

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: P1311313

Luminaire Tested: LDSQA3D09R309040DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311313
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R309040DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

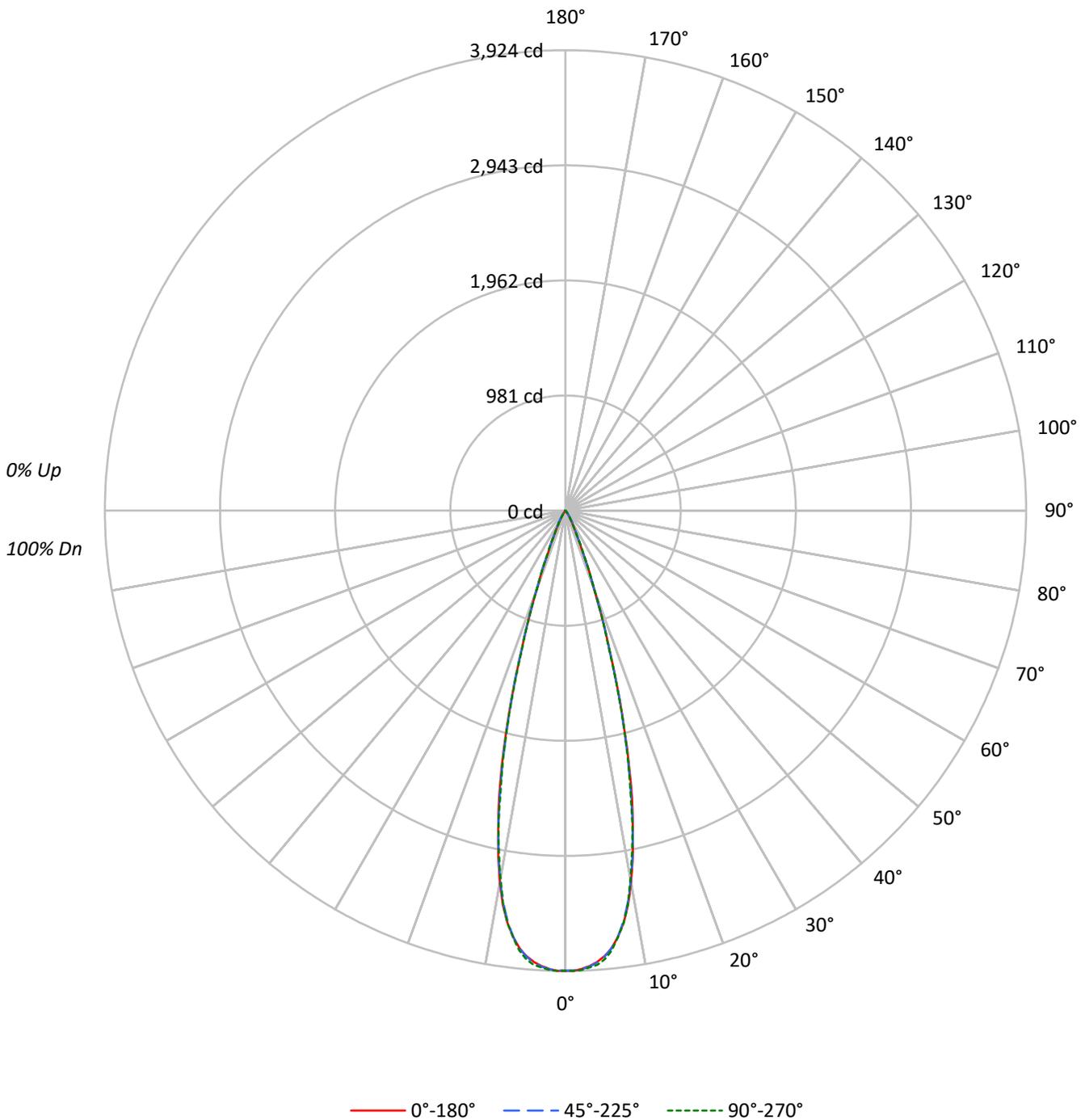
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1012.0 lumens
Efficiency: N/A
Efficacy: 91.2 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
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 (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			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	115	113	111	110	113	111	109	108	107	106	105	103	102	101	100	99	99	99	99	99	97
2	112	108	105	103	109	106	104	102	103	101	99	100	99	97	98	96	95	95	94	94	94
3	108	104	100	97	106	102	99	97	100	97	95	98	95	94	95	94	92	92	92	92	91
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	89	89	89	88
5	102	96	92	89	101	95	92	89	94	91	88	92	90	87	91	89	87	87	87	87	86
6	99	93	89	86	98	92	89	86	91	88	85	90	87	85	89	86	84	84	84	84	83
7	96	90	86	83	95	90	86	83	89	85	83	87	85	82	87	84	82	82	82	82	81
8	94	88	84	81	93	87	83	81	86	83	80	85	82	80	84	82	80	80	80	80	79
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	78	78	78	77
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	80	78	76	76	76	76	75

