

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: P1318165

Luminaire Tested: LDSQA3D09R159830DE010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318165
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: LDSQA3D09R159830DE010 3LSQPHR1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 98CRI , 3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

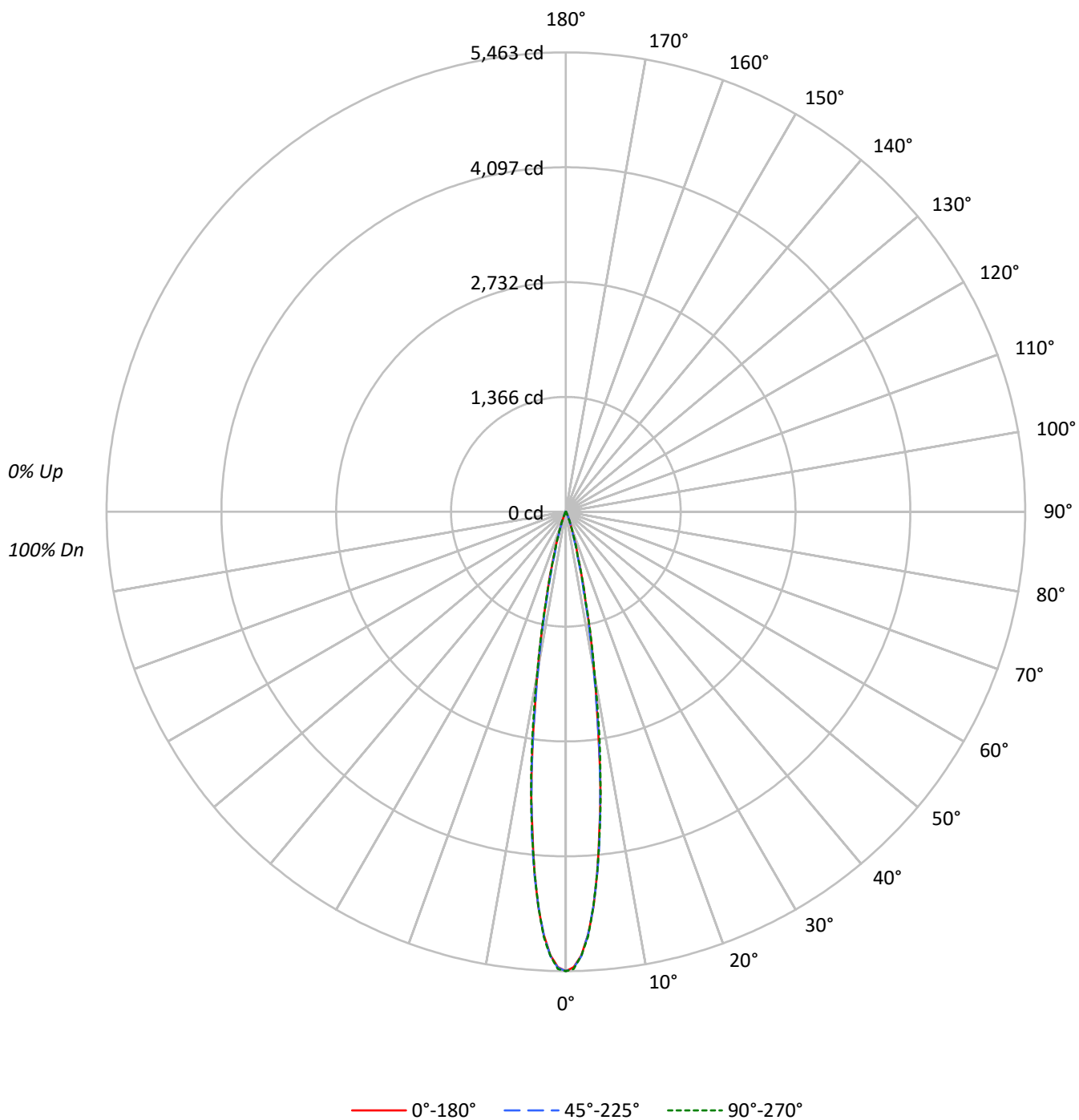
Lumens per Lamp: N/A
Luminaire Lumens: 547.0 lumens
Efficiency: N/A
Efficacy: 49.7 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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	116	114	112	111	113	112	110	109	108	107	106	104	104	103	101	100	100	100	100	98
2	113	110	107	105	111	108	106	104	105	104	102	102	101	100	100	99	98	98	98	97
3	110	107	104	101	109	105	103	100	103	101	99	101	99	97	99	97	96	96	96	95
4	108	104	100	98	106	103	100	98	101	98	96	99	97	95	97	96	94	94	94	93
5	106	101	98	95	104	100	97	95	99	96	94	97	95	94	96	94	93	93	93	92
6	104	99	96	93	103	98	95	93	97	94	92	96	94	92	95	93	91	91	91	91
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	94	92	90	90	90	89
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	89	89	88
9	98	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	940835	940835	940835
5°	742124	744112	741467
10°	339528	330627	346699
15°	100952	90130	98902
20°	29984	29067	31487
25°	8532	11022	9881
30°	3043	3261	2943
35°	1156	1030	1030
40°	495	247	360
45°	268	122	268
50°	134	0	134
55°	150	0	150
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: 280 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	330.1	60.3
10°-20°	183.2	33.5
20°-30°	29.2	5.3
30°-40°	3.8	0.7
40°-50°	0.6	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°	542.5	99.2
0°-40°	546.3	99.9
0°-60°	547.0	100.0
0°-90°	547.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	547.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5463	5463	5463	5463	5463	
5°	4293	4329	4304	4286	4289	329
15°	566	559	506	537	555	187
25°	45	50	58	58	52	27
35°	6	6	5	6	5	4
