

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: P1313309

Luminaire Tested: LDSQA3D05R159727DE010 3LSQPHRL1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313309
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: LDSQA3D05R159727DE010 3LSQPHRL1MMS
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 97CRI , 3LSQPHRL1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

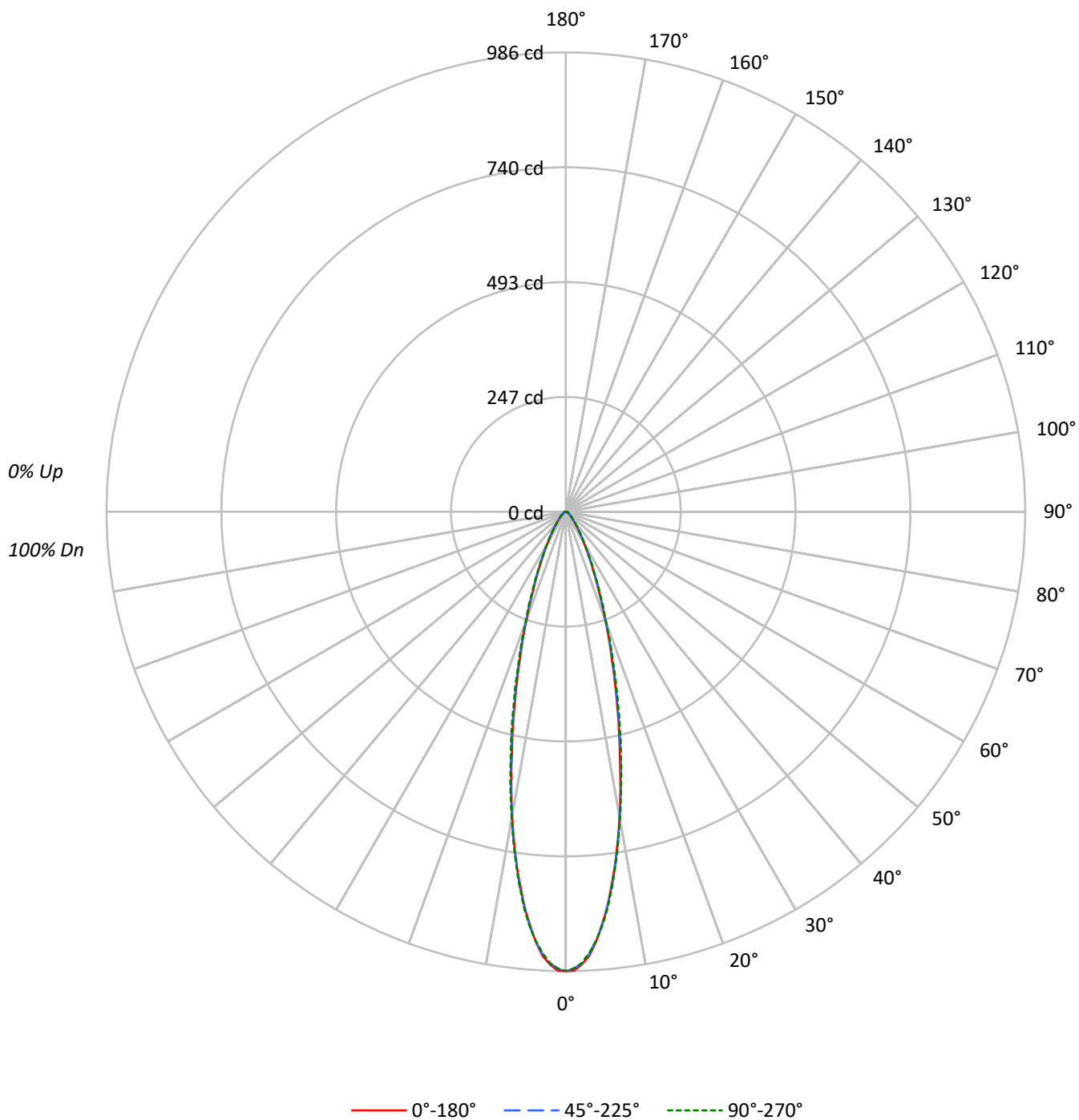
Lumens per Lamp: N/A
Luminaire Lumens: 326.0 lumens
Efficiency: N/A
Efficacy: 45.3 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94		
2	109	104	101	97	107	103	99	96	99	97	94	97	94	92	94	92	90	89		
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	84		
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	80		
5	96	88	83	79	94	87	83	79	86	82	78	84	80	78	83	79	77	76		
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	72		
7	88	80	75	71	87	80	75	71	79	74	71	77	74	71	76	73	70	69		
8	85	77	72	68	84	76	72	68	75	71	68	74	70	68	74	70	67	66		
9	82	74	69	65	81	73	69	65	73	68	65	72	68	65	71	67	65	64		
10	79	71	66	63	78	71	66	63	70	66	63	69	65	62	69	65	62	61		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	169777	169777	169777
5°	153777	154071	154296
10°	116102	116400	116977
15°	75313	76133	77613
20°	45342	45874	46497
25°	26490	27041	27440
30°	15571	16068	16307
35°	9587	9945	10113
40°	6295	6497	6587
45°	4384	4481	4579
50°	3242	3376	3483
55°	2642	2762	2762
60°	2308	2308	2308
65°	2038	2038	2038
70°	1662	1913	1913
75°	1664	1664	1664
80°	1289	1686	1686
85°	790	790	790

