

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: P1319223

Luminaire Tested: LDSQA3D13R259835DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319223
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R259835DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 98CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

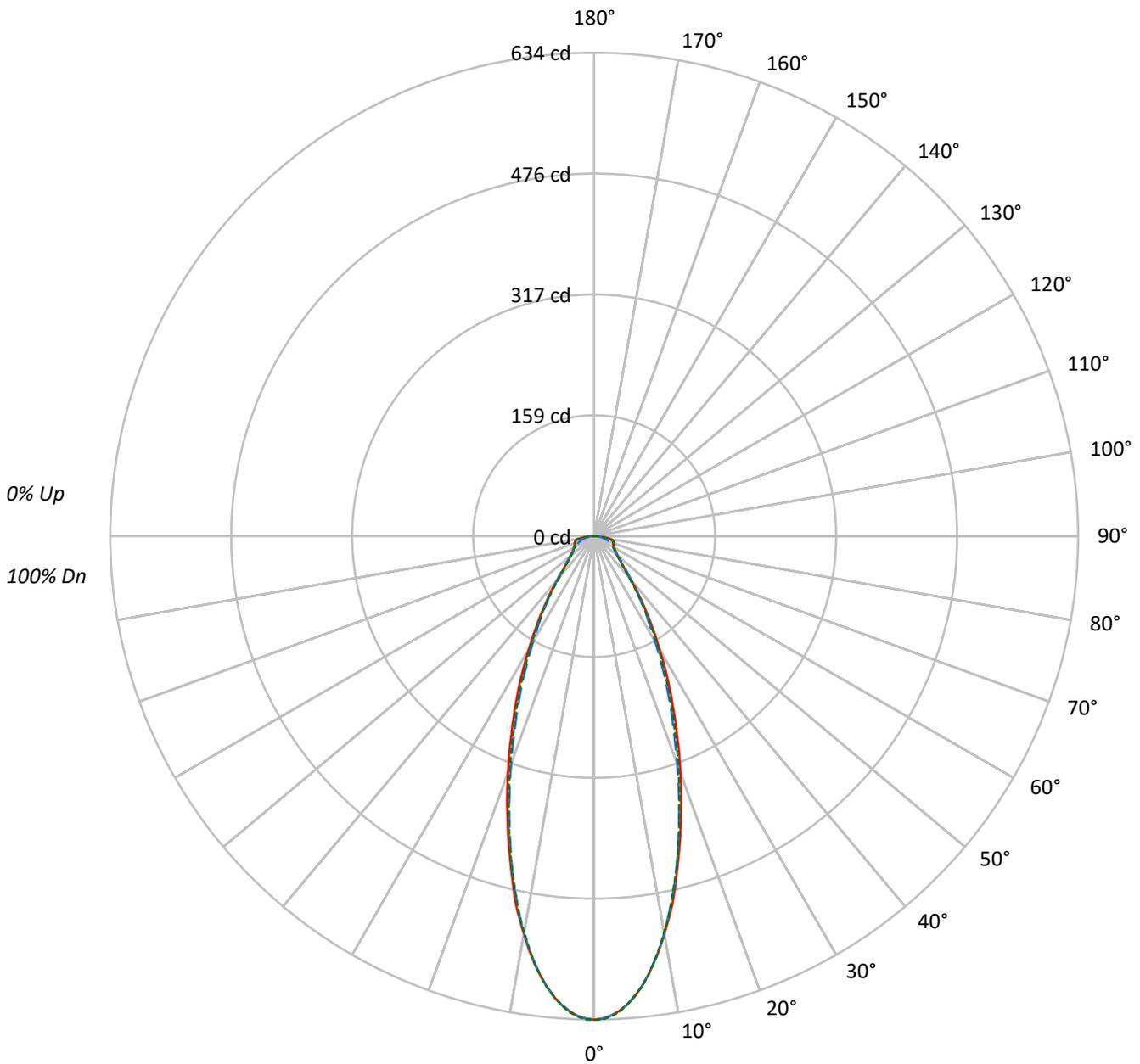
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 479.0 lumens
Efficiency: N/A
Efficacy: 33.0 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68
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

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Luminous Intensity Polar Plot



