

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: P1309086

Luminaire Tested: LDSQA3D09R309030DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309086
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R309030DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

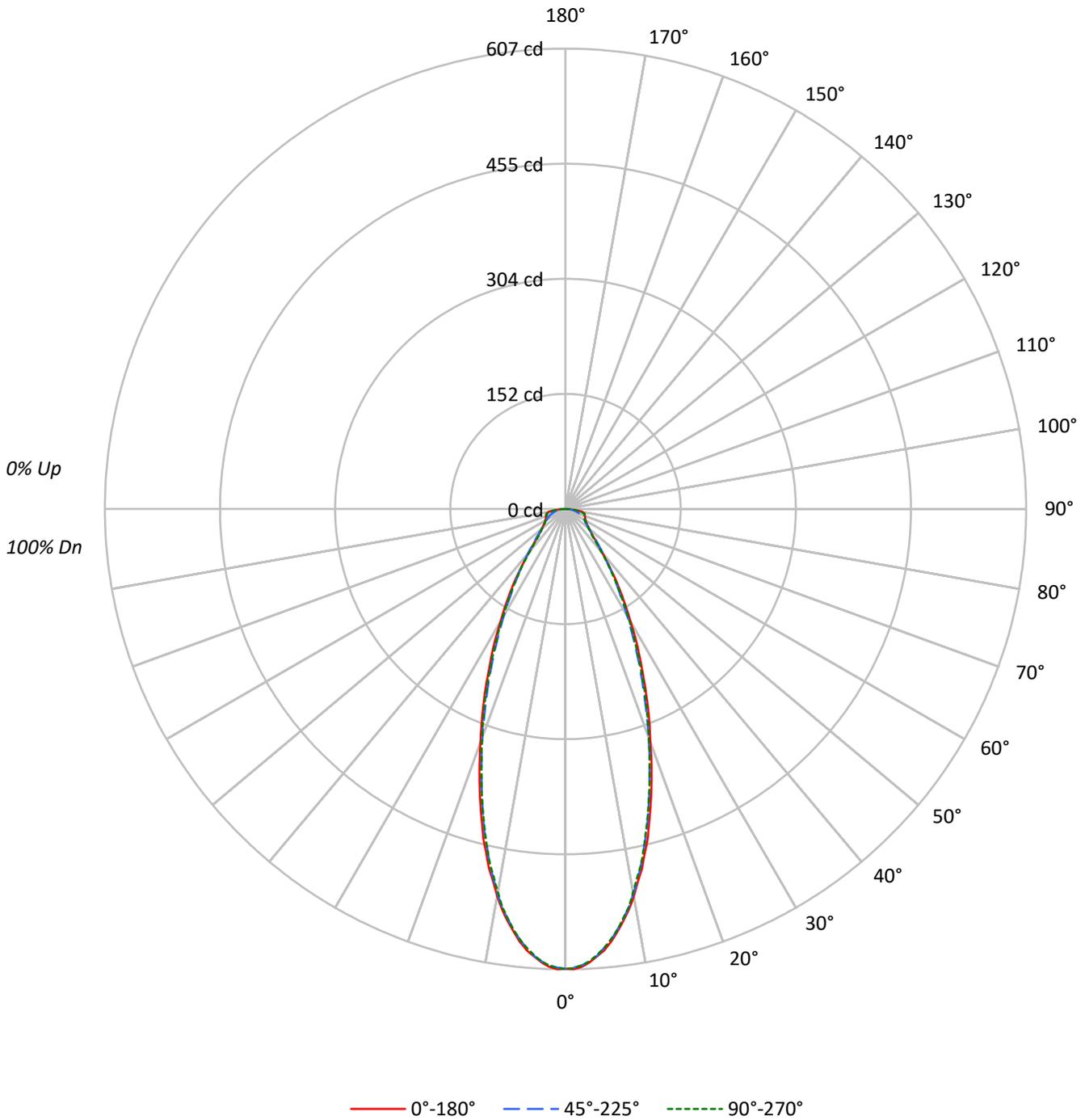
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 478.0 lumens
Efficiency: N/A
Efficacy: 43.1 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7
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	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	83	78	75	80	77	74	74	74	74	72
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	67	67	67	66
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	62	62	62	61
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	58	58	58	56
7	77	67	60	55	76	66	60	55	65	59	55	63	58	54	62	57	54	54	54	54	52
8	74	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	51	51	51	51	49
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	48	48	48	46
10	67	56	50	45	66	56	49	45	55	49	45	54	49	45	53	48	45	45	45	45	43

