

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: P1309650

Luminaire Tested: LDSQA3D24R159030D010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309650
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D24R159030D010 3LSQPHR1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 90CRI , 3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

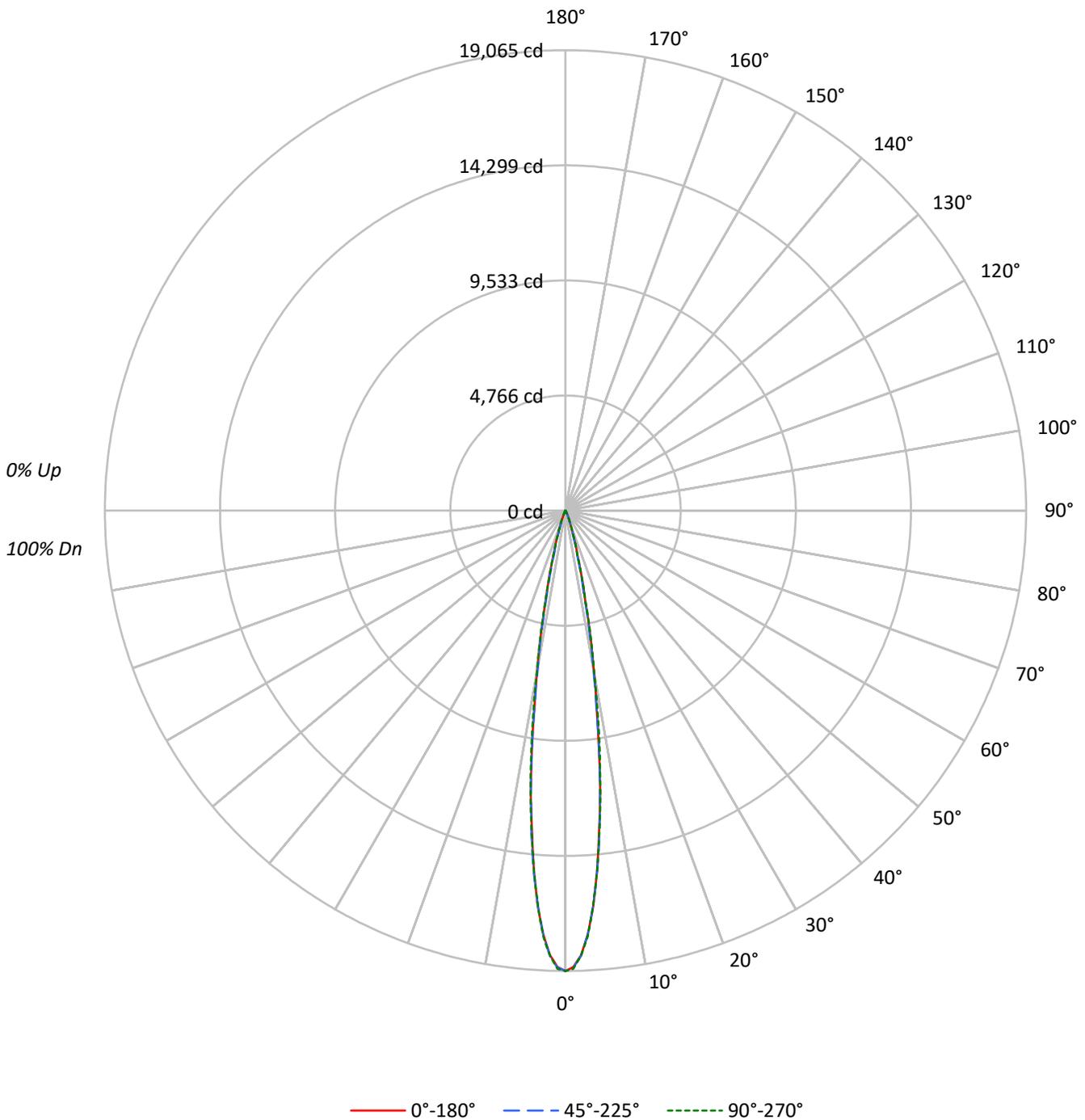
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1909.0 lumens
Efficiency: N/A
Efficacy: 66.3 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
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 (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				
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	116	114	112	111	113	112	110	109	108	107	106	104	104	103	101	100	100	98	98	98	98
2	113	110	107	105	111	108	106	104	105	104	102	102	101	100	100	99	98	97	97	97	97
3	110	107	104	101	109	105	103	100	103	101	99	101	99	97	99	97	96	95	95	95	95
4	108	104	100	98	106	103	100	98	101	98	96	99	97	95	97	96	94	93	93	93	93
5	106	101	98	95	104	100	97	95	99	96	94	97	95	94	96	94	93	92	92	92	92
6	104	99	96	93	103	98	95	93	97	94	92	96	94	92	95	93	91	91	91	91	91
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	94	92	90	89	89	89	89
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88	88	88	88
9	98	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	87	87	87	87	87
10	97	92	89	87	96	92	89	87	91	88	87	90	88	86	90	88	86	86	86	86	86

