

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: P1313360

Luminaire Tested: LDSQA3D05R309727DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313360
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R309727DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 97CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

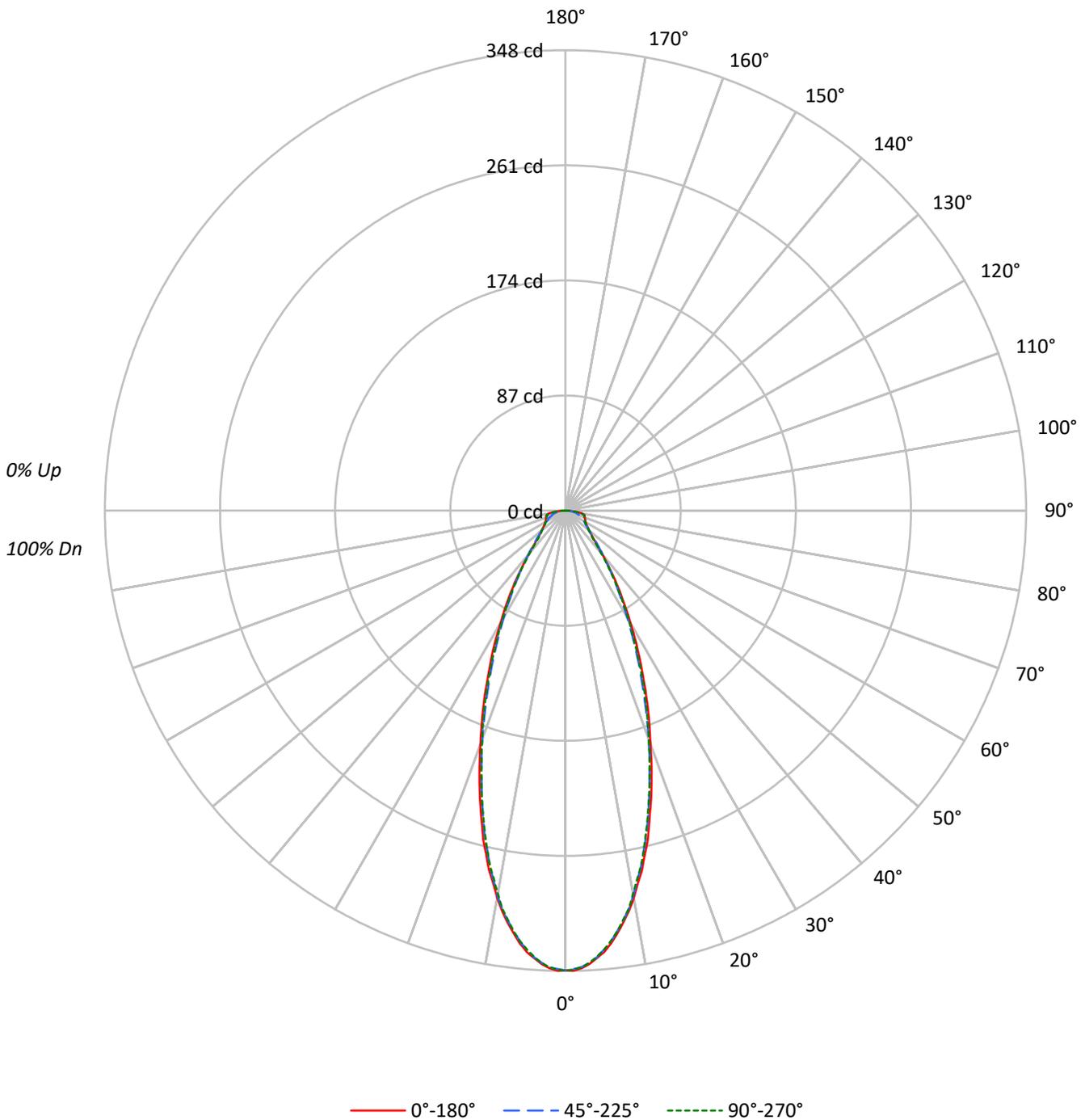
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 274.0 lumens
Efficiency: N/A
Efficacy: 38.1 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7
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 (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	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	91	91	91	89
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	81	81	81	79
3	97	89	83	78	95	88	82	77	85	80	76	83	78	75	80	77	74	74	74	74	72
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	67	67	67	66
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	62	62	62	61
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	58	58	58	56
7	77	67	60	55	76	66	60	55	65	59	55	63	58	54	62	57	54	54	54	54	52
8	74	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	51	51	51	51	49
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	48	48	48	46
10	67	56	50	45	66	56	49	45	55	49	45	54	49	45	53	48	45	45	45	45	43

