

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: P1308029

Luminaire Tested: LDSQA3D09R609027DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308029
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-29)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R609027DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

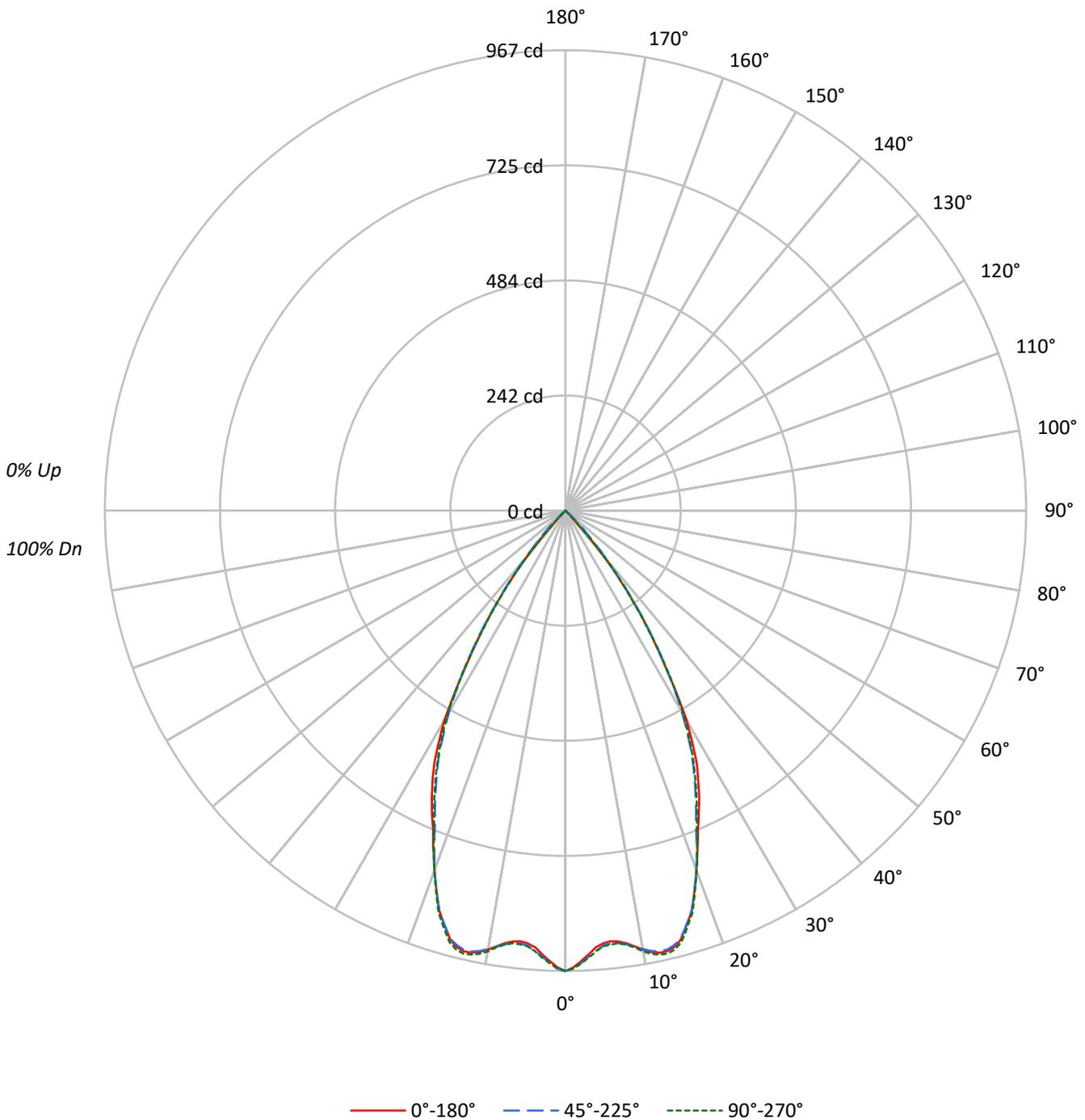
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 857.0 lumens
Efficiency: N/A
Efficacy: 77.2 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.93 / 0.9
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				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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94	94	94	94
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	89	88	88	88	88
3	103	97	92	88	101	96	91	88	93	89	86	91	88	85	88	86	84	82	82	82	82
4	98	91	86	81	96	90	85	81	88	83	80	86	82	79	84	81	78	77	77	77	77
5	93	85	80	76	92	84	79	75	83	78	75	81	77	74	79	76	73	72	72	72	72
6	89	80	74	70	87	79	74	70	78	73	70	77	72	69	75	72	69	67	67	67	67
7	85	76	70	66	83	75	69	65	74	69	65	72	68	65	71	67	64	63	63	63	63
8	81	71	66	62	79	71	65	61	70	65	61	69	64	61	68	64	61	59	59	59	59
9	77	67	62	58	76	67	61	58	66	61	57	65	61	57	64	60	57	56	56	56	56
10	73	64	58	54	72	63	58	54	63	58	54	62	57	54	61	57	54	53	53	53	53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	166557	166557	166557
5°	157736	158566	158791
10°	163740	163495	164457
15°	166459	166209	167422
20°	147299	147299	147555
25°	126235	122472	123498
30°	100984	97305	98816
35°	62653	63936	62506
40°	27496	30261	28282
45°	341	9815	828
