

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: P1312391

Luminaire Tested: LDSQA3D09R309050DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312391
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R309050DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

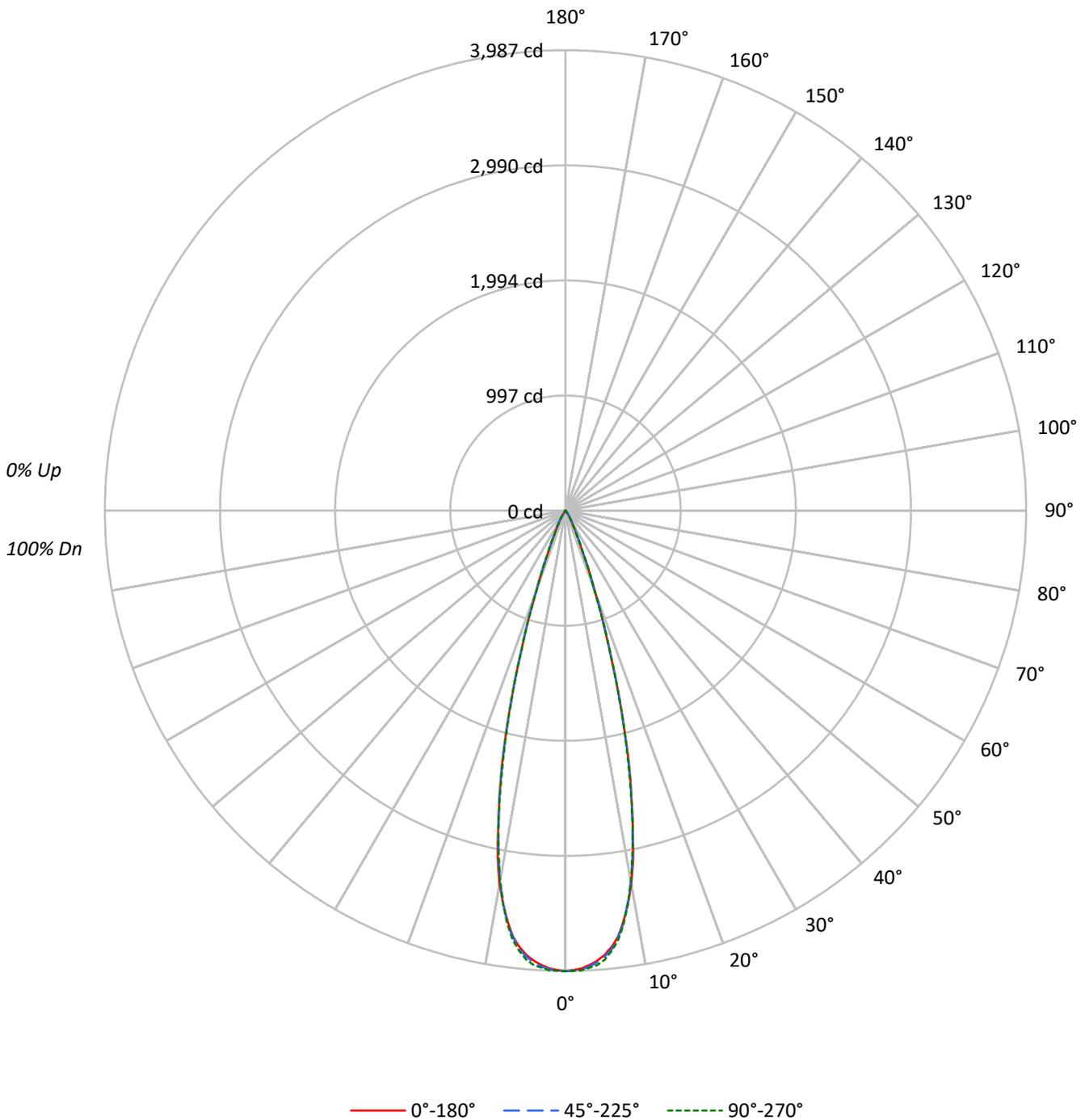
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1037.0 lumens
Efficiency: N/A
Efficacy: 93.4 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 (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				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	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	98	97	97	97
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	94	94	94
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	91	91	91
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	88	88	88
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85	85	85	85
6	99	93	89	86	98	92	88	85	91	87	85	90	87	84	88	86	84	83	83	83	83
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	84	82	81	81	81	81
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	78	78	78	78
9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	76	76	76	76
10	89	82	78	76	88	82	78	76	81	78	76	81	78	75	80	77	75	74	74	74	74

