

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: P1309103

Luminaire Tested: LDSQA3D09R359030DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309103
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: LDSQA3D09R359030DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

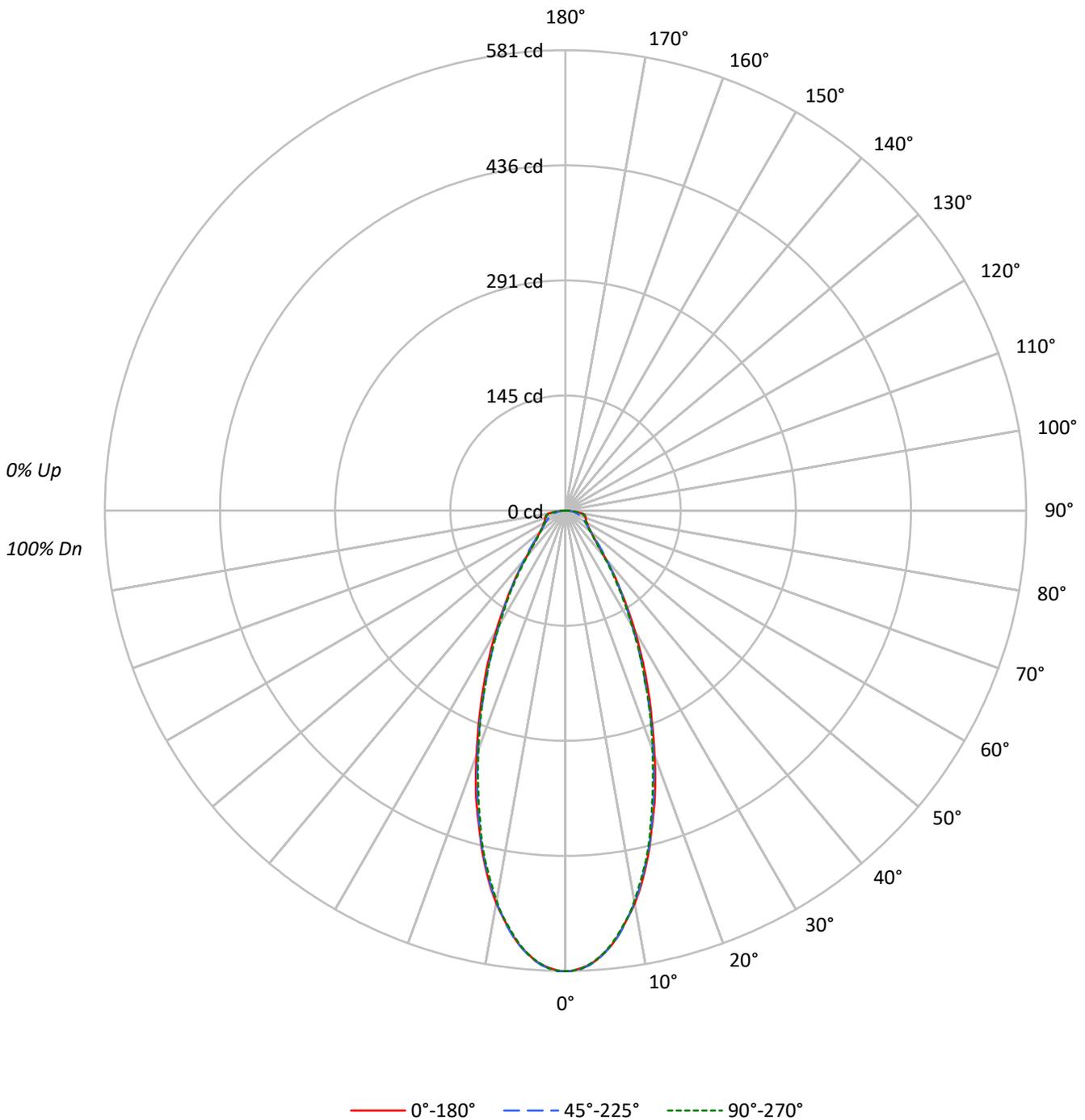
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 481.0 lumens
Efficiency: N/A
Efficacy: 43.3 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	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°	100130	100130	100130
5°	96830	96969	96830
10°	87964	87842	87457
15°	74671	74404	73762
20°	60114	59308	58776
25°	46481	45074	45074
30°	34662	33489	33191
35°	24935	24641	24010
40°	17446	17941	16794
45°	13030	13737	12665
50°	11173	11173	10985
55°	10539	10119	10329
60°	10850	9851	10333
65°	11655	9862	11329
70°	13646	10323	13294
75°	17035	10713	16569
80°	21819	11604	19637
85°	17389	11659	17389

