

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: P1306995

Luminaire Tested: LDSQA3D09R309024DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306995
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: LDSQA3D09R309024DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

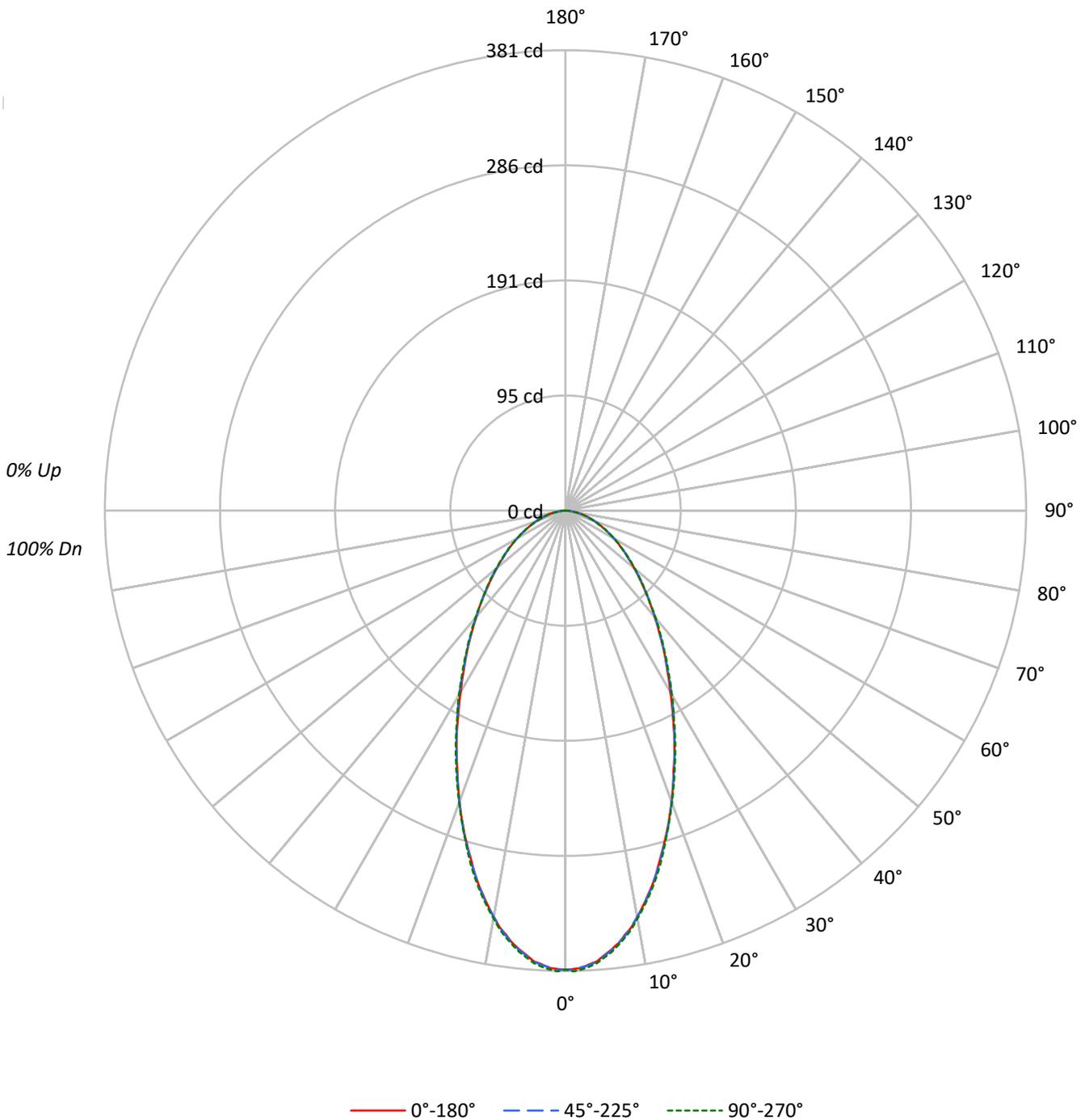
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 488.1 lumens
Efficiency: N/A
Efficacy: 44.0 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 (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

TEST NUMBER: P1306995
CATALOG NUMBER: LDSQA3D09R309024DE010 3LSQPHRLD1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1306995

