

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: P1317292

Luminaire Tested: LDSQA3D09R159827DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317292
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R159827DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 98CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

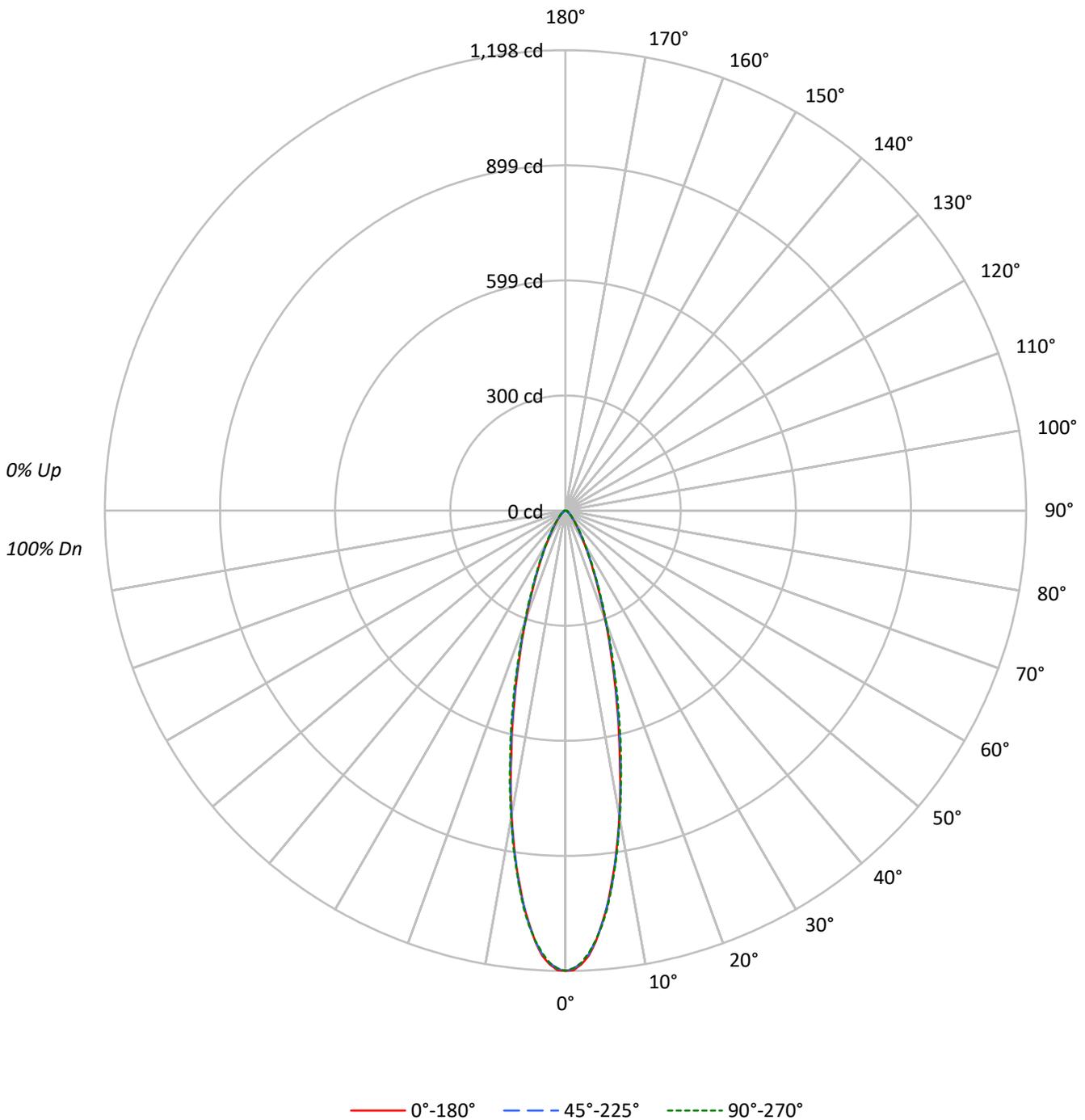
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 396.0 lumens
Efficiency: N/A
Efficacy: 36.0 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	96	96	96	94
2	109	104	101	97	107	103	99	96	99	97	94	97	94	92	94	92	90	90	90	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	85	85	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	81	81	81	80
5	96	88	83	79	94	87	83	79	86	82	78	84	80	78	83	79	77	77	77	77	76
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	73	73	73	72
7	88	80	75	71	87	80	75	71	79	74	71	77	74	71	76	73	70	70	70	70	69
8	85	77	72	68	84	76	72	68	75	71	68	74	70	68	74	70	67	67	67	67	66
9	82	74	69	65	81	73	69	65	73	68	65	72	68	65	71	67	65	65	65	65	64
10	79	71	66	63	78	71	66	63	70	66	63	69	65	62	69	65	62	62	62	62	61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	206237	206237	206237
5°	186797	187160	187420
10°	141040	141390	142107
15°	91485	92483	94284
20°	55074	55734	56467
25°	32172	32856	33331
30°	18912	19509	19827
35°	11648	12089	12299
40°	7666	7891	8004
45°	5334	5456	5578
50°	3939	4099	4233
55°	3213	3363	3363
60°	2790	2790	2790
65°	2486	2486	2486
70°	2065	2316	2316
75°	2063	2063	2063
80°	1488	1984	1984
85°	988	988	988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°
 Vertical Angle: 45°
 Luminance: 5578 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.3	23.8
10°-20°	144.2	36.4
20°-30°	82.0	20.7
30°-40°	37.4	9.4
40°-50°	18.0	4.5
50°-60°	10.0	2.5
60°-70°	6.1	1.5
70°-80°	3.3	0.8
80°-90°	0.7	0.2
