

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: P1318927

Luminaire Tested: LDSQA3D05R259835DE010 3LSQPHRL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318927
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R259835DE010 3LSQPHRL1MB
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 98CRI , 3LSQPHRL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

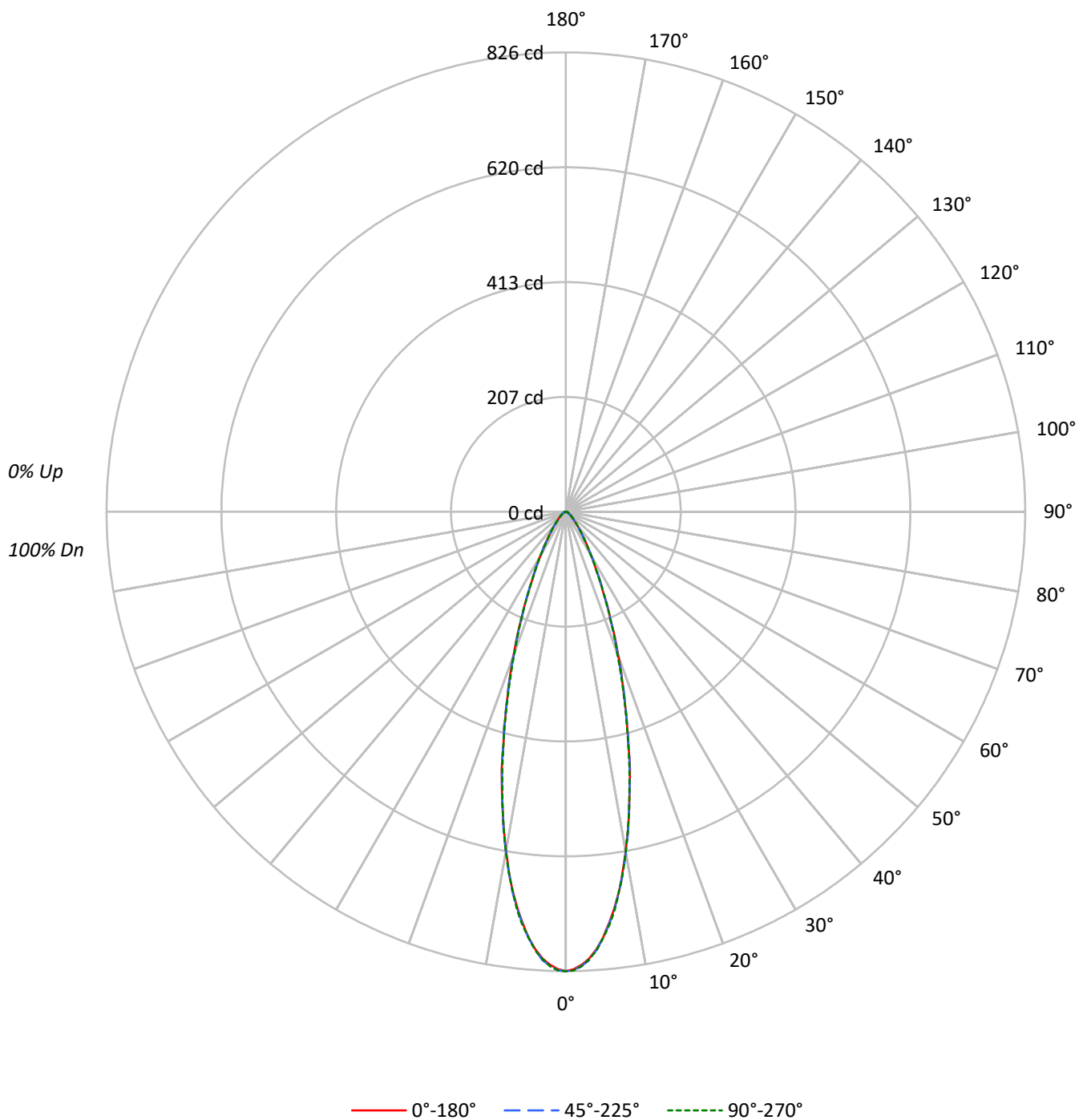
Lumens per Lamp: N/A
Luminaire Lumens: 331.0 lumens
Efficiency: N/A
Efficacy: 46.0 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1318927

CATALOG NUMBER: LDSQA3D05R259835DE010 3LSQPHRL1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1318927

