

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: P1318946

Luminaire Tested: LDSQA3D05R309835DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318946
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R309835DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 98CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

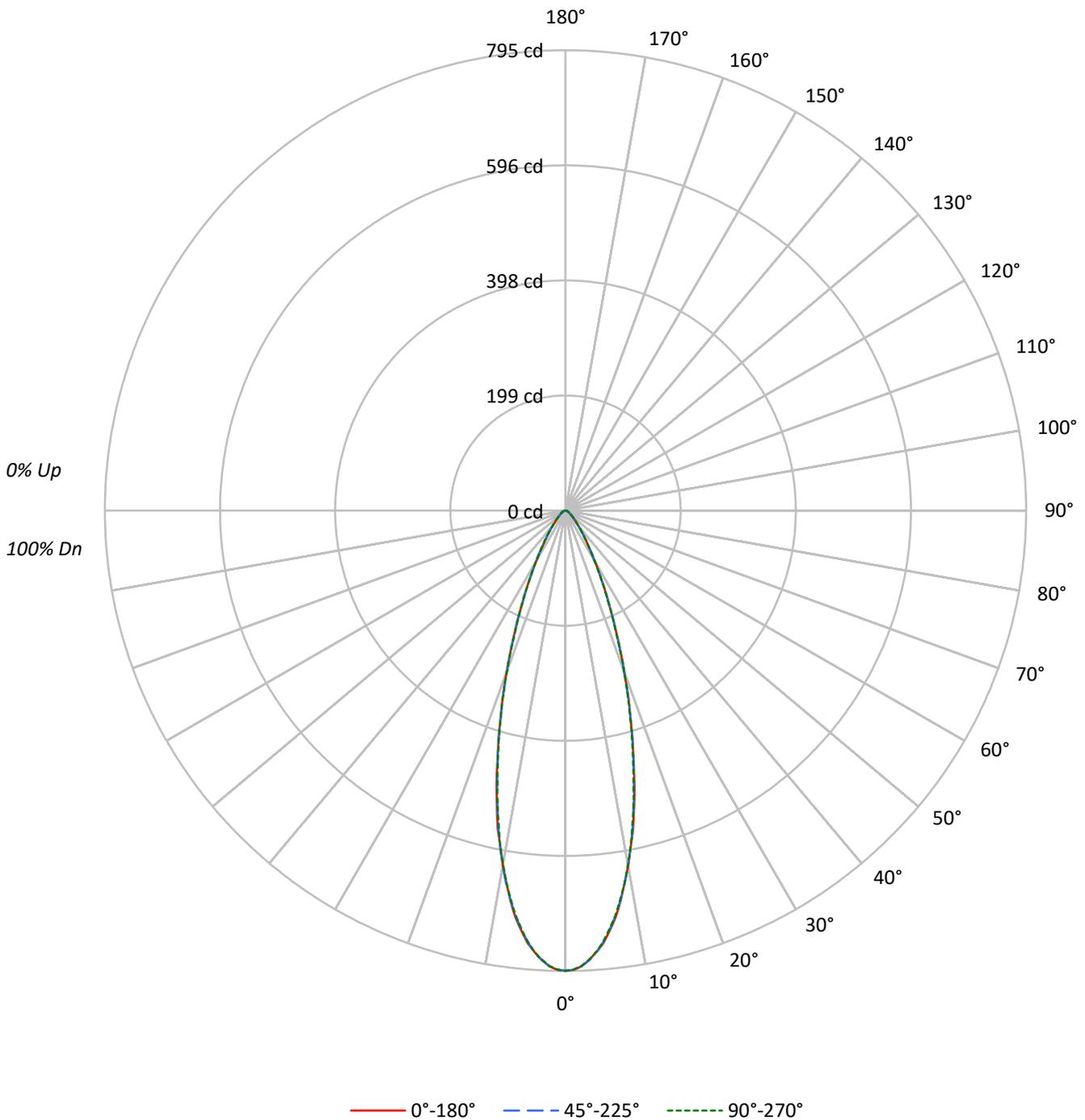
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 349.0 lumens
Efficiency: N/A
Efficacy: 48.5 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	106	111	109	107	105	105	103	101	101	100	98	98	97	96	96	96	96	94
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	90	90	90	90	88
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	84	84	84	83
4	99	92	87	83	97	91	86	82	89	84	81	87	83	80	85	82	79	79	79	79	78
5	95	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	75	75	75	74
6	90	82	77	73	89	82	76	73	80	76	72	79	75	72	77	74	71	71	71	71	70
7	87	78	73	69	86	78	72	69	76	72	68	75	71	68	74	71	68	68	68	68	66
8	83	75	69	66	82	74	69	65	73	68	65	72	68	65	71	67	65	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	65	62	62	62	62	61
10	77	68	63	60	76	68	63	60	67	63	59	66	62	59	66	62	59	59	59	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	136865	136865	136865
5°	129574	129245	129176
10°	108862	108862	108443
15°	81108	80894	80412
20°	54286	53993	54066
25°	33464	33388	33540
30°	20125	20125	20205
35°	12341	12341	12425
40°	7824	7824	7981
45°	5358	5456	5456
50°	3939	3939	3939
55°	3003	3123	3123
60°	2514	2514	2652
65°	2201	2201	2201
70°	1964	2115	2115
75°	1797	1797	1797
80°	1488	1488	1488
85°	790	790	790

