

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: P1320116

Luminaire Tested: LDSQA3D13R309840DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320116
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: LDSQA3D13R309840DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 98CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

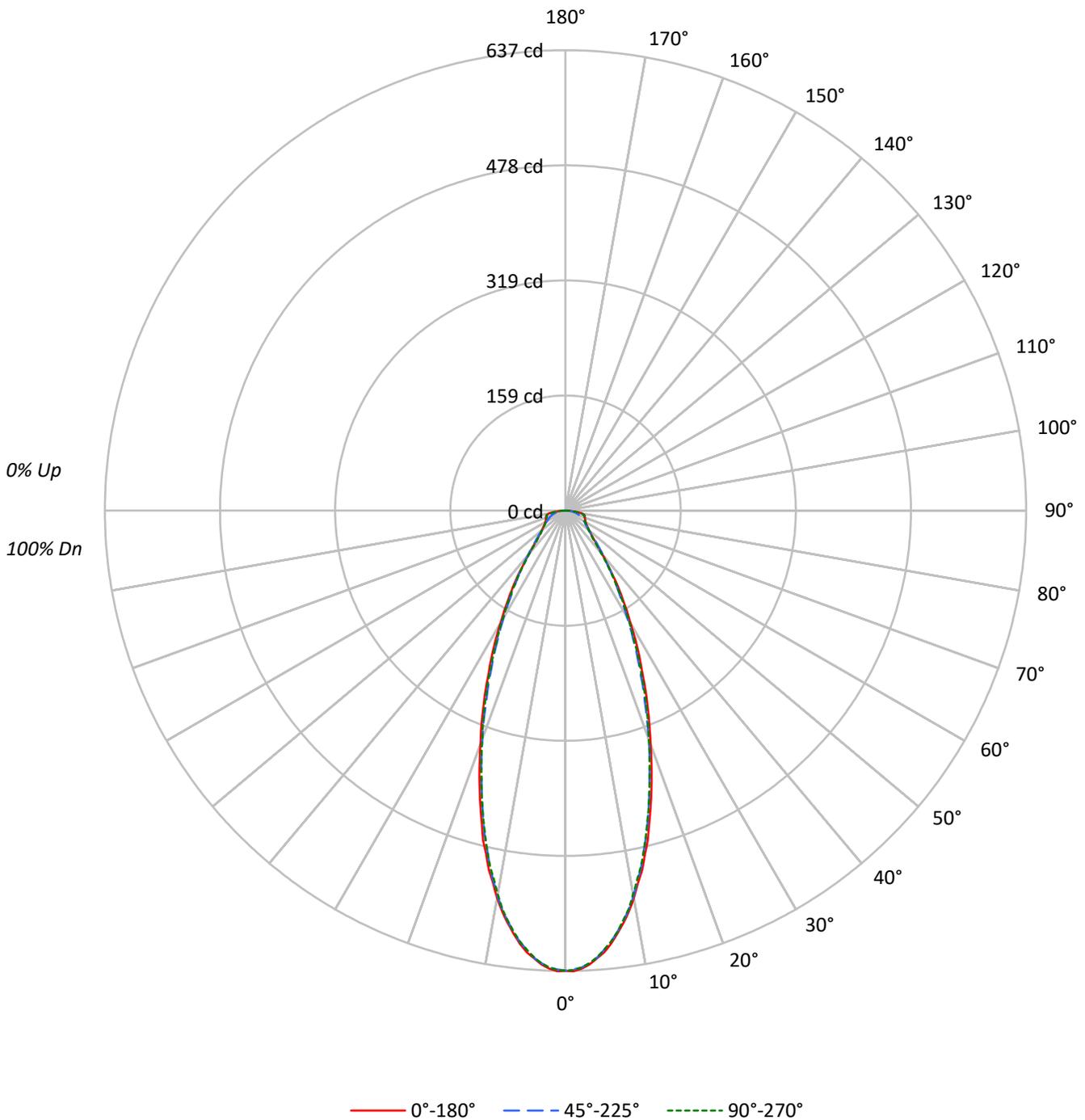
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 502.0 lumens
Efficiency: N/A
Efficacy: 34.6 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): 14.5
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

TEST NUMBER: P1320116
CATALOG NUMBER: LDSQA3D13R309840DE010 3LSQPHRLP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1320116