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°	51.6	10.7
10°-20°	115.2	24.0
20°-30°	110.0	22.9
30°-40°	73.9	15.4
40°-50°	43.4	9.0
50°-60°	31.0	6.5
60°-70°	25.9	5.4
70°-80°	21.2	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°	276.9	57.6
0°-40°	350.8	72.9
0°-60°	425.3	88.4
0°-90°	481.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	481.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	581	581	581	581	581	
5°	560	562	561	560	560	52
15°	419	420	417	414	414	116
25°	245	242	237	237	237	112
35°	119	119	117	115	114	75
45°	54	55	56	54	52	43
55°	35	34	34	34	34	32
65°	29	26	24	26	28	29
75°	26	20	16	20	25	27
85°	9	10	6	10	9	10
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	581.4	581.4	581.4	581.4	581.4
1°	580.6	581.4	581.4	580.6	580.6
2°	577.7	579.2	578.4	577.7	578.4
3°	574.0	575.5	574.8	574.0	573.3
4°	568.2	569.6	568.9	567.4	567.4
5°	560.1	561.6	560.9	560.1	560.1
6°	552.1	553.5	552.1	550.6	550.6
7°	541.1	543.3	541.8	540.4	539.6
8°	528.6	530.8	529.4	528.6	527.2
9°	516.2	517.7	515.5	515.5	515.5
10°	503.0	503.7	502.3	500.1	500.1
11°	488.4	487.6	486.9	485.4	484.0
12°	472.3	472.3	470.1	468.6	467.9
13°	455.4	454.7	453.2	451.8	451.8
14°	437.9	437.9	436.4	433.5	434.2
15°	418.8	419.5	417.3	414.4	413.7
17.5°	375.6	374.2	370.5	368.3	366.1
20°	328.0	327.3	323.6	321.4	320.7
22.5°	284.1	283.4	279.7	277.5	279.0
25°	244.6	241.6	237.2	237.2	237.2
27.5°	207.9	204.3	201.4	199.9	201.4
30°	174.3	171.3	168.4	167.7	166.9
32.5°	144.2	142.8	141.3	139.1	139.1
35°	118.6	118.6	117.2	115.0	114.2
37.5°	96.6	97.4	96.6	94.5	93.7
40°	77.6	79.1	79.8	77.6	74.7
42.5°	63.7	65.9	67.4	63.7	61.5
45°	53.5	54.9	56.4	53.5	52.0
47.5°	46.9	47.6	48.3	46.1	45.4
50°	41.7	41.7	41.7	41.0	41.0
52.5°	38.1	38.1	37.3	36.6	36.6
55°	35.1	34.4	33.7	33.7	34.4
57.5°	32.9	32.2	30.8	31.5	32.2
60°	31.5	30.0	28.6	29.3	30.0
62.5°	29.3	27.8	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	20.5	22.7	26.4
72.5°	26.4	21.2	18.3	21.2	25.6
75°	25.6	19.8	16.1	19.8	24.9
77.5°	24.2	18.3	13.9	18.3	22.7
80°	22.0	16.8	11.7	16.1	19.8
82.5°	16.1	13.9	9.5	13.9	14.6
85°	8.8	9.5	5.9	9.5	8.8
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)