

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: P1308580

Luminaire Tested: LDSQA3D24R309027D010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308580
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D24R309027D010 3LSQPHR1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , 3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

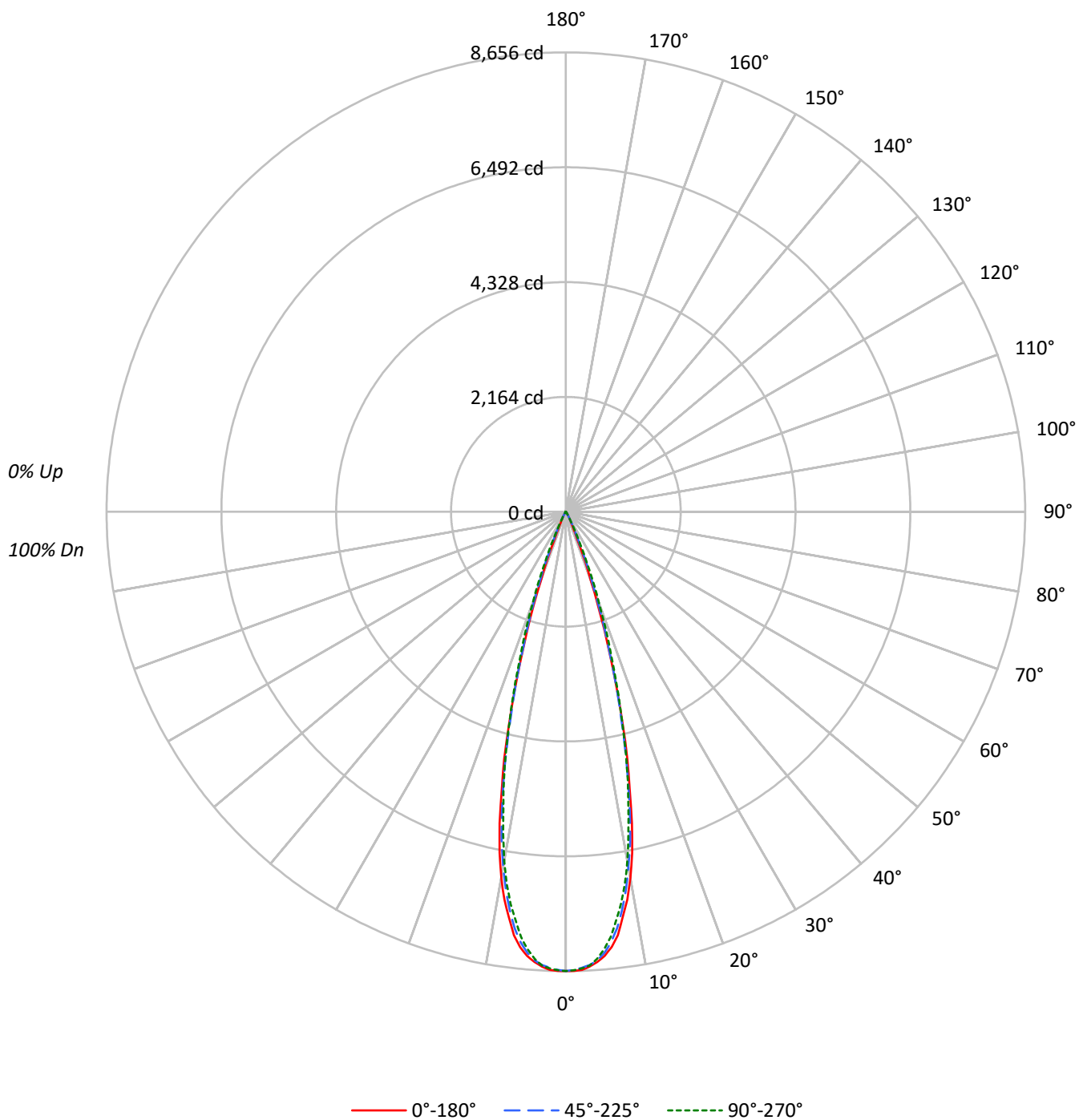
Lumens per Lamp: N/A
Luminaire Lumens: 2097.0 lumens
Efficiency: N/A
Efficacy: 72.8 lumens/watt
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	115	113	111	110	113	111	109	108	107	106	105		103	103	102		100
2	112	108	105	103	110	107	104	102	104	101	100		101	99	98		98
3	108	104	101	98	107	103	100	97	100	98	96		98	96	94		96
4	105	100	97	94	104	99	96	93	97	94	92		95	93	91		94
5	102	97	93	90	101	96	93	90	95	91	89		93	90	88		92
6	100	94	90	87	99	93	90	87	92	89	86		91	88	86		90
7	97	91	87	84	96	91	87	84	90	86	84		88	86	83		88
8	95	89	85	82	94	88	84	82	87	84	82		86	83	81		86
9	92	86	82	80	92	86	82	80	85	82	79		84	81	79		84
10	90	84	80	78	90	84	80	78	83	80	77		82	79	77		82

