

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: P1311646

Luminaire Tested: LDSQA3D17R309040DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311646
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: LDSQA3D17R309040DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

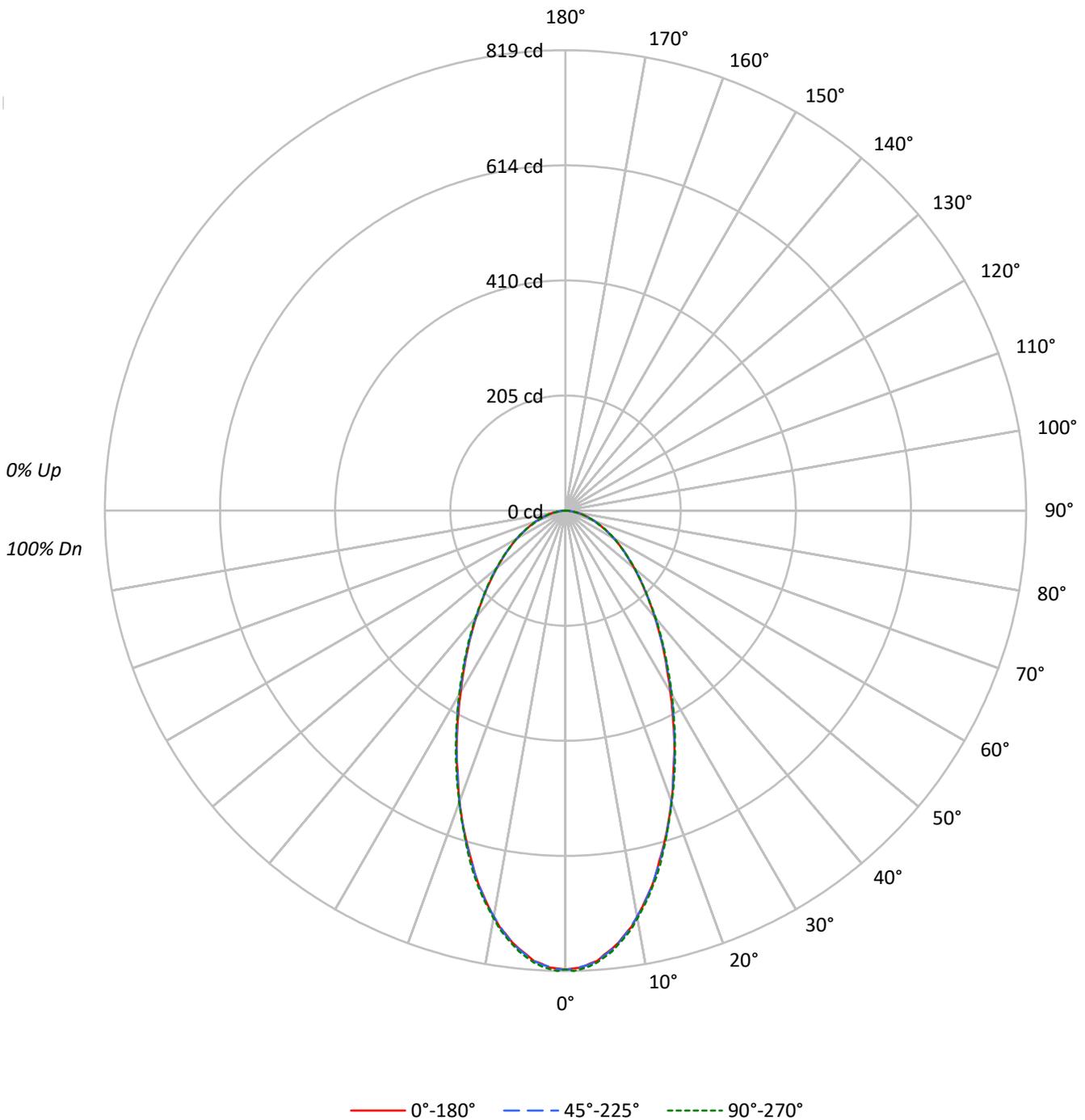
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1048.0 lumens
Efficiency: N/A
Efficacy: 49.4 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): 21.2
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

TEST NUMBER: P1311646
CATALOG NUMBER: LDSQA3D17R309040DE010 3LSQPHRLD1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1311646