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 5456 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.4	19.3
10°-20°	124.4	35.6
20°-30°	82.7	23.7
30°-40°	38.2	11.0
40°-50°	17.8	5.1
50°-60°	9.5	2.7
60°-70°	5.5	1.6
70°-80°	2.9	0.8
80°-90°	0.6	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°	274.5	78.6
0°-40°	312.7	89.6
0°-60°	339.9	97.4
0°-90°	349.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	349.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	795	795	795	795	795	
5°	750	748	748	750	747	67
15°	455	456	454	454	451	125
25°	176	176	176	176	176	83
35°	59	58	59	59	59	38
45°	22	22	22	22	22	18
55°	10	10	10	10	10	9
65°	5	5	5	5	5	5
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°	794.7	794.7	794.7	794.7	794.7
1°	793.1	792.4	793.1	794.3	792.7
2°	787.7	787.0	787.0	788.5	787.0
3°	777.3	778.1	777.7	779.2	776.5
4°	764.2	763.8	765.3	766.1	763.8
5°	749.5	748.0	747.6	749.5	747.2
6°	729.4	728.3	727.5	729.8	726.7
7°	707.8	707.0	705.9	706.6	704.3
8°	681.1	680.8	680.0	680.8	678.1
9°	651.4	651.4	653.0	652.6	651.0
10°	622.5	623.2	622.5	623.2	620.1
11°	590.0	590.0	590.8	590.4	590.8
12°	561.8	558.7	558.0	557.2	554.9
13°	525.5	523.2	522.4	523.2	522.1
14°	492.3	490.8	486.9	487.7	486.1
15°	454.9	456.4	453.7	453.7	451.0
17.5°	371.9	370.3	371.1	371.5	370.3
20°	296.2	295.4	294.6	293.9	295.0
22.5°	230.1	230.5	229.8	229.0	228.2
25°	176.1	175.7	175.7	175.7	176.5
27.5°	133.6	133.6	133.6	134.0	134.0
30°	101.2	100.4	101.2	101.6	101.6
32.5°	75.7	76.5	76.8	76.8	76.8
35°	58.7	58.3	58.7	59.1	59.1
37.5°	44.8	44.8	45.2	45.2	45.6
40°	34.8	34.8	34.8	35.1	35.5
42.5°	27.4	27.4	27.8	27.8	28.2
45°	22.0	22.0	22.4	22.4	22.4
47.5°	17.8	17.8	18.1	18.1	18.1
50°	14.7	14.7	14.7	14.7	14.7
52.5°	12.4	12.0	12.4	12.4	12.4
55°	10.0	10.4	10.4	10.4	10.4
57.5°	8.5	8.9	8.9	8.9	8.9
60°	7.3	7.3	7.3	7.7	7.7
62.5°	6.2	6.6	6.6	6.6	6.6
65°	5.4	5.4	5.4	5.4	5.4
67.5°	4.6	4.6	4.6	4.6	5.0
70°	3.9	3.9	4.2	4.2	4.2
72.5°	3.5	3.5	3.5	3.5	3.5
75°	2.7	2.7	2.7	2.7	2.7
77.5°	1.9	1.9	2.3	2.3	1.9
80°	1.5	1.5	1.5	1.5	1.5
82.5°	1.2	1.2	1.2	1.2	1.2
85°	0.4	0.4	0.4	0.4	0.4
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)