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°	320.5	80.9
0°-40°	357.9	90.4
0°-60°	385.9	97.4
0°-90°	396.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	396.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1198	1198	1198	1198	1198	
5°	1080	1080	1083	1083	1084	94
15°	513	516	519	526	529	142
25°	169	169	173	174	175	80
35°	55	56	58	58	58	36
45°	22	22	22	23	23	17
55°	11	11	11	11	11	10
65°	6	6	6	6	6	6
75°	3	3	3	3	3	3
85°	0	0	0	0	0	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1197.5	1197.5	1197.5	1197.5	1197.5
1°	1196.5	1193.4	1192.4	1191.9	1190.9
2°	1181.2	1178.7	1178.2	1178.2	1177.6
3°	1159.9	1155.3	1155.8	1154.3	1152.7
4°	1123.7	1121.7	1122.7	1123.7	1121.7
5°	1080.5	1080.0	1082.6	1082.6	1084.1
6°	1035.8	1035.3	1033.7	1037.8	1039.8
7°	978.8	981.9	985.9	983.9	985.4
8°	927.0	923.4	924.9	930.0	930.5
9°	865.9	863.4	870.0	872.0	872.6
10°	806.5	809.0	808.5	815.6	812.6
12.5°	651.4	655.4	660.0	663.1	666.1
15°	513.1	515.6	518.7	525.8	528.8
17.5°	394.6	397.6	400.7	406.8	407.8
20°	300.5	302.0	304.1	309.7	308.1
22.5°	224.7	227.3	229.3	231.9	233.4
25°	169.3	169.3	172.9	174.4	175.4
27.5°	126.1	127.1	129.7	131.7	131.2
30°	95.1	96.6	98.1	99.2	99.7
32.5°	73.2	73.2	74.7	76.3	76.8
35°	55.4	56.4	57.5	58.5	58.5
37.5°	43.2	43.7	44.7	45.3	45.3
40°	34.1	34.1	35.1	35.6	35.6
42.5°	26.9	27.5	28.0	28.5	28.5
45°	21.9	21.9	22.4	22.9	22.9
47.5°	17.8	17.8	18.3	18.8	18.8
50°	14.7	15.3	15.3	15.8	15.8
52.5°	12.7	12.7	12.7	13.2	13.2
55°	10.7	10.7	11.2	11.2	11.2
57.5°	9.2	9.2	9.2	9.7	9.7
60°	8.1	8.1	8.1	8.1	8.1
62.5°	7.1	7.1	7.1	7.1	7.1
65°	6.1	6.1	6.1	6.1	6.1
67.5°	5.1	5.1	5.1	5.6	5.6
70°	4.1	4.6	4.6	4.6	4.6
72.5°	3.6	3.6	3.6	3.6	3.6
75°	3.1	3.1	3.1	3.1	3.1
77.5°	2.5	2.5	2.5	2.5	2.5
80°	1.5	2.0	2.0	2.0	2.0
82.5°	1.0	1.0	1.0	1.0	1.0
85°	0.5	0.5	0.5	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)