45°	1	1	0	0	1	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°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5462.9	5462.9	5462.9	5462.9	5462.9	5462.9	5462.9	5462.9	5462.9	5462.9	5462.9
1°	5415.8	5421.8	5429.5	5422.4	5415.8	5421.8	5413.6	5414.7	5408.2	5422.4	5438.2
2°	5278.0	5285.6	5281.2	5271.4	5286.7	5287.8	5270.9	5262.6	5261.6	5275.8	5281.2
3°	5034.0	5051.5	5052.0	5048.7	5043.8	5034.0	5016.5	5028.0	5012.1	5002.2	5058.0
4°	4709.6	4724.9	4742.9	4730.9	4694.8	4698.1	4709.6	4670.7	4672.9	4695.4	4697.0
5°	4292.7	4339.2	4341.4	4324.5	4296.0	4304.2	4296.0	4285.1	4288.9	4303.1	4288.9
6°	3802.0	3854.5	3815.7	3852.9	3844.7	3855.1	3857.8	3846.3	3854.5	3845.8	3843.0
7°	3378.0	3338.1	3343.6	3328.3	3344.7	3355.6	3362.2	3342.5	3358.4	3383.5	3390.6
8°	2852.3	2840.8	2829.4	2856.7	2849.0	2862.2	2870.4	2892.3	2891.2	2898.8	2924.0
9°	2351.8	2368.7	2379.1	2355.1	2375.8	2335.4	2349.6	2408.1	2392.8	2408.1	2453.0
10°	1941.5	1955.2	1939.8	1939.3	1917.4	1890.6	1889.0	1910.9	1956.8	1992.9	1982.5
12.5°	1071.1	1083.2	1084.8	1083.7	1044.3	1000.0	1008.2	1025.7	1054.2	1066.2	1085.9
15°	566.2	565.7	571.7	554.7	533.9	505.5	507.7	531.7	553.1	558.5	554.7
17.5°	290.5	291.6	296.0	291.6	269.7	272.4	278.4	281.2	293.8	298.7	296.0
20°	163.6	164.1	163.6	165.2	156.5	158.6	166.3	166.9	169.6	172.3	171.8
22.5°	93.5	94.1	97.4	96.3	94.1	96.8	98.5	101.2	102.3	101.2	104.5
25°	44.9	45.4	45.4	52.0	55.3	58.0	59.1	58.0	56.9	52.5	52.0
27.5°	25.7	25.7	26.8	27.4	28.4	33.4	32.8	27.4	23.0	23.0	23.5
30°	15.3	14.8	14.8	15.3	15.9	16.4	15.3	14.8	14.8	15.3	14.8
32.5°	9.3	9.3	9.3	8.8	8.8	8.2	8.2	9.3	9.3	9.3	9.3
35°	5.5	5.5	5.5	5.5	4.9	4.9	4.9	5.5	5.5	4.9	4.9
37.5°	3.3	3.3	3.3	2.7	2.7	2.2	2.7	2.7	2.7	2.7	2.7
40°	2.2	2.2	1.6	1.6	1.1	1.1	1.1	1.6	1.6	1.6	1.6
42.5°	1.6	1.6	1.1	1.1	0.5	0.5	0.5	1.1	1.1	1.1	1.1
45°	1.1	1.1	1.1	0.5	0.5	0.5	0.5	0.5	0.5	1.1	1.1
47.5°	1.1	1.1	0.5	0.5	0.0	0.0	0.0	0.5	0.5	0.5	0.5
50°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
52.5°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
55°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
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	0.5	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)