

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: P1315629

Luminaire Tested: LDSQA3D13R309735DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315629
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: LDSQA3D13R309735DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 97CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

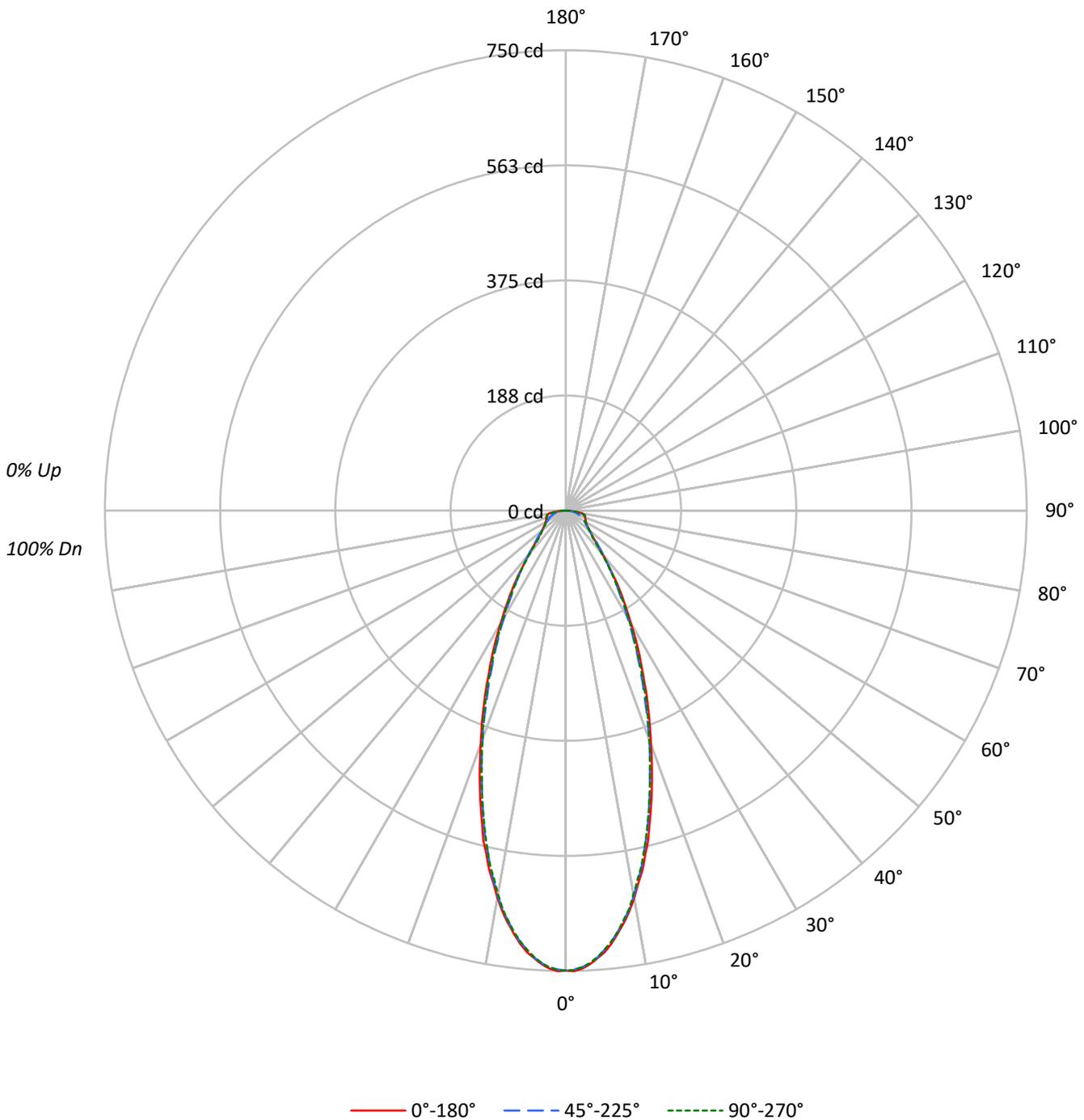
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 591.0 lumens
Efficiency: N/A
Efficacy: 40.5 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): 14.6
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	100	100	100	100
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89	89	89	89
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	79	79	79	79
3	97	89	83	78	95	88	82	77	85	80	76	83	78	75	80	77	74	72	72	72	72
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66	66	66	66
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61	61	61	61
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	56	56	56	56
7	77	67	60	55	76	66	60	55	65	59	55	63	58	54	62	57	54	52	52	52	52
8	74	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	51	49	49	49	49
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	46	46	46	46
10	67	56	50	45	66	56	49	45	55	49	45	54	49	45	53	48	45	43	43	43	43