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	104401	104401	104401
5°	100997	100495	100495
10°	90640	90133	89748
15°	75973	74796	74653
20°	59968	58758	58758
25°	45910	44105	44941
30°	34066	32316	33051
35°	24620	23547	23695
40°	16951	17289	16457
45°	12665	13201	12129
50°	10985	10798	10798
55°	10329	9879	10119
60°	10574	9851	10333
65°	11655	9862	11329
70°	13646	9970	13294
75°	17567	10713	17035
80°	21819	11604	20332
85°	17389	11659	16006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 21819 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.4	11.2
10°-20°	116.2	24.3
20°-30°	108.3	22.7
30°-40°	71.8	15.0
40°-50°	41.8	8.8
50°-60°	30.4	6.4
60°-70°	25.8	5.4
70°-80°	21.3	4.5
80°-90°	8.9	1.9
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°	278.0	58.1
0°-40°	349.8	73.2
0°-60°	422.1	88.3
0°-90°	478.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	478.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	606	606	606	606	606	
5°	584	584	581	581	581	54
15°	426	422	420	419	419	118
25°	242	237	232	233	236	111
35°	117	115	112	113	113	74
45°	52	53	54	51	50	42
55°	34	34	33	34	34	31
65°	29	26	24	26	28	28
75°	26	20	16	20	26	27
85°	9	10	6	10	8	10
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	606.2	606.2	606.2	606.2	606.2
1°	606.9	606.2	604.7	605.4	605.4
2°	604.0	603.2	602.5	602.5	602.5
3°	598.8	598.1	597.4	597.4	597.4
4°	591.5	590.8	590.8	590.0	590.0
5°	584.2	583.5	581.3	581.3	581.3
6°	573.9	573.2	571.7	571.0	571.0
7°	561.5	561.5	559.3	558.6	559.3
8°	548.3	547.6	546.1	545.4	545.4
9°	534.4	532.2	532.2	530.0	531.5
10°	518.3	516.8	515.4	513.9	513.2
11°	500.0	499.3	497.1	495.6	494.9
12°	484.6	481.0	479.5	477.3	478.8
13°	464.9	462.7	459.0	458.3	459.0
14°	448.0	443.6	440.7	439.2	438.5
15°	426.1	421.7	419.5	418.7	418.7
17.5°	377.0	374.1	368.2	368.2	368.2
20°	327.2	324.3	320.6	319.9	320.6
22.5°	284.0	278.9	273.1	273.8	278.2
25°	241.6	237.2	232.1	232.8	236.5
27.5°	205.7	199.9	194.7	196.2	198.4
30°	171.3	167.6	162.5	164.0	166.2
32.5°	142.0	139.8	134.0	135.4	137.6
35°	117.1	114.9	112.0	112.7	112.7
37.5°	93.7	93.7	93.0	92.2	91.5
40°	75.4	76.9	76.9	74.7	73.2
42.5°	61.5	63.0	64.4	61.5	59.3
45°	52.0	52.7	54.2	51.2	49.8
47.5°	45.4	45.4	46.9	44.7	43.9
50°	41.0	41.0	40.3	39.5	40.3
52.5°	37.3	36.6	35.9	36.6	36.6
55°	34.4	33.7	32.9	33.7	33.7
57.5°	32.2	31.5	30.7	30.7	31.5
60°	30.7	29.3	28.6	29.3	30.0
62.5°	29.3	27.1	26.4	27.1	28.6
65°	28.6	25.6	24.2	25.6	27.8
67.5°	27.8	24.2	22.0	24.2	27.1
70°	27.1	22.7	19.8	22.7	26.4
72.5°	26.4	21.2	18.3	21.2	26.4
75°	26.4	19.8	16.1	19.8	25.6
77.5°	24.9	18.3	13.9	18.3	24.2
80°	22.0	16.8	11.7	16.1	20.5
82.5°	16.1	14.6	8.8	13.9	15.4
85°	8.8	10.2	5.9	9.5	8.1
87.5°	1.5	2.2	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)