50°	0	1099	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: 9815 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.3	10.3
10°-20°	256.0	29.9
20°-30°	297.2	34.7
30°-40°	187.2	21.8
40°-50°	28.1	3.3
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°	641.6	74.9
0°-40°	828.8	96.7
0°-60°	857.0	100.0
0°-90°	857.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	857.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	967	967	967	967	967	
5°	912	916	917	919	918	88
15°	934	930	932	938	939	256
25°	664	657	644	647	650	302
35°	298	299	304	298	297	186
45°	1	13	40	17	3	18
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°	967.1	967.1	967.1	967.1	967.1
1°	959.5	962.3	962.3	963.0	962.3
2°	946.6	950.7	950.7	952.7	951.3
3°	933.6	937.0	937.7	940.4	939.7
4°	919.2	924.7	926.7	928.1	927.4
5°	912.4	915.8	917.2	919.2	918.5
6°	909.7	912.4	913.8	915.8	915.8
7°	911.7	913.8	915.8	917.2	915.8
8°	917.9	919.9	919.9	922.6	920.6
9°	926.7	927.4	927.4	930.8	928.8
10°	936.3	934.9	934.9	939.7	940.4
11°	944.5	943.1	942.5	947.2	948.6
12°	949.3	946.6	946.6	952.7	953.4
13°	950.0	946.6	946.6	952.7	954.8
14°	944.5	940.4	941.1	947.9	950.0
15°	933.6	930.2	932.2	938.4	939.0
17.5°	881.6	879.6	880.9	885.0	885.7
20°	803.7	802.4	803.7	803.7	805.1
22.5°	726.5	723.1	716.2	720.3	721.0
25°	664.3	656.8	644.5	647.2	649.9
27.5°	596.0	586.4	573.4	576.8	577.5
30°	507.8	503.0	489.3	492.8	496.9
32.5°	392.3	405.3	397.1	396.4	397.1
35°	298.0	298.7	304.1	298.0	297.3
37.5°	208.4	209.1	213.2	206.4	207.1
40°	122.3	131.2	134.6	131.9	125.8
42.5°	38.3	67.7	76.5	66.3	42.4
45°	1.4	13.0	40.3	17.1	3.4
47.5°	0.0	0.7	19.1	1.4	0.0
50°	0.0	0.0	4.1	0.0	0.0
52.5°	0.0	0.0	0.7	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)