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	59847	59847	59847
5°	57898	57604	57604
10°	51957	51659	51450
15°	43540	42881	42792
20°	34382	33686	33686
25°	26319	25274	25749
30°	19529	18534	18952
35°	14107	13498	13582
40°	9712	9915	9442
45°	7258	7575	6941
50°	6296	6189	6189
55°	5915	5675	5795
60°	6062	5649	5924
65°	6683	5624	6479
70°	7805	5690	7604
75°	10048	6122	9782
80°	12497	6645	11604
85°	9880	6719	9090

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 12497 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.6	11.2
10°-20°	66.6	24.3
20°-30°	62.1	22.7
30°-40°	41.2	15.0
40°-50°	24.0	8.8
50°-60°	17.5	6.4
60°-70°	14.7	5.4
70°-80°	12.2	4.5
80°-90°	5.1	1.9
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°	159.3	58.2
0°-40°	200.5	73.2
0°-60°	242.0	88.3
0°-90°	274.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	274.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	348	348	348	348	348	
5°	335	334	333	333	333	31
15°	244	242	240	240	240	67
25°	138	136	133	133	136	64
35°	67	66	64	65	65	42
45°	30	30	31	29	28	24
55°	20	19	19	19	19	18
65°	16	15	14	15	16	16
75°	15	11	9	11	15	15
85°	5	6	3	6	5	6
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	347.5	347.5	347.5	347.5	347.5
1°	347.9	347.5	346.6	347.0	347.0
2°	346.2	345.8	345.4	345.4	345.4
3°	343.3	342.8	342.4	342.4	342.4
4°	339.1	338.6	338.6	338.2	338.2
5°	334.9	334.5	333.2	333.2	333.2
6°	329.0	328.6	327.7	327.3	327.3
7°	321.9	321.9	320.6	320.2	320.6
8°	314.3	313.9	313.1	312.6	312.6
9°	306.3	305.1	305.1	303.8	304.7
10°	297.1	296.3	295.4	294.6	294.2
11°	286.6	286.2	284.9	284.1	283.7
12°	277.8	275.7	274.9	273.6	274.4
13°	266.5	265.2	263.1	262.7	263.1
14°	256.8	254.3	252.6	251.8	251.4
15°	244.2	241.7	240.5	240.0	240.0
17.5°	216.1	214.4	211.1	211.1	211.1
20°	187.6	185.9	183.8	183.4	183.8
22.5°	162.8	159.9	156.5	156.9	159.5
25°	138.5	136.0	133.0	133.4	135.5
27.5°	117.9	114.6	111.6	112.5	113.7
30°	98.2	96.1	93.2	94.0	95.3
32.5°	81.4	80.2	76.8	77.6	78.9
35°	67.1	65.9	64.2	64.6	64.6
37.5°	53.7	53.7	53.3	52.9	52.5
40°	43.2	44.1	44.1	42.8	42.0
42.5°	35.2	36.1	36.9	35.2	34.0
45°	29.8	30.2	31.1	29.4	28.5
47.5°	26.0	26.0	26.9	25.6	25.2
50°	23.5	23.5	23.1	22.7	23.1
52.5°	21.4	21.0	20.6	21.0	21.0
55°	19.7	19.3	18.9	19.3	19.3
57.5°	18.5	18.0	17.6	17.6	18.0
60°	17.6	16.8	16.4	16.8	17.2
62.5°	16.8	15.5	15.1	15.5	16.4
65°	16.4	14.7	13.8	14.7	15.9
67.5°	15.9	13.8	12.6	13.8	15.5
70°	15.5	13.0	11.3	13.0	15.1
72.5°	15.1	12.2	10.5	12.2	15.1
75°	15.1	11.3	9.2	11.3	14.7
77.5°	14.3	10.5	8.0	10.5	13.8
80°	12.6	9.7	6.7	9.2	11.7
82.5°	9.2	8.4	5.0	8.0	8.8
85°	5.0	5.9	3.4	5.5	4.6
87.5°	0.8	1.3	0.8	2.5	1.7



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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)