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	686703	686703	686703
5°	667872	670776	674925
10°	574304	569407	569967
15°	352887	350035	350320
20°	134304	134598	132105
25°	42718	44998	42870
30°	17182	21318	17659
35°	5550	9419	5550
40°	2518	4137	2518
45°	974	1754	974
50°	429	857	429
55°	480	480	480
60°	551	551	551
65°	326	326	326
70°	403	403	403
75°	532	532	532
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1754 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	351.7	33.9
10°-20°	521.8	50.3
20°-30°	129.6	12.5
30°-40°	25.9	2.5
40°-50°	4.7	0.5
50°-60°	1.5	0.1
60°-70°	1.1	0.1
70°-80°	0.7	0.1
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°	1003.1	96.7
0°-40°	1029.0	99.2
0°-60°	1035.2	99.8
0°-90°	1037.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1037.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3987	3987	3987	3987	3987	
5°	3863	3876	3880	3886	3904	351
15°	1979	1983	1963	1970	1965	524
25°	225	230	237	234	226	126
35°	26	34	45	34	26	21
45°	4	5	7	6	4	3
55°	2	2	2	2	2	1
65°	1	1	1	1	1	1
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°	3987.3	3987.3	3987.3	3987.3	3987.3
1°	3978.5	3983.3	3986.5	3986.5	3986.5
2°	3967.3	3970.5	3975.3	3976.1	3982.5
3°	3940.9	3948.1	3956.1	3960.9	3964.1
4°	3908.8	3918.4	3923.2	3935.2	3945.7
5°	3863.2	3876.0	3880.0	3885.6	3904.0
6°	3801.6	3811.2	3819.2	3821.6	3832.8
7°	3720.0	3724.8	3723.2	3727.2	3747.2
8°	3596.0	3597.6	3611.2	3602.4	3616.0
9°	3448.8	3442.4	3439.2	3445.6	3446.4
10°	3284.0	3262.4	3256.0	3250.4	3259.2
11°	3070.4	3042.4	3044.8	3043.2	3030.4
12°	2804.8	2801.6	2780.8	2784.8	2804.0
13°	2533.6	2539.2	2535.2	2540.0	2518.4
14°	2279.2	2252.0	2259.2	2232.0	2242.4
15°	1979.2	1983.2	1963.2	1969.6	1964.8
17.5°	1267.2	1276.0	1269.6	1264.0	1272.8
20°	732.8	732.0	734.4	727.2	720.8
22.5°	385.6	391.2	398.4	399.2	404.0
25°	224.8	229.6	236.8	233.6	225.6
27.5°	137.6	146.4	157.6	149.6	140.0
30°	86.4	93.6	107.2	94.4	88.8
32.5°	48.8	59.2	70.4	59.2	48.8
35°	26.4	34.4	44.8	33.6	26.4
37.5°	17.6	20.0	29.6	20.0	17.6
40°	11.2	13.6	18.4	13.6	11.2
42.5°	6.4	8.8	10.4	8.8	6.4
45°	4.0	4.8	7.2	5.6	4.0
47.5°	1.6	2.4	4.8	2.4	2.4
50°	1.6	1.6	3.2	1.6	1.6
52.5°	1.6	1.6	1.6	1.6	1.6
55°	1.6	1.6	1.6	1.6	1.6
57.5°	1.6	1.6	1.6	1.6	1.6
60°	1.6	1.6	1.6	1.6	1.6
62.5°	1.6	1.6	1.6	1.6	1.6
65°	0.8	0.8	0.8	0.8	0.8
67.5°	0.8	0.8	0.8	0.8	0.8
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°	0.0	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)