

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: P1318381

Luminaire Tested: LDSQA3D13R359830DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318381
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R359830DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 98CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

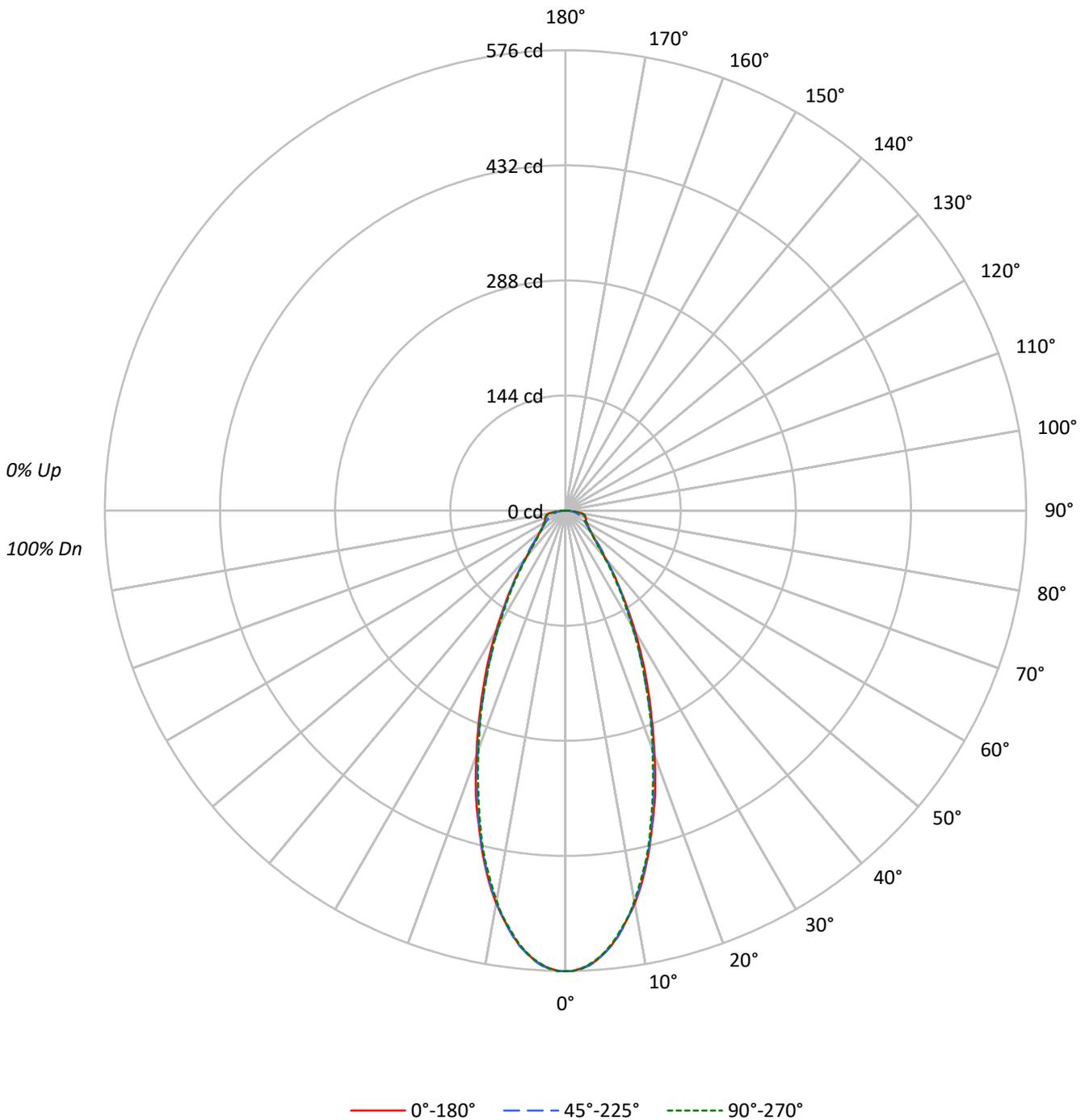
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 477.0 lumens
Efficiency: N/A
Efficacy: 32.9 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.68 / 0.73
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 (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	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	101	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	82	78	75	80	77	74	74	74	74	72
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	67	67	67	65
5	86	76	69	64	84	75	69	64	73	68	63	72	67	63	70	65	62	62	62	62	60
6	82	71	64	59	80	70	64	59	69	63	58	67	62	58	66	61	57	57	57	57	56
7	77	66	60	55	76	66	59	54	64	58	54	63	58	54	62	57	54	54	54	54	52
8	73	62	56	51	72	62	55	51	61	55	51	60	54	50	59	54	50	50	50	50	49
9	70	59	52	48	68	58	52	48	57	52	47	56	51	47	55	51	47	47	47	47	46
10	66	56	49	45	65	55	49	45	54	49	45	53	48	45	53	48	44	44	44	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	99286	99286	99286
5°	96035	96156	96035
10°	87230	87107	86723
15°	74047	73798	73138
20°	59620	58813	58282
25°	46081	44713	44713
30°	34364	33211	32932
35°	24725	24430	23821
40°	17311	17783	16659
45°	12909	13615	12568
50°	11092	11092	10905
55°	10479	10029	10239
60°	10747	9748	10264
65°	11533	9780	11247
70°	13545	10222	13143
75°	16902	10647	16436
80°	21621	11505	19439
85°	17191	11461	17191

