

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: P1306854

Luminaire Tested: LDSQA3D05R359024DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306854
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R359024DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2400K CCT AND, 90CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

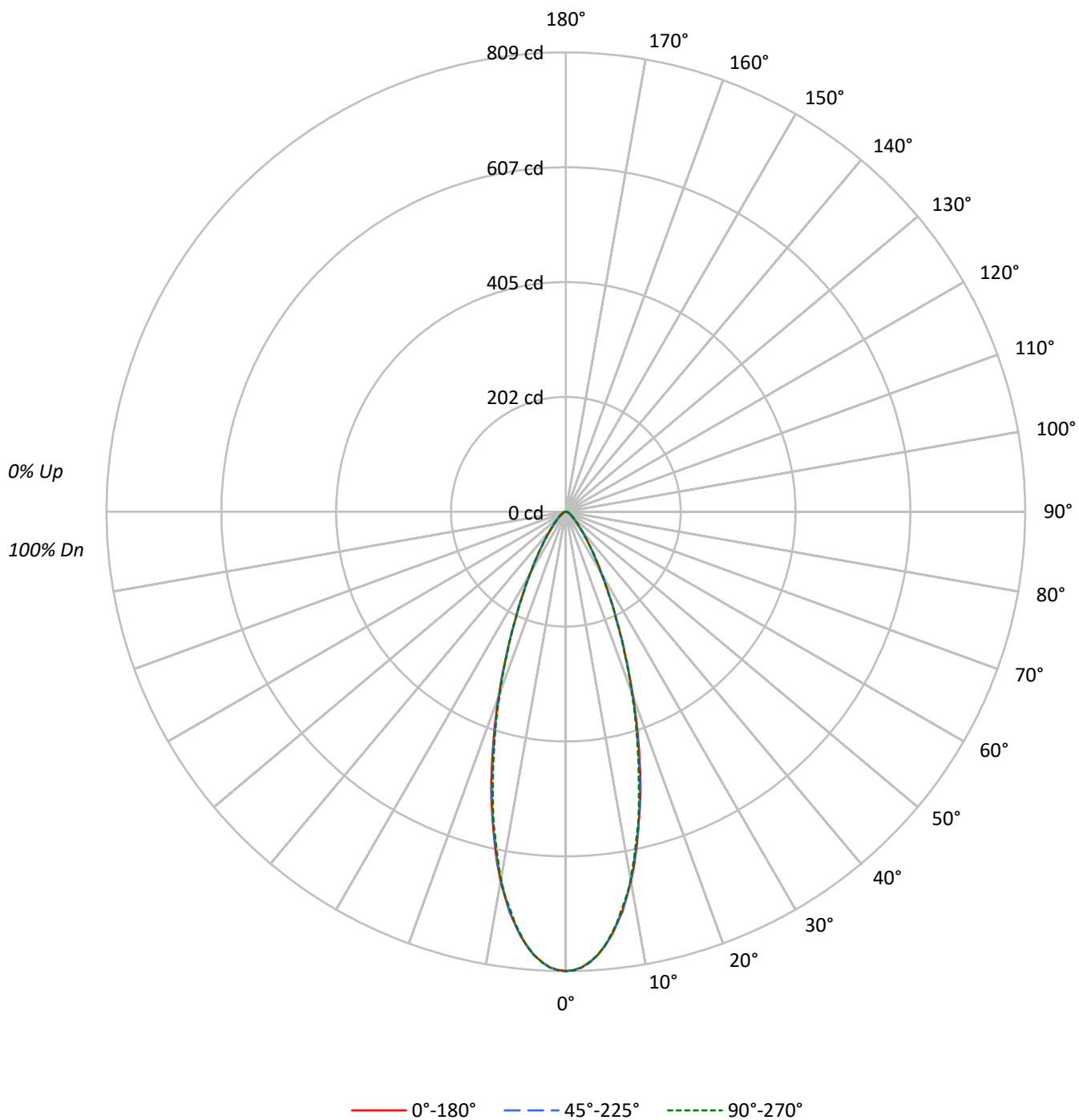
Lumens per Lamp: N/A
Luminaire Lumens: 399.0 lumens
Efficiency: N/A
Efficacy: 55.4 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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