CATALOG NUMBER: LDSQA3D13R309840DE010 3LSQPHRLP1MW

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°	109637	109637	109637
5°	106062	105526	105526
10°	95187	94662	94243
15°	79788	78540	78415
20°	62992	61709	61709
25°	48210	46309	47184
30°	35776	33946	34702
35°	25860	24725	24893
40°	17806	18143	17289
45°	13298	13859	12738
50°	11548	11333	11333
55°	10839	10389	10629
60°	11126	10333	10850
65°	12225	10351	11899
70°	14301	10474	13948
75°	18432	11246	17900
80°	22910	12199	21323
85°	18180	12251	16796

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 22910 cd/sqm



TEST NUMBER: P1320116

CATALOG NUMBER: LDSQA3D13R309840DE010 3LSQPHRLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.1	11.2
10°-20°	122.1	24.3
20°-30°	113.7	22.7
30°-40°	75.5	15.0
40°-50°	43.9	8.8
50°-60°	32.0	6.4
60°-70°	27.0	5.4
70°-80°	22.4	4.5
80°-90°	9.3	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°	291.9	58.1
0°-40°	367.4	73.2
0°-60°	443.3	88.3
0°-90°	502.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	502.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	637	637	637	637	637	
5°	614	613	610	610	610	56
15°	448	443	440	440	440	124
25°	254	249	244	244	248	117
35°	123	121	118	118	118	77
45°	55	55	57	54	52	44
55°	36	35	35	35	35	33
65°	30	27	25	27	29	30
75°	28	21	17	21	27	28
85°	9	11	6	10	8	11
90°	0	0	0	0	0	



TEST NUMBER: P1320116

CATALOG NUMBER: LDSQA3D13R309840DE010 3LSQPHRLP1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	636.6	636.6	636.6	636.6	636.6
1°	637.4	636.6	635.1	635.8	635.8
2°	634.3	633.5	632.7	632.7	632.7
3°	628.9	628.1	627.4	627.4	627.4
4°	621.2	620.4	620.4	619.7	619.7
5°	613.5	612.8	610.4	610.4	610.4
6°	602.8	602.0	600.5	599.7	599.7
7°	589.7	589.7	587.4	586.6	587.4
8°	575.9	575.1	573.5	572.8	572.8
9°	561.2	558.9	558.9	556.6	558.2
10°	544.3	542.8	541.3	539.7	538.9
11°	525.1	524.3	522.0	520.5	519.7
12°	509.0	505.1	503.6	501.3	502.8
13°	488.2	485.9	482.1	481.3	482.1
14°	470.5	465.9	462.8	461.3	460.5
15°	447.5	442.8	440.5	439.8	439.8
17.5°	395.9	392.9	386.7	386.7	386.7
20°	343.7	340.6	336.7	336.0	336.7
22.5°	298.3	292.9	286.8	287.5	292.2
25°	253.7	249.1	243.7	244.5	248.3
27.5°	216.0	209.9	204.5	206.0	208.4
30°	179.9	176.1	170.7	172.2	174.5
32.5°	149.2	146.8	140.7	142.2	144.5
35°	123.0	120.7	117.6	118.4	118.4
37.5°	98.4	98.4	97.6	96.9	96.1
40°	79.2	80.7	80.7	78.4	76.9
42.5°	64.6	66.1	67.7	64.6	62.3
45°	54.6	55.4	56.9	53.8	52.3
47.5°	47.7	47.7	49.2	46.9	46.1
50°	43.1	43.1	42.3	41.5	42.3
52.5°	39.2	38.4	37.7	38.4	38.4
55°	36.1	35.4	34.6	35.4	35.4
57.5°	33.8	33.1	32.3	32.3	33.1
60°	32.3	30.8	30.0	30.8	31.5
62.5°	30.8	28.4	27.7	28.4	30.0
65°	30.0	26.9	25.4	26.9	29.2
67.5°	29.2	25.4	23.1	25.4	28.4
70°	28.4	23.8	20.8	23.8	27.7
72.5°	27.7	22.3	19.2	22.3	27.7
75°	27.7	20.8	16.9	20.8	26.9
77.5°	26.1	19.2	14.6	19.2	25.4
80°	23.1	17.7	12.3	16.9	21.5
82.5°	16.9	15.4	9.2	14.6	16.1
85°	9.2	10.8	6.2	10.0	8.5
87.5°	1.5	2.3	1.5	4.6	3.1



TEST NUMBER: P1320116
CATALOG NUMBER: LDSQA3D13R309840DE010 3LSQPHRLP1MW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)