

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: P1319916

Luminaire Tested: LDSQA3D09R159840DE010 3LSQPHR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319916
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: LDSQA3D09R159840DE010 3LSQPHR1MMS
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 98CRI , 3LSQPHR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

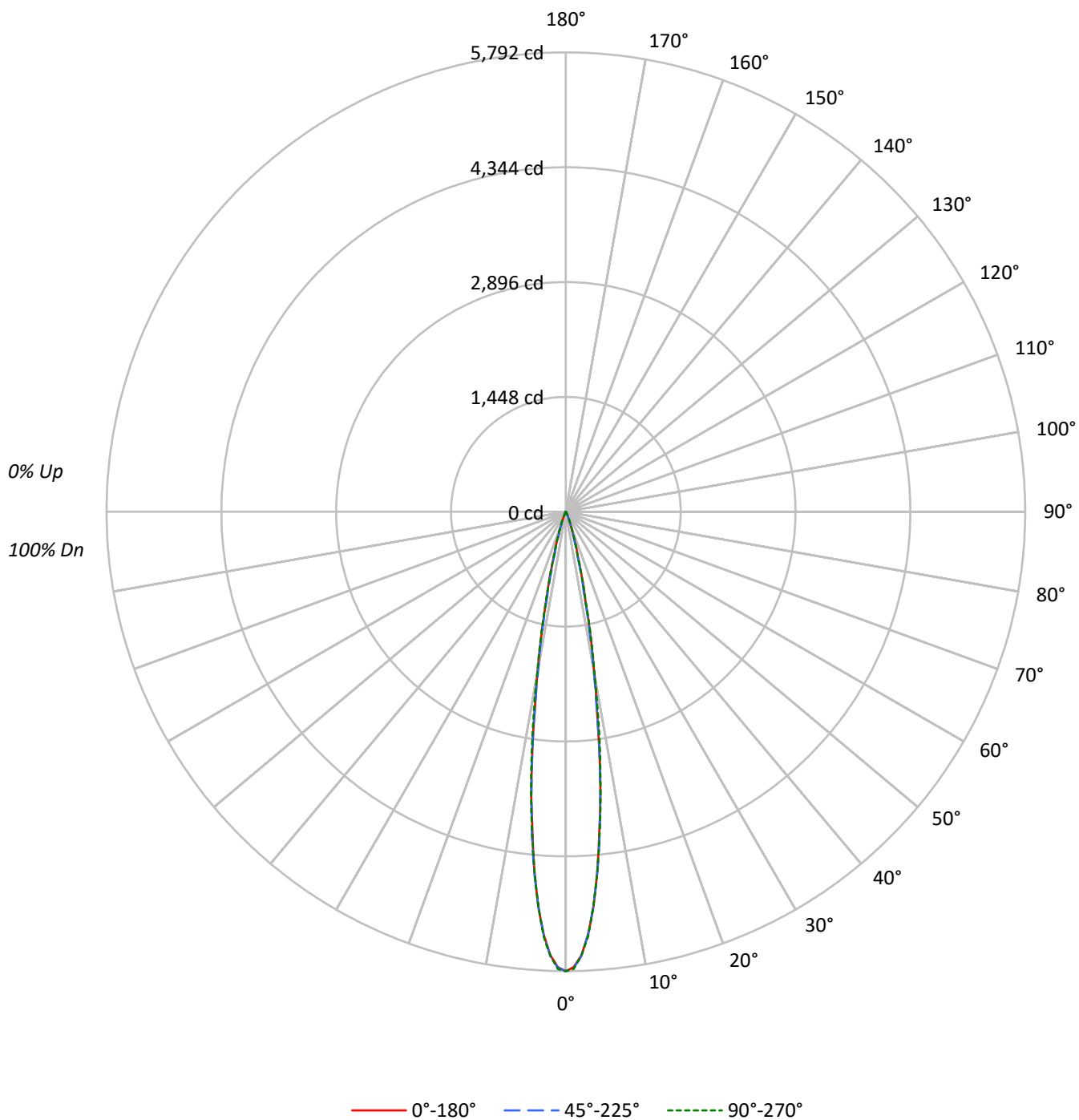
Lumens per Lamp: N/A
Luminaire Lumens: 580.0 lumens
Efficiency: N/A
Efficacy: 52.7 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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					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	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°	997582	997582	997582
5°	786900	789009	786191
10°	360007	350581	367614
15°	107050	95568	104875
20°	31780	30827	33374
25°	9045	11687	10470
30°	3222	3460	3122
35°	1219	1093	1093
40°	517	270	382
45°	292	146	292
50°	161	0	161
55°	180	0	180
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: 306 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	350.0	60.3
10°-20°	194.3	33.5
20°-30°	30.9	5.3
30°-40°	4.1	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°	575.2	99.2
0°-40°	579.3	99.9
0°-60°	580.0	100.0
0°-90°	580.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	580.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5792	5792	5792	5792	5792	
5°	4552	4590	4564	4545	4548	349
15°	600	593	536	569	588	198
25°	48	53	62	61	55	29
35°	6	6	5	6	5	4
45°	1	1	1	1	1	1
55°	1	0	0	0	1	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°	5792.4	5792.4	5792.4	5792.4	5792.4	5792.4	5792.4	5792.4	5792.4	5792.4	5792.4
1°	5742.6	5748.9	5757.1	5749.5	5742.6	5748.9	5740.2	5741.4	5734.4	5749.5	5766.3
2°	5596.4	5604.5	5599.9	5589.4	5605.7	5606.8	5588.8	5580.1	5579.0	5594.1	5599.9