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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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	111	108	106	111	109	106	104	105	103	101		101	99	98		97
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93
3	103	97	92	88	101	95	91	87	93	89	86		90	87	85		88
4	98	91	86	82	97	90	85	81	88	84	80		86	82	79		84
5	94	86	80	76	92	85	80	76	83	79	75		82	78	75		80
6	90	81	76	72	88	81	75	71	79	74	71		78	74	70		76
7	86	77	72	68	85	77	71	67	75	71	67		74	70	67		73
8	82	73	68	64	81	73	68	64	72	67	64		71	67	63		70
9	79	70	65	61	78	70	64	61	69	64	61		68	63	60		67
10	76	67	62	58	75	67	61	58	66	61	58		65	61	58		64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	139328	139328	139328
5°	133135	132911	133135
10°	115578	115193	115036
15°	90575	89862	88436
20°	63358	62790	62387
25°	40248	40495	40248
30°	24799	24978	24799
35°	15327	15432	15432
40°	9735	9847	9847
45°	6576	6674	6795
50°	4742	4850	4850
55°	3723	3723	3723
60°	3031	3031	3031
65°	2690	2690	2690
70°	2467	2467	2467
75°	2063	2063	2063
80°	1785	1785	1785
85°	790	790	1778

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 6795 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.9	17.5
10°-20°	137.7	34.5
20°-30°	99.3	24.9
30°-40°	47.9	12.0
40°-50°	22.1	5.5
50°-60°	11.4	2.9
60°-70°	6.6	1.6
70°-80°	3.3	0.8
80°-90°	0.8	0.2
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°	306.9	76.9
0°-40°	354.8	88.9
0°-60°	388.3	97.3
0°-90°	399.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	399.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	809	809	809	809	809	
5°	770	772	769	769	770	70
15°	508	507	504	502	496	139
25°	212	212	213	213	212	99
35°	73	73	73	73	73	48
45°	27	27	27	28	28	22
55°	12	12	12	12	12	11
65°	7	7	7	7	7	6
75°	3	3	3	3	3	3
85°	0	0	0	0	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	809.0	809.0	809.0	809.0	809.0
1°	806.8	808.2	807.7	808.2	807.7
2°	802.9	803.7	802.9	803.3	803.3
3°	794.5	795.3	795.3	794.9	794.5
4°	784.3	786.5	784.3	784.7	783.4
5°	770.1	771.9	768.8	769.3	770.1
6°	752.9	753.3	752.5	752.0	751.1
7°	733.0	734.8	731.7	732.1	731.2
8°	711.8	711.3	711.3	709.6	706.9
9°	686.1	687.9	685.3	684.4	684.8
10°	660.9	660.9	658.7	656.5	657.8
11°	632.2	631.3	630.0	626.9	626.0
12°	600.8	602.6	598.6	597.3	594.2
13°	568.5	571.2	569.4	564.6	565.0
14°	538.5	536.7	535.4	534.5	531.4
15°	508.0	507.1	504.0	501.8	496.0
17.5°	424.4	425.3	419.6	418.7	416.5
20°	345.7	343.1	342.6	343.1	340.4
22.5°	272.8	275.4	272.3	272.8	271.0
25°	211.8	212.2	213.1	213.1	211.8
27.5°	164.5	164.5	163.6	164.5	163.1
30°	124.7	124.7	125.6	126.4	124.7
32.5°	96.4	96.4	96.4	96.8	97.3
35°	72.9	72.9	73.4	73.4	73.4
37.5°	56.1	56.6	57.0	57.0	57.0
40°	43.3	43.8	43.8	44.2	43.8
42.5°	34.5	34.5	34.5	34.9	34.9
45°	27.0	27.4	27.4	27.9	27.9
47.5°	22.1	22.1	22.1	22.5	22.5
50°	17.7	18.1	18.1	18.1	18.1
52.5°	14.6	14.6	15.0	15.0	15.0
55°	12.4	12.4	12.4	12.4	12.4
57.5°	10.2	10.6	10.6	10.6	10.6
60°	8.8	8.8	8.8	8.8	8.8
62.5°	7.5	7.5	7.5	7.5	7.5
65°	6.6	6.6	6.6	6.6	6.6
67.5°	5.3	5.7	5.7	5.7	5.7
70°	4.9	4.9	4.9	4.9	4.9
72.5°	3.5	4.0	4.0	4.0	4.0
75°	3.1	3.1	3.1	3.1	3.1
77.5°	2.7	2.2	2.2	2.2	2.7
80°	1.8	1.8	1.8	1.8	1.8
82.5°	1.3	1.3	1.3	1.3	1.3
85°	0.4	0.4	0.4	0.4	0.9
87.5°	0.0	0.0	0.0	0.4	0.4



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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)