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 4579 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.7	23.8
10°-20°	118.7	36.4
20°-30°	67.5	20.7
30°-40°	30.8	9.4
40°-50°	14.8	4.5
50°-60°	8.3	2.5
60°-70°	5.1	1.6
70°-80°	2.7	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°	263.9	80.9
0°-40°	294.6	90.4
0°-60°	317.7	97.5
0°-90°	326.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	326.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	986	986	986	986	986	
5°	890	889	891	891	892	78
15°	422	424	427	433	435	117
25°	139	139	142	144	144	66
35°	46	46	47	48	48	30
45°	18	18	18	19	19	14
55°	9	9	9	9	9	8
65°	5	5	5	5	5	5
75°	2	2	2	2	2	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°	985.8	985.8	985.8	985.8	985.8
1°	985.0	982.5	981.6	981.2	980.4
2°	972.4	970.3	969.9	969.9	969.5
3°	954.8	951.1	951.5	950.2	949.0
4°	925.1	923.4	924.3	925.1	923.4
5°	889.5	889.1	891.2	891.2	892.5
6°	852.7	852.3	851.0	854.4	856.0
7°	805.8	808.3	811.7	810.0	811.2
8°	763.1	760.2	761.4	765.6	766.0
9°	712.9	710.8	716.2	717.9	718.3
10°	663.9	666.0	665.6	671.4	668.9
12.5°	536.2	539.6	543.3	545.9	548.4
15°	422.4	424.5	427.0	432.8	435.3
17.5°	324.8	327.3	329.9	334.9	335.7
20°	247.4	248.6	250.3	254.9	253.7
22.5°	185.0	187.1	188.8	190.9	192.1
25°	139.4	139.4	142.3	143.6	144.4
27.5°	103.8	104.6	106.7	108.4	108.0
30°	78.3	79.5	80.8	81.6	82.0
32.5°	60.3	60.3	61.5	62.8	63.2
35°	45.6	46.5	47.3	48.1	48.1
37.5°	35.6	36.0	36.8	37.3	37.3
40°	28.0	28.0	28.9	29.3	29.3
42.5°	22.2	22.6	23.0	23.4	23.4
45°	18.0	18.0	18.4	18.8	18.8
47.5°	14.7	14.7	15.1	15.5	15.5
50°	12.1	12.6	12.6	13.0	13.0
52.5°	10.5	10.5	10.5	10.9	10.9
55°	8.8	8.8	9.2	9.2	9.2
57.5°	7.5	7.5	7.5	8.0	8.0
60°	6.7	6.7	6.7	6.7	6.7
62.5°	5.9	5.9	5.9	5.9	5.9
65°	5.0	5.0	5.0	5.0	5.0
67.5°	4.2	4.2	4.2	4.6	4.6
70°	3.3	3.8	3.8	3.8	3.8
72.5°	2.9	2.9	2.9	2.9	2.9
75°	2.5	2.5	2.5	2.5	2.5
77.5°	2.1	2.1	2.1	2.1	2.1
80°	1.3	1.7	1.7	1.7	1.7
82.5°	0.8	0.8	0.8	0.8	0.8
85°	0.4	0.4	0.4	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)