0% Up
100% Dn

— 0°-180° - - 45°-225° - - - 90°-270°



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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	93	89	85	89	86	83	87	84	81	81	81	81	80
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	74	74	74	72
4	92	83	76	71	90	81	75	70	79	74	69	77	72	69	75	71	68	68	68	68	66
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	63	63	63	63	61
6	82	72	65	60	80	71	64	59	69	63	59	68	62	59	66	62	58	58	58	58	56
7	78	67	60	55	76	66	60	55	65	59	55	64	58	55	62	58	54	54	54	54	53
8	74	63	56	52	72	62	56	52	61	55	51	60	55	51	59	54	51	51	51	51	49
9	70	60	53	49	69	59	53	48	58	52	48	57	52	48	56	51	48	48	48	48	46
10	67	56	50	46	66	56	50	46	55	49	46	54	49	45	53	49	45	45	45	45	44

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	109224	109224	109224
5°	104800	104679	104679
10°	92651	92511	92249
15°	76508	75438	75830
20°	60609	58117	59088
25°	46157	43725	44865
30°	34006	31600	32952
35°	24346	23232	23547
40°	16682	17019	16165
45°	12348	13079	12178
50°	10744	10744	10556
55°	10239	9758	10239
60°	10437	9644	10437
65°	11410	9862	11410
70°	13696	9920	13344
75°	17101	10580	17101
80°	21720	11306	20233
85°	17982	10473	17982

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 21720 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.3	11.6
10°-20°	117.6	24.6
20°-30°	107.8	22.5
30°-40°	71.1	14.8
40°-50°	41.4	8.6
50°-60°	30.2	6.3
60°-70°	25.6	5.4
70°-80°	21.2	4.4
80°-90°	8.7	1.8
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°	280.7	58.6
0°-40°	351.8	73.4
0°-60°	423.4	88.4
0°-90°	479.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	479.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	634	634	634	634	634	
5°	606	606	606	606	606	55
15°	429	428	423	425	425	119
25°	243	236	230	231	236	112
35°	116	114	110	110	112	73
45°	51	52	54	51	50	41
55°	34	34	32	33	34	31
65°	28	26	24	26	28	28
75°	26	20	16	20	26	27
85°	9	10	5	10	9	10
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	634.2	634.2	634.2	634.2	634.2
1°	632.7	632.7	632.7	632.7	634.2
2°	629.7	628.9	629.7	629.7	630.4
3°	623.6	623.6	623.6	623.6	625.1
4°	616.1	616.1	616.1	616.1	616.1
5°	606.2	605.5	605.5	606.2	605.5
6°	594.1	594.1	594.1	594.1	594.9
7°	580.5	579.7	579.7	579.0	580.5
8°	564.6	564.6	563.8	563.1	564.6
9°	548.0	548.7	547.2	546.4	546.4
10°	529.8	529.0	529.0	529.0	527.5
11°	511.6	509.4	508.6	508.6	510.1
12°	493.5	489.7	488.2	488.2	488.2
13°	471.5	470.0	467.7	466.2	467.0
14°	449.6	449.6	445.8	445.8	447.3
15°	429.1	427.6	423.1	424.6	425.3
17.5°	378.4	375.4	370.1	370.1	370.9
20°	330.7	325.4	317.1	320.9	322.4
22.5°	283.8	278.5	270.2	274.0	275.5
25°	242.9	236.1	230.1	230.8	236.1
27.5°	205.9	198.3	192.2	194.5	197.5
30°	171.0	166.5	158.9	162.7	165.7
32.5°	141.5	137.7	132.4	134.7	137.7
35°	115.8	113.5	110.5	110.5	112.0
37.5°	93.8	93.1	91.6	90.8	90.1
40°	74.2	75.7	75.7	74.2	71.9
42.5°	60.5	62.1	63.6	60.5	58.3
45°	50.7	52.2	53.7	50.7	50.0
47.5°	44.7	45.4	46.2	44.7	43.9
50°	40.1	40.1	40.1	39.4	39.4
52.5°	37.1	36.3	35.6	36.3	36.3
55°	34.1	34.1	32.5	33.3	34.1
57.5°	31.8	31.0	30.3	31.0	31.8
60°	30.3	28.8	28.0	28.8	30.3
62.5°	28.8	27.2	25.7	27.2	28.8
65°	28.0	25.7	24.2	25.7	28.0
67.5°	27.2	24.2	21.9	24.2	27.2
70°	27.2	22.7	19.7	22.7	26.5
72.5°	26.5	21.2	18.2	21.2	26.5
75°	25.7	19.7	15.9	19.7	25.7
77.5°	25.0	18.2	13.6	18.2	24.2
80°	21.9	16.7	11.4	16.7	20.4
82.5°	15.9	13.6	9.1	13.6	15.1
85°	9.1	9.8	5.3	9.8	9.1
87.5°	1.5	2.3	1.5	3.8	3.0



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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)