

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: P1309069

Luminaire Tested: LDSQA3D09R259030DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309069
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: LDSQA3D09R259030DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

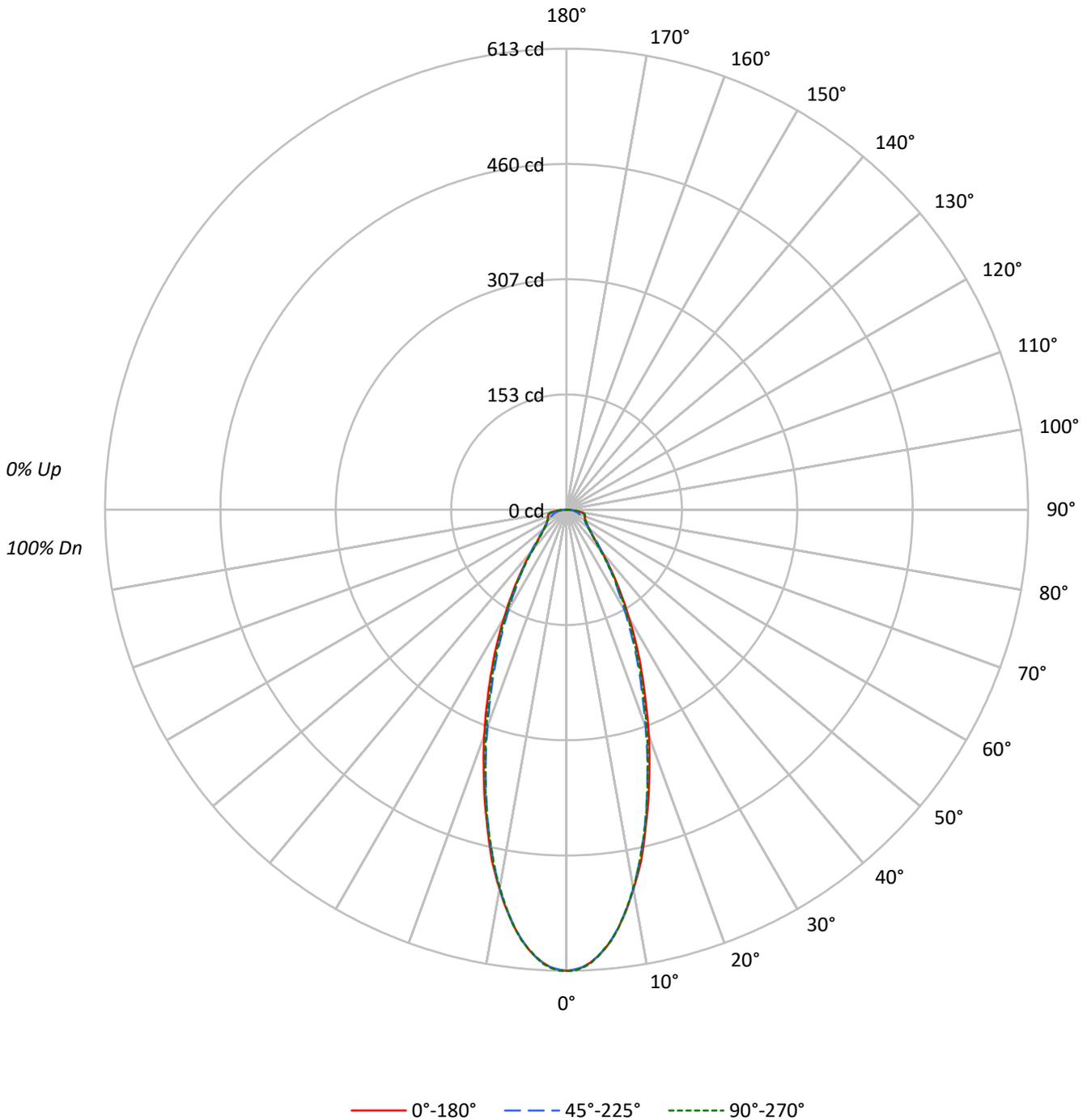
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 463.0 lumens
Efficiency: N/A
Efficacy: 41.7 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): 11.1
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





