

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: P1311268

Luminaire Tested: LDSQA3D09R159040DE010 3LSQPHR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311268
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: LDSQA3D09R159040DE010 3LSQPHR1MMS
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 90CRI , 3LSQPHR1MMS TRIM
Light Source: -
Ballast/Driver: -

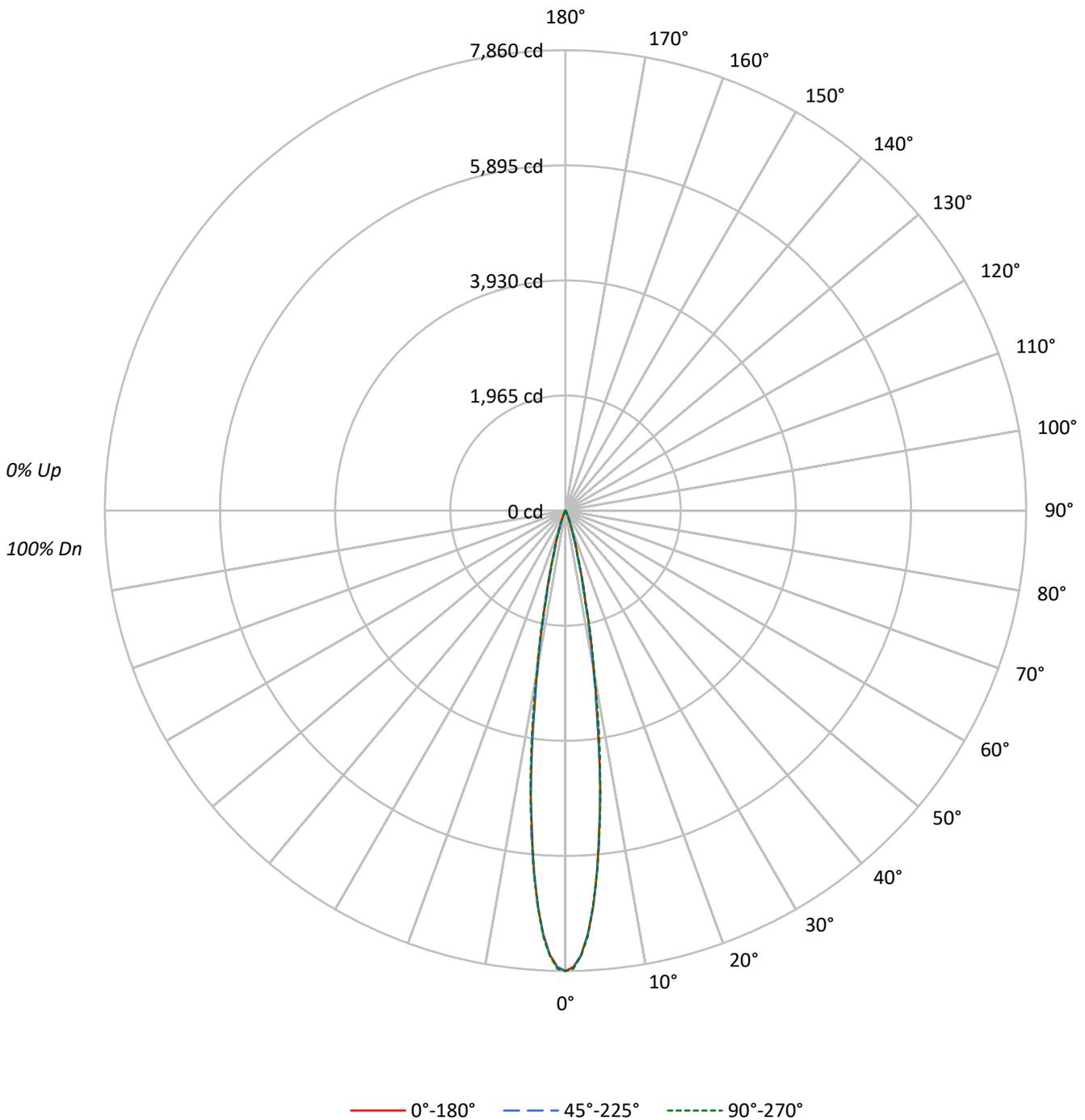
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 787.0 lumens
Efficiency: N/A
Efficacy: 70.9 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): 11.1
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	102	102	102	100
1	116	114	112	111	113	112	110	109	108	107	106	104	104	103	101	100	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	98	97
3	110	107	104	101	109	105	103	100	103	101	99	101	99	97	99	97	96	96	96	96	95
4	108	104	100	98	106	103	100	98	101	98	96	99	97	95	97	96	94	94	94	94	93
5	106	101	98	95	104	100	97	95	99	96	94	97	95	94	96	94	93	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	91
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	94	92	90	90	90	90	89
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	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	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°	1353618	1353618	1353618
5°	1067745	1070597	1066794
10°	488491	475690	498826
15°	145242	129676	142300
20°	43125	41842	45287
25°	12257	15848	14214
30°	4375	4693	4236
35°	1661	1493	1493
40°	697	360	540
45°	390	195	390
50°	214	0	214
55°	240	0	240
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: 408 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	474.9	60.3
10°-20°	263.6	33.5
20°-30°	42.0	5.3
30°-40°	5.5	0.7
40°-50°	0.8	0.1
50°-60°	0.2	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°	780.5	99.2
0°-40°	786.0	99.9
0°-60°	787.0	100.0
0°-90°	787.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	787.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7860	7860	7860	7860	7860	
5°	6176	6228	6193	6167	6171	474
15°	815	804	727	773	798	269
25°	64	72	83	83	75	39
35°	8	8	7	8	7	6
45°	2	1	1	1	2	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	0