3°	5337.7	5356.2	5356.8	5353.3	5348.1	5337.7	5319.1	5331.3	5314.5	5304.0	5363.2
4°	4993.7	5009.9	5029.1	5016.3	4978.0	4981.5	4993.7	4952.5	4954.8	4978.6	4980.4
5°	4551.7	4601.0	4603.3	4585.3	4555.2	4563.9	4555.2	4543.6	4547.6	4562.7	4547.6
6°	4031.4	4087.1	4045.9	4085.3	4076.6	4087.7	4090.6	4078.4	4087.1	4077.8	4074.9
7°	3581.8	3539.5	3545.3	3529.1	3546.5	3558.1	3565.0	3544.1	3561.0	3587.6	3595.2
8°	3024.4	3012.2	3000.0	3029.1	3020.9	3034.9	3043.6	3066.8	3065.6	3073.7	3100.4
9°	2493.7	2511.6	2522.7	2497.1	2519.2	2476.3	2491.3	2553.4	2537.2	2553.4	2601.0
10°	2058.6	2073.1	2056.9	2056.3	2033.1	2004.7	2002.9	2026.1	2074.9	2113.1	2102.1
12.5°	1135.7	1148.5	1150.3	1149.1	1107.3	1060.3	1069.0	1087.6	1117.8	1130.5	1151.4
15°	600.4	599.8	606.2	588.2	566.1	536.0	538.3	563.8	586.4	592.2	588.2
17.5°	308.0	309.2	313.8	309.2	286.0	288.9	295.2	298.1	311.5	316.7	313.8
20°	173.4	174.0	173.4	175.2	165.9	168.2	176.3	176.9	179.8	182.7	182.1
22.5°	99.2	99.8	103.2	102.1	99.8	102.7	104.4	107.3	108.5	107.3	110.8
25°	47.6	48.1	48.1	55.1	58.6	61.5	62.6	61.5	60.3	55.7	55.1
27.5°	27.3	27.3	28.4	29.0	30.2	35.4	34.8	29.0	24.4	24.4	24.9
30°	16.2	15.7	15.7	16.2	16.8	17.4	16.2	15.7	15.7	16.2	15.7
32.5°	9.9	9.9	9.9	9.3	9.3	8.7	8.7	9.9	9.9	9.9	9.9
35°	5.8	5.8	5.8	5.8	5.2	5.2	5.2	5.8	5.8	5.2	5.2
37.5°	3.5	3.5	3.5	2.9	2.9	2.3	2.9	2.9	2.9	2.9	2.9
40°	2.3	2.3	1.7	1.7	1.2	1.2	1.2	1.7	1.7	1.7	1.7
42.5°	1.7	1.7	1.2	1.2	0.6	0.6	0.6	1.2	1.2	1.2	1.2
45°	1.2	1.2	1.2	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2
47.5°	1.2	1.2	0.6	0.6	0.0	0.0	0.0	0.6	0.6	0.6	0.6
50°	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
52.5°	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
55°	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6
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	0.6	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)