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	675457	675457	675457
5°	658986	659798	663481
10°	562815	560209	556904
15°	347324	343259	344525
20°	131262	131995	131848
25°	40381	44276	42186
30°	16287	20662	16904
35°	4794	8767	4962
40°	1956	3530	1956
45°	390	1145	390
50°	0	214	0
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: 45°
 Vertical Angle: 45°
 Luminance: 1145 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	345.9	34.2
10°-20°	512.2	50.6
20°-30°	127.0	12.6
30°-40°	23.9	2.4
40°-50°	3.0	0.3
50°-60°	0.0	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°	985.1	97.3
0°-40°	1009.0	99.7
0°-60°	1012.0	100.0
0°-90°	1012.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1012.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3922	3922	3922	3922	3922	
5°	3812	3810	3816	3823	3838	346
15°	1948	1929	1925	1940	1932	515
25°	212	227	233	232	222	122
35°	23	30	42	31	24	19
45°	2	2	5	3	2	2
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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3922.0	3922.0	3922.0	3922.0	3922.0
1°	3923.5	3920.4	3920.4	3915.7	3924.3
2°	3909.4	3906.2	3911.7	3907.8	3918.8
3°	3888.1	3884.2	3892.1	3894.4	3899.9
4°	3856.6	3853.5	3862.2	3866.9	3881.8
5°	3811.8	3810.2	3816.5	3822.8	3837.8
6°	3750.4	3748.0	3752.0	3759.8	3769.3
7°	3661.5	3656.7	3659.9	3661.5	3663.8
8°	3548.9	3541.8	3537.9	3546.5	3551.3
9°	3404.1	3396.2	3387.6	3384.4	3395.4
10°	3218.3	3206.5	3203.4	3195.5	3184.5
11°	3002.7	2993.2	2990.9	2976.7	2970.4
12°	2755.5	2750.8	2756.3	2747.7	2744.5
13°	2518.6	2488.7	2484.8	2468.3	2459.6
14°	2238.4	2210.9	2210.1	2201.4	2213.2
15°	1948.0	1929.1	1925.2	1940.1	1932.3
17.5°	1242.0	1254.6	1251.4	1243.6	1230.2
20°	716.2	707.6	720.2	723.3	719.4
22.5°	381.7	384.9	387.2	396.7	403.0
25°	212.5	226.7	233.0	232.2	222.0
27.5°	132.2	140.9	152.7	144.8	136.2
30°	81.9	88.9	103.9	89.7	85.0
32.5°	44.1	55.9	66.9	55.9	45.7
35°	22.8	29.9	41.7	30.7	23.6
37.5°	15.0	17.3	26.8	17.3	15.0
40°	8.7	11.0	15.7	11.0	8.7
42.5°	3.9	6.3	8.7	6.3	3.9
45°	1.6	2.4	4.7	3.1	1.6
47.5°	0.0	0.8	2.4	0.8	0.0
50°	0.0	0.0	0.8	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
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)