

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: P1311331

Luminaire Tested: LDSQA3D09R359040DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311331
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-37)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R359040DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

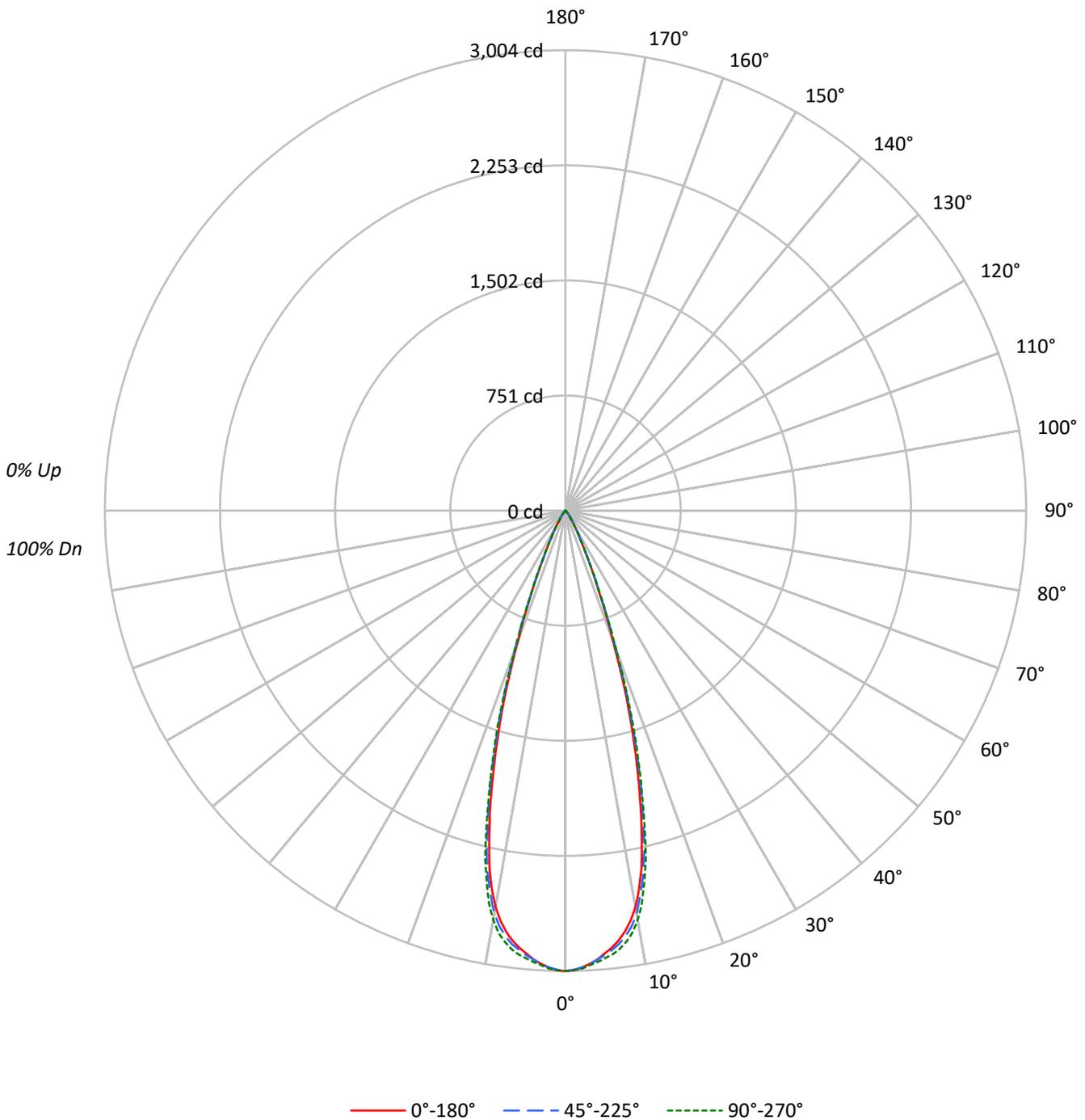
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1009.1 lumens
Efficiency: N/A
Efficacy: 90.9 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	98	98	98	96
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	94	94	94	93
3	107	102	98	95	105	101	97	95	98	96	93	96	94	92	94	92	90	94	92	90	89
4	103	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87	91	89	87	86
5	100	94	90	86	99	93	89	86	91	88	85	90	87	85	89	86	84	89	86	84	83
6	97	90	86	83	96	90	86	83	88	85	82	87	84	82	86	83	81	86	83	81	80
7	94	87	83	80	93	87	82	79	85	82	79	84	81	79	83	81	78	83	81	78	77
8	91	84	80	77	90	84	79	77	83	79	76	82	78	76	81	78	76	81	78	76	75
9	88	81	77	74	88	81	77	74	80	76	74	79	76	74	79	76	73	79	76	73	72
10	86	79	75	72	85	78	74	72	78	74	71	77	74	71	76	73	71	76	73	71	70