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7859.7	7859.7	7859.7	7859.7	7859.7	7859.7	7859.7	7859.7	7859.7	7859.7	7859.7
1°	7792.0	7800.7	7811.7	7801.5	7792.0	7800.7	7788.9	7790.5	7781.0	7801.5	7824.3
2°	7593.7	7604.7	7598.4	7584.3	7606.3	7607.9	7583.5	7571.7	7570.1	7590.6	7598.4
3°	7242.7	7267.9	7268.6	7263.9	7256.8	7242.7	7217.5	7234.0	7211.2	7197.0	7277.3
4°	6775.9	6798.0	6823.9	6806.6	6754.7	6759.4	6775.9	6720.1	6723.2	6755.5	6757.8
5°	6176.2	6243.1	6246.2	6221.8	6180.9	6192.7	6180.9	6165.2	6170.7	6191.1	6170.7
6°	5470.2	5545.7	5489.9	5543.4	5531.6	5546.5	5550.5	5533.9	5545.7	5533.1	5529.2
7°	4860.2	4802.7	4810.6	4788.6	4812.2	4827.9	4837.4	4809.0	4831.9	4868.1	4878.3
8°	4103.8	4087.3	4070.8	4110.1	4099.1	4118.0	4129.8	4161.3	4159.7	4170.7	4206.9
9°	3383.6	3408.0	3423.0	3388.4	3418.3	3360.0	3380.5	3464.7	3442.7	3464.7	3529.2
10°	2793.3	2813.0	2791.0	2790.2	2758.7	2720.1	2717.8	2749.3	2815.4	2867.3	2852.4
12.5°	1541.1	1558.4	1560.8	1559.2	1502.5	1438.8	1450.6	1475.8	1516.7	1534.0	1562.3
15°	814.6	813.8	822.5	798.1	768.2	727.3	730.4	765.0	795.7	803.6	798.1
17.5°	417.9	419.5	425.8	419.5	388.0	392.0	400.6	404.6	422.7	429.7	425.8
20°	235.3	236.1	235.3	237.7	225.1	228.3	239.3	240.1	244.0	247.9	247.1
22.5°	134.6	135.4	140.1	138.5	135.4	139.3	141.7	145.6	147.2	145.6	150.3
25°	64.5	65.3	65.3	74.8	79.5	83.4	85.0	83.4	81.9	75.6	74.8
27.5°	37.0	37.0	38.6	39.4	40.9	48.0	47.2	39.4	33.1	33.1	33.8
30°	22.0	21.3	21.3	22.0	22.8	23.6	22.0	21.3	21.3	22.0	21.3
32.5°	13.4	13.4	13.4	12.6	12.6	11.8	11.8	13.4	13.4	13.4	13.4
35°	7.9	7.9	7.9	7.9	7.1	7.1	7.1	7.9	7.9	7.1	7.1
37.5°	4.7	4.7	4.7	3.9	3.9	3.1	3.9	3.9	3.9	3.9	3.9
40°	3.1	3.1	2.4	2.4	1.6	1.6	1.6	2.4	2.4	2.4	2.4
42.5°	2.4	2.4	1.6	1.6	0.8	0.8	0.8	1.6	1.6	1.6	1.6
45°	1.6	1.6	1.6	0.8	0.8	0.8	0.8	0.8	0.8	1.6	1.6
47.5°	1.6	1.6	0.8	0.8	0.0	0.0	0.0	0.8	0.8	0.8	0.8
50°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
52.5°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
55°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
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	0.8	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)