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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°	105572	105572	105572
5°	101308	101170	101170
10°	89556	89433	89171
15°	73958	72906	73298
20°	58593	56174	57109
25°	44618	42262	43364
30°	32872	30546	31858
35°	23526	22454	22770
40°	16120	16457	15625
45°	11934	12641	11764
50°	10396	10396	10181
55°	9879	9458	9879
60°	10092	9334	10092
65°	11044	9536	11044
70°	13243	9567	12891
75°	16569	10247	16569
80°	21026	10910	19637
85°	17389	10078	17389

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 21026 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.5	11.6
10°-20°	113.7	24.5
20°-30°	104.2	22.5
30°-40°	68.7	14.8
40°-50°	40.0	8.6
50°-60°	29.2	6.3
60°-70°	24.8	5.4
70°-80°	20.5	4.4
80°-90°	8.5	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°	271.3	58.6
0°-40°	340.0	73.4
0°-60°	409.2	88.4
0°-90°	463.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	463.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	613	613	613	613	613	
5°	586	585	585	586	585	54
15°	415	413	409	410	411	115
25°	235	228	222	223	228	108
35°	112	110	107	107	108	71
45°	49	50	52	49	48	40
55°	33	33	32	32	33	30
65°	27	25	23	25	27	27
75°	25	19	15	19	25	26
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°	613.0	613.0	613.0	613.0	613.0
1°	611.6	611.6	611.6	611.6	613.0
2°	608.7	607.9	608.7	608.7	609.4
3°	602.8	602.8	602.8	602.8	604.3
4°	595.5	595.5	595.5	595.5	595.5
5°	586.0	585.2	585.2	586.0	585.2
6°	574.3	574.3	574.3	574.3	575.0
7°	561.1	560.4	560.4	559.6	561.1
8°	545.7	545.7	545.0	544.3	545.7
9°	529.6	530.4	528.9	528.2	528.2
10°	512.1	511.4	511.4	511.4	509.9
11°	494.5	492.3	491.6	491.6	493.1
12°	477.0	473.3	471.9	471.9	471.9
13°	455.8	454.3	452.1	450.6	451.4
14°	434.5	434.5	430.9	430.9	432.4
15°	414.8	413.3	408.9	410.4	411.1
17.5°	365.8	362.9	357.7	357.7	358.5
20°	319.7	314.6	306.5	310.2	311.6
22.5°	274.3	269.2	261.2	264.8	266.3
25°	234.8	228.2	222.4	223.1	228.2
27.5°	199.0	191.7	185.8	188.0	190.9
30°	165.3	160.9	153.6	157.3	160.2
32.5°	136.8	133.1	128.0	130.2	133.1
35°	111.9	109.7	106.8	106.8	108.3
37.5°	90.7	90.0	88.5	87.8	87.1
40°	71.7	73.2	73.2	71.7	69.5
42.5°	58.5	60.0	61.5	58.5	56.3
45°	49.0	50.5	51.9	49.0	48.3
47.5°	43.2	43.9	44.6	43.2	42.4
50°	38.8	38.8	38.8	38.0	38.0
52.5°	35.8	35.1	34.4	35.1	35.1
55°	32.9	32.9	31.5	32.2	32.9
57.5°	30.7	30.0	29.3	30.0	30.7
60°	29.3	27.8	27.1	27.8	29.3
62.5°	27.8	26.3	24.9	26.3	27.8
65°	27.1	24.9	23.4	24.9	27.1
67.5°	26.3	23.4	21.2	23.4	26.3
70°	26.3	21.9	19.0	21.9	25.6
72.5°	25.6	20.5	17.6	20.5	25.6
75°	24.9	19.0	15.4	19.0	24.9
77.5°	24.1	17.6	13.2	17.6	23.4
80°	21.2	16.1	11.0	16.1	19.8
82.5°	15.4	13.2	8.8	13.2	14.6
85°	8.8	9.5	5.1	9.5	8.8
87.5°	1.5	2.2	1.5	3.7	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)