

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: P1313516

Luminaire Tested: LDSQA3D09R309727DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313516
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R309727DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 97CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

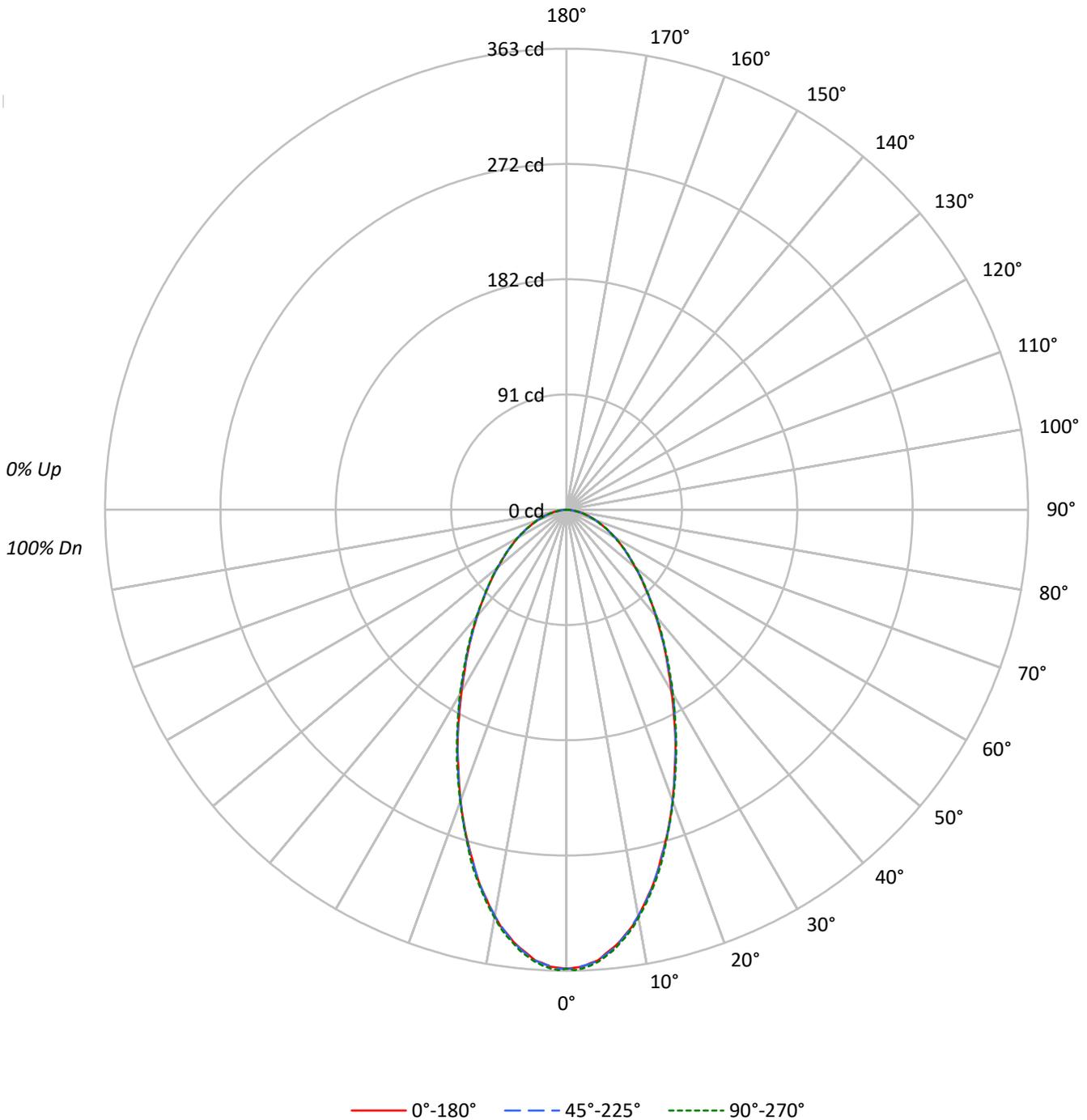
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 464.0 lumens
Efficiency: N/A
Efficacy: 41.8 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.9
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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77
3	95	86	80	74	93	85	79	74	82	77	72	79	75	71	77	73	70	68
4	89	78	71	65	86	77	70	65	75	69	64	73	67	63	71	66	62	60
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	54
6	77	66	58	52	76	65	58	52	63	57	52	62	56	51	60	55	51	49
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	47	45
8	68	56	49	44	67	56	48	43	54	48	43	53	47	43	52	47	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	38
10	61	49	42	37	60	48	42	37	48	41	37	47	41	37	46	41	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	62241	62241	62241
5°	60698	60802	61027
10°	56801	56801	57028
15°	50922	51047	51385
20°	44701	44701	44811
25°	38537	38537	38784
30°	32813	33191	33310
35°	28341	28467	28614
40°	24528	24685	24820
45°	21409	21579	21579
50°	18916	18916	19077
55°	16965	16965	16965
60°	15259	15259	15259
65°	13611	13611	13611
70°	12287	12287	12287
75°	11112	10647	10647
80°	9521	8926	8926
85°	6323	6323	6323

