

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: P1311339

Luminaire Tested: LDSQA3D09R359040DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311339
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: LDSQA3D09R359040DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

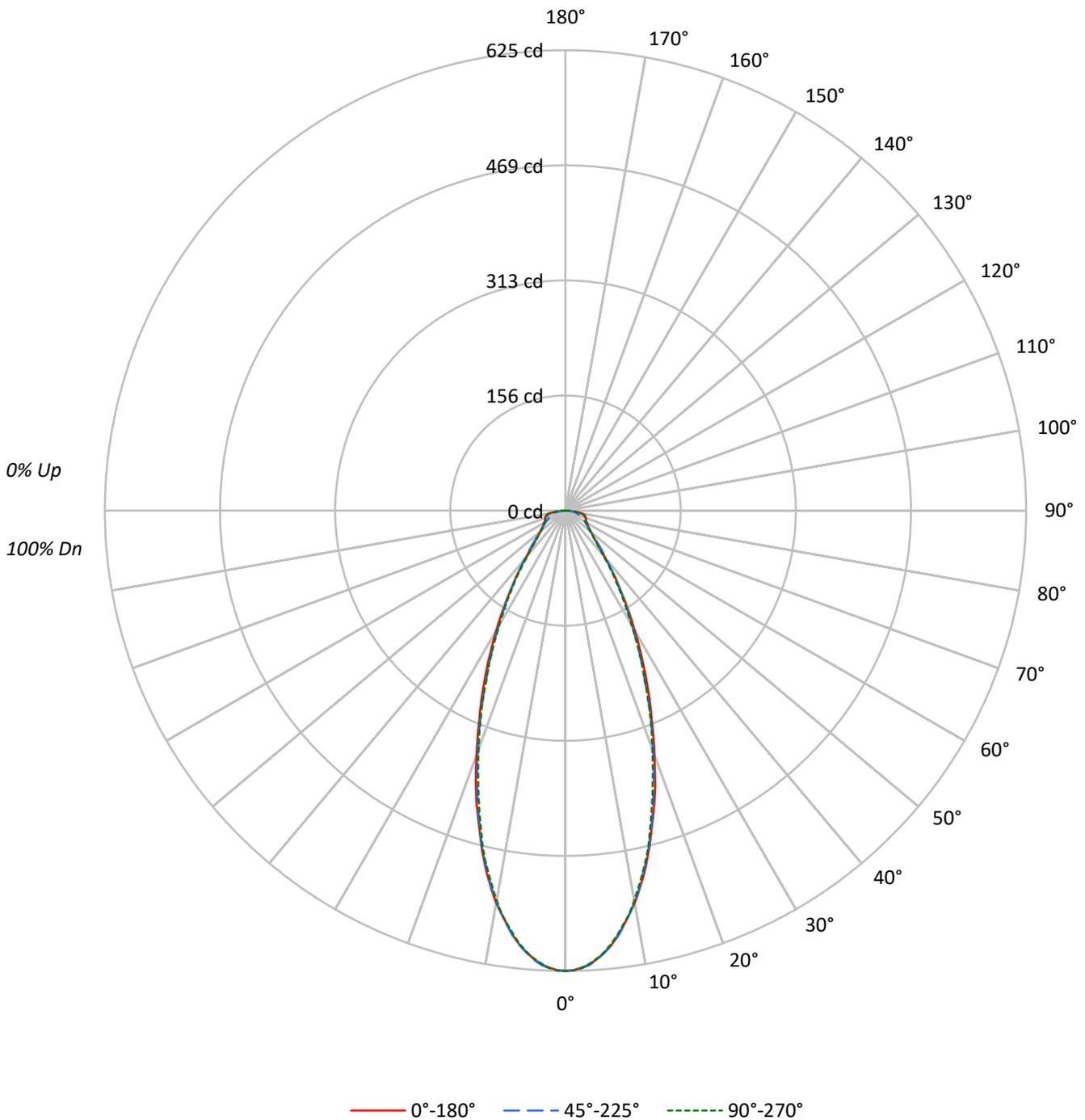
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 517.0 lumens
Efficiency: N/A
Efficacy: 46.6 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): 11.1
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	66	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°	107622	107622	107622
5°	104074	104212	104074
10°	94557	94417	93998
15°	80270	79984	79289
20°	64623	63762	63175
25°	49958	48457	48457
30°	37248	35995	35676
35°	26806	26470	25818
40°	18750	19290	18053
45°	14005	14760	13615
50°	12030	12030	11816
55°	11350	10869	11110
60°	11642	10574	11126
65°	12511	10595	12185
70°	14653	11078	14250
75°	18299	11512	17833
80°	23406	12497	21026
85°	18575	12449	18575

