9	2578.5
8°	2436.5	2434.0	2441.8	2455.4	2464.6
9°	2297.3	2300.7	2305.5	2318.6	2308.0
10°	2140.7	2149.9	2148.4	2149.4	2160.1
11°	1960.3	1963.2	1963.7	1973.9	1972.4
12°	1748.4	1748.4	1764.4	1780.9	1775.6
13°	1534.6	1549.6	1539.0	1542.4	1563.7
14°	1285.4	1297.0	1311.6	1325.1	1314.5
15°	1037.6	1062.3	1081.3	1091.9	1081.7
17.5°	594.4	602.7	618.7	620.6	614.3
20°	339.9	350.1	362.7	358.8	346.7
22.5°	213.8	216.7	229.3	223.0	220.1
25°	135.8	143.0	150.8	144.5	139.6
27.5°	84.4	89.2	97.5	90.7	85.3
30°	50.9	55.3	64.0	54.8	51.4
32.5°	26.7	33.0	40.2	33.5	26.7
35°	12.6	17.9	24.7	17.9	13.1
37.5°	7.8	9.7	15.0	9.7	7.8
40°	4.4	6.3	9.2	6.3	4.4
42.5°	1.9	3.4	4.4	3.4	2.4
45°	0.5	1.5	2.4	1.5	0.5
47.5°	0.0	0.0	1.5	0.5	0.0
50°	0.0	0.0	0.5	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
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)