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	517322	517322	517322
5°	502010	503774	507180
10°	459216	467190	474361
15°	329620	341708	345203
20°	165809	175468	175908
25°	62842	64780	65084
30°	25514	29273	25057
35°	9272	14065	8935
40°	3889	6025	3710
45°	950	2484	950
50°	643	1045	643
55°	721	721	721
60°	827	827	827
65°	652	652	652
70°	403	403	403
75°	532	532	532
80°	793	793	793
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2484 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	271.6	26.9
10°-20°	506.0	50.1
20°-30°	182.0	18.0
30°-40°	38.2	3.8
40°-50°	6.6	0.7
50°-60°	2.2	0.2
60°-70°	1.6	0.2
70°-80°	0.8	0.1
80°-90°	0.1	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°	959.5	95.1
0°-40°	997.7	98.9
0°-60°	1006.5	99.7
0°-90°	1009.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1009.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3004	3004	3004	3004	3004	
5°	2904	2909	2914	2934	2934	269
15°	1849	1881	1916	1937	1936	492
25°	331	335	341	344	342	176
35°	44	52	67	51	42	34
45°	4	6	10	6	4	5
55°	2	2	2	2	2	2
65°	2	2	2	2	2	2
75°	1	1	1	1	1	1
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°	3003.8	3003.8	3003.8	3003.8	3003.8
1°	3002.2	3002.2	2995.9	3003.0	3000.7
2°	2985.7	2987.3	2983.3	2992.0	2991.2
3°	2962.9	2966.8	2963.7	2976.2	2972.3
4°	2938.5	2941.6	2940.0	2955.8	2954.2
5°	2903.8	2909.3	2914.0	2933.7	2933.7
6°	2868.4	2873.9	2884.1	2905.4	2912.5
7°	2827.4	2834.5	2851.1	2879.4	2884.1
8°	2775.5	2783.3	2806.2	2836.9	2843.2
9°	2710.9	2722.7	2748.7	2785.7	2789.6
10°	2625.9	2635.3	2671.5	2702.2	2712.5
11°	2515.6	2523.5	2555.8	2605.4	2611.7
12°	2381.8	2391.2	2433.0	2465.2	2471.5
13°	2212.5	2230.6	2281.0	2312.5	2329.8
14°	2038.5	2062.9	2099.1	2144.0	2133.0
15°	1848.7	1881.0	1916.5	1936.9	1936.1
17.5°	1383.4	1402.3	1433.8	1445.6	1461.4
20°	904.7	929.1	957.4	968.5	959.8
22.5°	561.4	567.7	576.4	581.1	579.5
25°	330.7	335.4	340.9	344.1	342.5
27.5°	199.2	210.2	218.1	208.7	203.1
30°	128.3	133.1	147.2	134.6	126.0
32.5°	76.4	87.4	99.2	84.2	73.2
35°	44.1	52.0	66.9	51.2	42.5
37.5°	28.3	32.3	43.3	31.5	27.6
40°	17.3	22.0	26.8	20.5	16.5
42.5°	8.7	13.4	15.7	11.8	8.7
45°	3.9	6.3	10.2	6.3	3.9
47.5°	2.4	3.1	6.3	3.1	2.4
50°	2.4	2.4	3.9	2.4	2.4
52.5°	2.4	2.4	2.4	2.4	2.4
55°	2.4	2.4	2.4	2.4	2.4
57.5°	2.4	2.4	2.4	2.4	2.4
60°	2.4	2.4	2.4	2.4	2.4
62.5°	1.6	1.6	1.6	1.6	1.6
65°	1.6	1.6	1.6	1.6	1.6
67.5°	1.6	1.6	1.6	1.6	1.6
70°	0.8	0.8	0.8	0.8	0.8
72.5°	0.8	0.8	0.8	0.8	0.8
75°	0.8	0.8	0.8	0.8	0.8
77.5°	0.8	0.8	0.8	0.8	0.8
80°	0.8	0.8	0.8	0.8	0.8
82.5°	0.8	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)