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	129064	129064	129064
5°	124872	124249	124249
10°	112063	111433	110961
15°	93927	92465	92305
20°	74153	72650	72650
25°	56761	54519	55564
30°	42120	39952	40867
35°	30443	29119	29308
40°	20953	21358	20346
45°	15661	16318	14979
50°	13584	13343	13343
55°	12761	12221	12491
60°	13089	12159	12779
65°	14385	12185	14018
70°	16869	12287	16416
75°	21693	13242	21094
80°	26977	14381	25092
85°	21539	14227	19760

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 26977 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.1	11.2
10°-20°	143.7	24.3
20°-30°	133.9	22.7
30°-40°	88.8	15.0
40°-50°	51.7	8.8
50°-60°	37.6	6.4
60°-70°	31.8	5.4
70°-80°	26.3	4.5
80°-90°	11.0	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°	343.7	58.2
0°-40°	432.5	73.2
0°-60°	521.9	88.3
0°-90°	591.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	591.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	749	749	749	749	749	
5°	722	721	719	719	719	66
15°	527	521	519	518	518	146
25°	299	293	287	288	292	138
35°	145	142	138	139	139	91
45°	64	65	67	63	62	52
55°	42	42	41	42	42	39
65°	35	32	30	32	34	35
75°	33	24	20	24	32	33
85°	11	13	7	12	10	13
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	749.4	749.4	749.4	749.4	749.4
1°	750.4	749.4	747.6	748.5	748.5
2°	746.7	745.8	744.9	744.9	744.9
3°	740.4	739.5	738.6	738.6	738.6
4°	731.3	730.4	730.4	729.5	729.5
5°	722.3	721.4	718.7	718.7	718.7
6°	709.6	708.7	706.9	706.0	706.0
7°	694.2	694.2	691.5	690.6	691.5
8°	677.9	677.0	675.2	674.3	674.3
9°	660.7	658.0	658.0	655.3	657.1
10°	640.8	639.0	637.2	635.4	634.5
11°	618.2	617.3	614.6	612.8	611.9
12°	599.2	594.7	592.9	590.1	592.0
13°	574.8	572.0	567.5	566.6	567.5
14°	553.9	548.5	544.9	543.1	542.2
15°	526.8	521.4	518.6	517.7	517.7
17.5°	466.1	462.5	455.3	455.3	455.3
20°	404.6	401.0	396.4	395.5	396.4
22.5°	351.2	344.9	337.6	338.5	344.0
25°	298.7	293.3	286.9	287.8	292.4
27.5°	254.3	247.1	240.8	242.6	245.3
30°	211.8	207.3	200.9	202.7	205.5
32.5°	175.6	172.9	165.6	167.4	170.2
35°	144.8	142.1	138.5	139.4	139.4
37.5°	115.9	115.9	115.0	114.0	113.1
40°	93.2	95.0	95.0	92.3	90.5
42.5°	76.0	77.8	79.7	76.0	73.3
45°	64.3	65.2	67.0	63.4	61.5
47.5°	56.1	56.1	57.9	55.2	54.3
50°	50.7	50.7	49.8	48.9	49.8
52.5°	46.2	45.3	44.4	45.3	45.3
55°	42.5	41.6	40.7	41.6	41.6
57.5°	39.8	38.9	38.0	38.0	38.9
60°	38.0	36.2	35.3	36.2	37.1
62.5°	36.2	33.5	32.6	33.5	35.3
65°	35.3	31.7	29.9	31.7	34.4
67.5°	34.4	29.9	27.2	29.9	33.5
70°	33.5	28.1	24.4	28.1	32.6
72.5°	32.6	26.2	22.6	26.2	32.6
75°	32.6	24.4	19.9	24.4	31.7
77.5°	30.8	22.6	17.2	22.6	29.9
80°	27.2	20.8	14.5	19.9	25.3
82.5°	19.9	18.1	10.9	17.2	19.0
85°	10.9	12.7	7.2	11.8	10.0
87.5°	1.8	2.7	1.8	5.4	3.6



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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)