CATALOG NUMBER: LDSQA3D17R309040DE010 3LSQPHRLD1MW

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	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	74	82	77	72	79	75	71	77	73	70	70	70	70	68
4	89	78	71	65	87	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°	140568	140568	140568
5°	137094	137336	137838
10°	128274	128274	128781
15°	115020	115287	116054
20°	100966	100966	101223
25°	87051	87051	87602
30°	74097	74952	75251
35°	63999	64314	64608
40°	55396	55733	56048
45°	48371	48736	48736
50°	42735	42735	43110
55°	38313	38313	38313
60°	34445	34445	34445
65°	30727	30727	30727
70°	27745	27745	27745
75°	25086	24088	24088
80°	21522	20133	20133
85°	14227	14227	14227

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 48736 cd/sqm



TEST NUMBER: P1311646

CATALOG NUMBER: LDSQA3D17R309040DE010 3LSQPHRLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.9	7.1
10°-20°	180.2	17.2
20°-30°	210.5	20.1
30°-40°	191.5	18.3
40°-50°	154.7	14.8
50°-60°	114.3	10.9
60°-70°	75.2	7.2
70°-80°	38.9	3.7
80°-90°	8.8	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°	464.6	44.3
0°-40°	656.1	62.6
0°-60°	925.1	88.3
0°-90°	1048.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1048.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	816	816	816	816	816	
5°	793	793	794	794	797	74
15°	645	647	647	647	651	180
25°	458	457	458	458	461	210
35°	304	303	306	306	307	191
45°	199	200	200	200	200	154
55°	128	126	128	126	128	114
65°	75	75	75	75	75	75
75°	38	36	36	36	36	40
85°	7	7	7	7	7	9
90°	0	0	0	0	0	



TEST NUMBER: P1311646

CATALOG NUMBER: LDSQA3D17R309040DE010 3LSQPHRLD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	816.2	816.2	816.2	816.2	816.2
1°	814.7	814.7	816.2	814.7	819.1
2°	813.3	811.8	811.8	811.8	816.2
3°	807.5	807.5	808.9	807.5	811.8
4°	803.1	801.7	803.1	801.7	806.0
5°	793.0	793.0	794.4	794.4	797.3
6°	784.3	784.3	785.7	784.3	788.6
7°	774.1	774.1	774.1	774.1	777.0
8°	761.1	761.1	762.5	762.5	765.4
9°	749.5	748.0	748.0	748.0	752.4
10°	733.5	733.5	733.5	733.5	736.4
11°	717.6	717.6	717.6	717.6	720.5
12°	700.2	700.2	701.6	700.2	704.5
13°	684.2	684.2	684.2	684.2	687.1
14°	665.4	663.9	665.4	665.4	669.7
15°	645.1	646.6	646.6	646.6	650.9
17.5°	598.7	598.7	600.2	597.3	600.2
20°	550.9	549.4	550.9	550.9	552.3
22.5°	501.6	503.0	503.0	503.0	505.9
25°	458.1	456.6	458.1	458.1	461.0
27.5°	413.2	414.6	416.1	414.6	417.5
30°	372.6	375.5	376.9	374.0	378.4
32.5°	336.3	336.3	337.8	339.2	340.7
35°	304.4	303.0	305.9	305.9	307.3
37.5°	274.0	274.0	274.0	275.4	276.9
40°	246.4	246.4	247.9	247.9	249.3
42.5°	221.8	220.3	221.8	221.8	221.8
45°	198.6	200.1	200.1	200.1	200.1
47.5°	178.3	178.3	179.8	178.3	179.8
50°	159.5	159.5	159.5	159.5	160.9
52.5°	142.1	142.1	142.1	142.1	143.5
55°	127.6	126.1	127.6	126.1	127.6
57.5°	113.1	113.1	113.1	113.1	113.1
60°	100.0	98.6	100.0	98.6	100.0
62.5°	87.0	87.0	87.0	87.0	87.0
65°	75.4	75.4	75.4	75.4	75.4
67.5°	65.2	65.2	65.2	63.8	63.8
70°	55.1	55.1	55.1	55.1	55.1
72.5°	46.4	44.9	44.9	44.9	44.9
75°	37.7	36.2	36.2	36.2	36.2
77.5°	29.0	29.0	27.5	27.5	29.0
80°	21.7	20.3	20.3	20.3	20.3
82.5°	13.0	13.0	13.0	13.0	13.0
85°	7.2	7.2	7.2	7.2	7.2
87.5°	1.4	1.4	1.4	2.9	2.9



TEST NUMBER: P1311646

CATALOG NUMBER: LDSQA3D17R309040DE010 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)