CATALOG NUMBER: LDSQA3D09R309024DE010 3LSQPHRLD1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	90	90	90	88
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	79	79	79	77
3	95	86	80	74	93	85	79	73	82	77	72	79	75	71	77	73	70	70	70	70	68
4	89	78	71	65	86	77	70	65	75	69	64	73	67	63	71	66	62	62	62	62	60
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	56	56	56	54
6	77	66	58	52	76	65	58	52	63	57	52	62	56	51	60	55	51	51	51	51	49
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	47	47	47	47	45
8	68	56	49	44	67	56	48	43	54	48	43	53	47	43	52	47	43	43	43	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	40	40	40	38
10	61	49	42	37	60	48	42	37	48	41	37	47	41	37	46	41	37	37	37	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	65445	65445	65445
5°	63827	63948	64191
10°	59739	59739	59966
15°	53561	53686	54042
20°	47010	47010	47138
25°	40533	40533	40799
30°	34503	34901	35040
35°	29813	29939	30086
40°	25809	25944	26102
45°	22529	22700	22700
50°	19907	19907	20068
55°	17836	17836	17836
60°	16051	16051	16051
65°	14304	14304	14304
70°	12941	12941	12941
75°	11711	11246	11246
80°	10017	9422	9422
85°	6719	6719	6719

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 22700 cd/sqm



TEST NUMBER: P1306995

CATALOG NUMBER: LDSQA3D09R309024DE010 3LSQPHRLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.4	7.1
10°-20°	83.9	17.2
20°-30°	98.0	20.1
30°-40°	89.2	18.3
40°-50°	72.0	14.8
50°-60°	53.2	10.9
60°-70°	35.0	7.2
70°-80°	18.1	3.7
80°-90°	4.1	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°	216.3	44.3
0°-40°	305.5	62.6
0°-60°	430.8	88.3
0°-90°	488.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	488.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	380	380	380	380	380	
5°	369	369	370	370	371	34
15°	300	301	301	301	303	84
25°	213	213	213	213	215	98
35°	142	141	142	142	143	89
45°	92	93	93	93	93	72
55°	59	59	59	59	59	53
65°	35	35	35	35	35	35
75°	18	17	17	17	17	19
85°	3	3	3	3	3	4
90°	0	0	0	0	0	



TEST NUMBER: P1306995

CATALOG NUMBER: LDSQA3D09R309024DE010 3LSQPHRLD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	380.0	380.0	380.0	380.0	380.0
1°	379.4	379.4	380.0	379.4	381.4
2°	378.7	378.0	378.0	378.0	380.0
3°	376.0	376.0	376.7	376.0	378.0
4°	374.0	373.3	374.0	373.3	375.3
5°	369.2	369.2	369.9	369.9	371.3
6°	365.2	365.2	365.9	365.2	367.2
7°	360.5	360.5	360.5	360.5	361.8
8°	354.4	354.4	355.1	355.1	356.4
9°	349.0	348.3	348.3	348.3	350.3
10°	341.6	341.6	341.6	341.6	342.9
11°	334.1	334.1	334.1	334.1	335.5
12°	326.0	326.0	326.7	326.0	328.1
13°	318.6	318.6	318.6	318.6	320.0
14°	309.8	309.2	309.8	309.8	311.9
15°	300.4	301.1	301.1	301.1	303.1
17.5°	278.8	278.8	279.5	278.1	279.5
20°	256.5	255.8	256.5	256.5	257.2
22.5°	233.6	234.2	234.2	234.2	235.6
25°	213.3	212.6	213.3	213.3	214.7
27.5°	192.4	193.1	193.7	193.1	194.4
30°	173.5	174.8	175.5	174.2	176.2
32.5°	156.6	156.6	157.3	158.0	158.6
35°	141.8	141.1	142.4	142.4	143.1
37.5°	127.6	127.6	127.6	128.3	128.9
40°	114.8	114.8	115.4	115.4	116.1
42.5°	103.3	102.6	103.3	103.3	103.3
45°	92.5	93.2	93.2	93.2	93.2
47.5°	83.0	83.0	83.7	83.0	83.7
50°	74.3	74.3	74.3	74.3	74.9
52.5°	66.2	66.2	66.2	66.2	66.8
55°	59.4	58.7	59.4	58.7	59.4
57.5°	52.7	52.7	52.7	52.7	52.7
60°	46.6	45.9	46.6	45.9	46.6
62.5°	40.5	40.5	40.5	40.5	40.5
65°	35.1	35.1	35.1	35.1	35.1
67.5°	30.4	30.4	30.4	29.7	29.7
70°	25.7	25.7	25.7	25.7	25.7
72.5°	21.6	20.9	20.9	20.9	20.9
75°	17.6	16.9	16.9	16.9	16.9
77.5°	13.5	13.5	12.8	12.8	13.5
80°	10.1	9.5	9.5	9.5	9.5
82.5°	6.1	6.1	6.1	6.1	6.1
85°	3.4	3.4	3.4	3.4	3.4
87.5°	0.7	0.7	0.7	1.4	1.4



TEST NUMBER: P1306995

CATALOG NUMBER: LDSQA3D09R309024DE010 3LSQPHRLD1MW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)