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3283442	3283442	3283442
5°	2589992	2596924	2587675
10°	1184931	1153872	1209973
15°	352317	314535	345167
20°	104614	101480	109874
25°	29758	38461	34471
30°	10639	11395	10242
35°	4016	3616	3616
40°	1709	854	1281
45°	926	463	926
50°	509	0	509
55°	570	0	570
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: 47.5°
 Luminance: 969 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1151.9	60.3
10°-20°	639.5	33.5
20°-30°	101.8	5.3
30°-40°	13.3	0.7
40°-50°	2.0	0.1
50°-60°	0.4	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°	1893.2	99.2
0°-40°	1906.6	99.9
0°-60°	1909.0	100.0
0°-90°	1909.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1909.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19065	19065	19065	19065	19065	
5°	14981	15107	15022	14958	14968	1149
15°	1976	1951	1764	1874	1936	652
25°	157	176	202	201	181	96
35°	19	19	17	19	17	14
45°	4	2	2	2	4	3
55°	2	0	0	0	2	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	0



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	19065.1	19065.1	19065.1	19065.1	19065.1	19065.1	19065.1	19065.1	19065.1	19065.1	19065.1
1°	18900.9	18921.9	18948.6	18923.8	18900.9	18921.9	18893.3	18897.1	18874.2	18923.8	18979.2
2°	18419.8	18446.5	18431.3	18396.9	18450.4	18454.2	18395.0	18366.3	18362.5	18412.2	18431.3
3°	17568.3	17629.4	17631.3	17619.9	17602.7	17568.3	17507.2	17547.3	17491.9	17457.6	17652.3
4°	16436.2	16489.6	16552.6	16510.6	16384.6	16396.1	16436.2	16300.6	16308.2	16386.5	16392.3
5°	14981.4	15143.6	15151.3	15092.1	14992.8	15021.5	14992.8	14954.6	14968.0	15017.6	14968.0
6°	13268.8	13452.1	13316.6	13446.4	13417.7	13454.0	13463.6	13423.5	13452.1	13421.6	13412.0
7°	11789.2	11649.8	11668.9	11615.5	11672.7	11710.9	11733.8	11665.1	11720.5	11808.3	11833.1
8°	9954.5	9914.4	9874.3	9969.8	9943.0	9988.8	10017.5	10093.9	10090.0	10116.8	10204.6
9°	8207.6	8266.8	8303.0	8219.0	8291.6	8150.3	8199.9	8404.2	8350.8	8404.2	8560.8
10°	6775.7	6823.4	6770.0	6768.1	6691.7	6598.1	6592.4	6668.8	6829.1	6955.2	6918.9
12.5°	3738.2	3780.2	3785.9	3782.1	3644.6	3490.0	3518.6	3579.7	3679.0	3721.0	3789.7
15°	1976.0	1974.1	1995.1	1935.9	1863.4	1764.1	1771.7	1855.7	1930.2	1949.3	1935.9
17.5°	1013.8	1017.6	1032.9	1017.6	941.2	950.8	971.8	981.3	1025.2	1042.4	1032.9
20°	570.8	572.8	570.8	576.6	546.0	553.7	580.4	582.3	591.8	601.4	599.5
22.5°	326.5	328.4	339.8	336.0	328.4	337.9	343.7	353.2	357.0	353.2	364.7
25°	156.6	158.5	158.5	181.4	192.8	202.4	206.2	202.4	198.6	183.3	181.4
27.5°	89.7	89.7	93.5	95.5	99.3	116.5	114.6	95.5	80.2	80.2	82.1
30°	53.5	51.5	51.5	53.5	55.4	57.3	53.5	51.5	51.5	53.5	51.5
32.5°	32.5	32.5	32.5	30.5	30.5	28.6	28.6	32.5	32.5	32.5	32.5
35°	19.1	19.1	19.1	19.1	17.2	17.2	17.2	19.1	19.1	17.2	17.2
37.5°	11.5	11.5	11.5	9.5	9.5	7.6	9.5	9.5	9.5	9.5	9.5
40°	7.6	7.6	5.7	5.7	3.8	3.8	3.8	5.7	5.7	5.7	5.7
42.5°	5.7	5.7	3.8	3.8	1.9	1.9	1.9	3.8	3.8	3.8	3.8
45°	3.8	3.8	3.8	1.9	1.9	1.9	1.9	1.9	1.9	3.8	3.8
47.5°	3.8	3.8	1.9	1.9	0.0	0.0	0.0	1.9	1.9	1.9	1.9
50°	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9
52.5°	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9
55°	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)