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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	109	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85
5	95	87	82	78	93	86	81	78	85	80	77		83	79	76		82
6	91	83	78	74	90	82	77	73	81	76	73		79	76	72		78
7	87	79	74	70	86	78	73	70	77	73	69		76	72	69		75
8	84	76	70	67	83	75	70	66	74	69	66		73	69	66		72
9	81	72	67	64	80	72	67	63	71	66	63		70	66	63		69
10	78	69	64	61	77	69	64	61	68	64	61		67	63	60		67

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	142273	142273	142273
5°	132790	132928	132997
10°	108320	108653	108653
15°	77364	77774	77364
20°	50639	50144	49429
25°	30100	30252	30100
30°	18137	18137	18057
35°	11038	11122	11038
40°	7037	7127	7127
45°	4896	4896	4896
50°	3510	3617	3617
55°	2792	2792	2913
60°	2273	2411	2411
65°	2038	2038	2038
70°	1762	1762	1964
75°	1530	1530	1797
80°	1488	1488	1488
85°	790	790	790

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4896 cd/sqm

TEST NUMBER: P1318927

CATALOG NUMBER: LDSQA3D05R259835DE010 3LSQPHRL1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.6	20.7
10°-20°	119.7	36.1
20°-30°	75.2	22.7
30°-40°	34.4	10.4
40°-50°	16.1	4.9
50°-60°	8.6	2.6
60°-70°	5.1	1.5
70°-80°	2.6	0.8
80°-90°	0.6	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°	263.5	79.6
0°-40°	298.0	90.0
0°-60°	322.7	97.5
0°-90°	331.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	331.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	826	826	826	826	826	
5°	768	770	769	770	769	69
15°	434	437	436	437	434	120
25°	158	160	159	159	158	75
35°	52	52	53	53	52	34
45°	20	20	20	20	20	16
55°	9	9	9	10	10	8
65°	5	5	5	5	5	5
75°	2	2	2	3	3	3
85°	0	0	0	0	0	1
90°	0	0	0	0	0	

TEST NUMBER: P1318927

CATALOG NUMBER: LDSQA3D05R259835DE010 3LSQPHRL1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	826.1	826.1	826.1	826.1	826.1
1°	822.6	823.4	824.2	825.3	824.9
2°	814.9	816.4	816.8	818.4	818.0
3°	804.4	804.1	807.2	807.2	805.2
4°	788.2	789.0	789.8	790.5	790.9
5°	768.1	769.7	768.9	769.7	769.3
6°	743.4	745.7	745.3	746.1	747.3
7°	717.1	718.7	718.7	717.9	721.0
8°	688.5	687.4	689.3	688.5	688.1
9°	654.5	656.9	657.2	655.3	656.1
10°	619.4	620.9	621.3	622.5	621.3
11°	584.6	584.6	585.4	587.3	584.2
12°	546.7	550.2	546.7	548.3	546.7
13°	510.8	511.6	510.8	510.4	507.7
14°	476.8	474.1	474.9	471.8	472.2
15°	433.9	436.6	436.2	437.0	433.9
17.5°	348.9	350.4	350.1	349.3	345.4
20°	276.3	276.3	273.6	272.0	269.7
22.5°	211.0	210.2	209.0	207.9	208.6
25°	158.4	160.3	159.2	159.2	158.4
27.5°	119.8	122.1	120.2	119.0	119.8
30°	91.2	92.0	91.2	90.8	90.8
32.5°	68.8	69.2	68.8	68.8	68.8
35°	52.5	52.5	52.9	52.9	52.5
37.5°	40.6	40.6	40.6	40.6	41.0
40°	31.3	31.7	31.7	31.7	31.7
42.5°	24.7	25.1	25.1	25.1	25.1
45°	20.1	20.1	20.1	20.1	20.1
47.5°	16.2	16.2	16.2	16.2	16.6
50°	13.1	13.5	13.5	13.5	13.5
52.5°	11.2	11.2	11.2	11.2	11.2
55°	9.3	9.3	9.3	9.7	9.7
57.5°	7.7	7.7	8.1	8.1	8.1
60°	6.6	7.0	7.0	7.0	7.0
62.5°	5.8	5.8	6.2	6.2	6.2
65°	5.0	5.0	5.0	5.0	5.0
67.5°	4.3	4.3	4.3	4.3	4.6
70°	3.5	3.5	3.5	3.9	3.9
72.5°	3.1	3.1	3.1	3.1	3.1
75°	2.3	2.3	2.3	2.7	2.7
77.5°	1.9	1.9	1.9	1.9	1.9
80°	1.5	1.5	1.5	1.5	1.5
82.5°	0.8	0.8	1.2	1.2	1.2
85°	0.4	0.4	0.4	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1318927

CATALOG NUMBER: LDSQA3D05R259835DE010 3LSQPHRL1MB

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)