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1490484	1490484	1490484
5°	1452110	1442100	1430223
10°	1225450	1187834	1168545
15°	738492	717863	731075
20°	250501	289264	333671
25°	46043	72153	85208
30°	15810	17619	19767
35°	4562	5698	6076
40°	1214	2023	1619
45°	438	438	438
50°	482	0	482
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: 0°

Vertical Angle: 52.5°

Luminance: 509 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	748.4	35.7
10°-20°	1093.7	52.2
20°-30°	231.4	11.0
30°-40°	21.3	1.0
40°-50°	2.0	0.1
50°-60°	0.1	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°	2073.5	98.9
0°-40°	2094.8	99.9
0°-60°	2097.0	100.0
0°-90°	2097.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2097.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8654	8654	8654	8654	8654	
5°	8400	8383	8342	8316	8273	758
15°	4142	4127	4026	4120	4100	1093
25°	242	271	380	447	448	177
35°	22	27	27	32	29	18
45°	2	2	2	2	2	2
55°	0	0	0	0	0	1
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°	8654.4	8654.4	8654.4	8654.4	8654.4
1°	8656.2	8647.2	8634.5	8652.6	8639.9
2°	8638.1	8616.4	8598.4	8616.4	8611.0
3°	8583.9	8565.8	8553.2	8562.2	8562.2
4°	8502.5	8482.7	8471.8	8473.6	8446.5
5°	8399.5	8383.2	8341.6	8316.3	8272.9
6°	8247.6	8207.9	8157.2	8115.6	8059.6
7°	8041.5	7980.1	7907.7	7835.4	7764.9
8°	7710.7	7681.8	7584.1	7535.3	7464.8
9°	7399.7	7329.2	7224.4	7144.8	7106.8
10°	7007.4	6902.6	6792.3	6729.0	6682.0
11°	6542.8	6436.1	6347.5	6255.3	6183.0
12°	5996.8	5906.4	5805.2	5743.7	5658.7
13°	5349.6	5336.9	5223.0	5203.1	5192.3
14°	4794.5	4743.9	4631.8	4662.6	4669.8
15°	4141.9	4127.4	4026.2	4120.2	4100.3
17.5°	2594.3	2599.8	2663.0	2811.3	2858.3
20°	1366.8	1408.4	1578.3	1757.3	1820.6
22.5°	553.2	645.4	819.0	940.1	1021.5
25°	242.3	271.2	379.7	446.6	448.4
27.5°	137.4	139.2	182.6	189.8	193.4
30°	79.5	81.4	88.6	94.0	99.4
32.5°	43.4	47.0	48.8	56.0	56.0
35°	21.7	27.1	27.1	32.5	28.9
37.5°	12.7	14.5	16.3	16.3	14.5
40°	5.4	7.2	9.0	9.0	7.2
42.5°	1.8	3.6	3.6	3.6	5.4
45°	1.8	1.8	1.8	1.8	1.8
47.5°	1.8	1.8	0.0	1.8	1.8
50°	1.8	0.0	0.0	0.0	1.8
52.5°	1.8	0.0	0.0	0.0	1.8
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)