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 21579 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.7	7.1
10°-20°	79.8	17.2
20°-30°	93.2	20.1
30°-40°	84.8	18.3
40°-50°	68.5	14.8
50°-60°	50.6	10.9
60°-70°	33.3	7.2
70°-80°	17.2	3.7
80°-90°	3.9	0.8
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°	205.7	44.3
0°-40°	290.5	62.6
0°-60°	409.6	88.3
0°-90°	464.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	464.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	361	361	361	361	361	
5°	351	351	352	352	353	33
15°	286	286	286	286	288	80
25°	203	202	203	203	204	93
35°	135	134	135	135	136	84
45°	88	89	89	89	89	68
55°	56	56	56	56	56	51
65°	33	33	33	33	33	33
75°	17	16	16	16	16	18
85°	3	3	3	3	3	4
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	361.4	361.4	361.4	361.4	361.4
1°	360.7	360.7	361.4	360.7	362.6
2°	360.1	359.4	359.4	359.4	361.4
3°	357.5	357.5	358.1	357.5	359.4
4°	355.6	354.9	355.6	354.9	356.9
5°	351.1	351.1	351.7	351.7	353.0
6°	347.2	347.2	347.9	347.2	349.2
7°	342.7	342.7	342.7	342.7	344.0
8°	337.0	337.0	337.6	337.6	338.9
9°	331.8	331.2	331.2	331.2	333.1
10°	324.8	324.8	324.8	324.8	326.1
11°	317.7	317.7	317.7	317.7	319.0
12°	310.0	310.0	310.6	310.0	311.9
13°	302.9	302.9	302.9	302.9	304.2
14°	294.6	294.0	294.6	294.6	296.5
15°	285.6	286.3	286.3	286.3	288.2
17.5°	265.1	265.1	265.7	264.4	265.7
20°	243.9	243.3	243.9	243.9	244.5
22.5°	222.1	222.7	222.7	222.7	224.0
25°	202.8	202.2	202.8	202.8	204.1
27.5°	182.9	183.6	184.2	183.6	184.8
30°	165.0	166.2	166.9	165.6	167.5
32.5°	148.9	148.9	149.5	150.2	150.8
35°	134.8	134.1	135.4	135.4	136.1
37.5°	121.3	121.3	121.3	121.9	122.6
40°	109.1	109.1	109.8	109.8	110.4
42.5°	98.2	97.6	98.2	98.2	98.2
45°	87.9	88.6	88.6	88.6	88.6
47.5°	78.9	78.9	79.6	78.9	79.6
50°	70.6	70.6	70.6	70.6	71.2
52.5°	62.9	62.9	62.9	62.9	63.5
55°	56.5	55.8	56.5	55.8	56.5
57.5°	50.1	50.1	50.1	50.1	50.1
60°	44.3	43.6	44.3	43.6	44.3
62.5°	38.5	38.5	38.5	38.5	38.5
65°	33.4	33.4	33.4	33.4	33.4
67.5°	28.9	28.9	28.9	28.2	28.2
70°	24.4	24.4	24.4	24.4	24.4
72.5°	20.5	19.9	19.9	19.9	19.9
75°	16.7	16.0	16.0	16.0	16.0
77.5°	12.8	12.8	12.2	12.2	12.8
80°	9.6	9.0	9.0	9.0	9.0
82.5°	5.8	5.8	5.8	5.8	5.8
85°	3.2	3.2	3.2	3.2	3.2
87.5°	0.6	0.6	0.6	1.3	1.3



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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)