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 21621 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.2	10.7
10°-20°	114.3	24.0
20°-30°	109.1	22.9
30°-40°	73.3	15.4
40°-50°	43.0	9.0
50°-60°	30.8	6.5
60°-70°	25.6	5.4
70°-80°	21.0	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°	274.6	57.6
0°-40°	347.9	72.9
0°-60°	421.7	88.4
0°-90°	477.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	477.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	576	576	576	576	576	
5°	556	557	556	556	556	51
15°	415	416	414	411	410	115
25°	242	240	235	235	235	111
35°	118	118	116	114	113	74
45°	53	54	56	53	52	43
55°	35	34	33	33	34	32
65°	28	25	24	25	28	28
75°	25	20	16	20	25	26
85°	9	9	6	9	9	10
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	576.5	576.5	576.5	576.5	576.5
1°	575.8	576.5	576.5	575.8	575.8
2°	572.9	574.3	573.6	572.9	573.6
3°	569.3	570.7	570.0	569.3	568.5
4°	563.5	564.9	564.2	562.7	562.7
5°	555.5	556.9	556.2	555.5	555.5
6°	547.5	548.9	547.5	546.0	546.0
7°	536.6	538.8	537.3	535.9	535.1
8°	524.2	526.4	525.0	524.2	522.8
9°	511.9	513.4	511.2	511.2	511.2
10°	498.8	499.6	498.1	495.9	495.9
11°	484.3	483.6	482.9	481.4	480.0
12°	468.3	468.3	466.2	464.7	464.0
13°	451.6	450.9	449.5	448.0	448.0
14°	434.2	434.2	432.8	429.9	430.6
15°	415.3	416.1	413.9	411.0	410.2
17.5°	372.5	371.0	367.4	365.2	363.1
20°	325.3	324.6	320.9	318.8	318.0
22.5°	281.7	281.0	277.4	275.2	276.6
25°	242.5	239.6	235.3	235.3	235.3
27.5°	206.2	202.6	199.7	198.2	199.7
30°	172.8	169.9	167.0	166.3	165.6
32.5°	143.0	141.6	140.1	138.0	138.0
35°	117.6	117.6	116.2	114.0	113.3
37.5°	95.8	96.6	95.8	93.7	92.9
40°	77.0	78.4	79.1	77.0	74.1
42.5°	63.2	65.3	66.8	63.2	61.0
45°	53.0	54.5	55.9	53.0	51.6
47.5°	46.5	47.2	47.9	45.7	45.0
50°	41.4	41.4	41.4	40.7	40.7
52.5°	37.8	37.8	37.0	36.3	36.3
55°	34.9	34.1	33.4	33.4	34.1
57.5°	32.7	31.9	30.5	31.2	31.9
60°	31.2	29.8	28.3	29.0	29.8
62.5°	29.0	27.6	26.1	26.9	28.3
65°	28.3	25.4	24.0	25.4	27.6
67.5°	27.6	24.0	21.8	24.0	26.9
70°	26.9	22.5	20.3	22.5	26.1
72.5°	26.1	21.1	18.2	21.1	25.4
75°	25.4	19.6	16.0	19.6	24.7
77.5°	24.0	18.2	13.8	18.2	22.5
80°	21.8	16.7	11.6	16.0	19.6
82.5°	16.0	13.8	9.4	13.8	14.5
85°	8.7	9.4	5.8	9.4	8.7
87.5°	0.7	1.5	1.5	4.4	2.9



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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)