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 23406 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.5	10.7
10°-20°	123.9	24.0
20°-30°	118.3	22.9
30°-40°	79.5	15.4
40°-50°	46.7	9.0
50°-60°	33.4	6.5
60°-70°	27.8	5.4
70°-80°	22.8	4.4
80°-90°	9.4	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°	297.6	57.6
0°-40°	377.1	72.9
0°-60°	457.1	88.4
0°-90°	517.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	517.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	625	625	625	625	625	
5°	602	604	603	602	602	55
15°	450	451	449	445	445	125
25°	263	260	255	255	255	121
35°	128	128	126	124	123	81
45°	58	59	61	58	56	46
55°	38	37	36	36	37	34
65°	31	28	26	28	30	31
75°	28	21	17	21	27	29
85°	9	10	6	10	9	11
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	624.9	624.9	624.9	624.9	624.9
1°	624.1	624.9	624.9	624.1	624.1
2°	620.9	622.5	621.7	620.9	621.7
3°	617.0	618.6	617.8	617.0	616.2
4°	610.7	612.3	611.5	609.9	609.9
5°	602.0	603.6	602.8	602.0	602.0
6°	593.4	595.0	593.4	591.8	591.8
7°	581.6	583.9	582.4	580.8	580.0
8°	568.2	570.6	569.0	568.2	566.6
9°	554.8	556.4	554.0	554.0	554.0
10°	540.7	541.5	539.9	537.5	537.5
11°	524.9	524.1	523.3	521.8	520.2
12°	507.6	507.6	505.2	503.7	502.9
13°	489.5	488.7	487.1	485.6	485.6
14°	470.6	470.6	469.0	465.9	466.7
15°	450.2	450.9	448.6	445.4	444.7
17.5°	403.7	402.2	398.2	395.9	393.5
20°	352.6	351.8	347.9	345.5	344.7
22.5°	305.4	304.6	300.6	298.3	299.8
25°	262.9	259.7	255.0	255.0	255.0
27.5°	223.5	219.6	216.4	214.8	216.4
30°	187.3	184.2	181.0	180.2	179.4
32.5°	155.0	153.5	151.9	149.5	149.5
35°	127.5	127.5	125.9	123.6	122.8
37.5°	103.9	104.7	103.9	101.5	100.7
40°	83.4	85.0	85.8	83.4	80.3
42.5°	68.5	70.8	72.4	68.5	66.1
45°	57.5	59.0	60.6	57.5	55.9
47.5°	50.4	51.2	51.9	49.6	48.8
50°	44.9	44.9	44.9	44.1	44.1
52.5°	40.9	40.9	40.1	39.3	39.3
55°	37.8	37.0	36.2	36.2	37.0
57.5°	35.4	34.6	33.1	33.8	34.6
60°	33.8	32.3	30.7	31.5	32.3
62.5°	31.5	29.9	28.3	29.1	30.7
65°	30.7	27.5	26.0	27.5	29.9
67.5°	29.9	26.0	23.6	26.0	29.1
70°	29.1	24.4	22.0	24.4	28.3
72.5°	28.3	22.8	19.7	22.8	27.5
75°	27.5	21.2	17.3	21.2	26.8
77.5°	26.0	19.7	15.0	19.7	24.4
80°	23.6	18.1	12.6	17.3	21.2
82.5°	17.3	15.0	10.2	15.0	15.7
85°	9.4	10.2	6.3	10.2	9.4
87.5°	0.8	1.6	1.6	4.7	3.1



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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)