

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: P1320097

Luminaire Tested: LDSQA3D13R259840DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320097
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: LDSQA3D13R259840DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 98CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

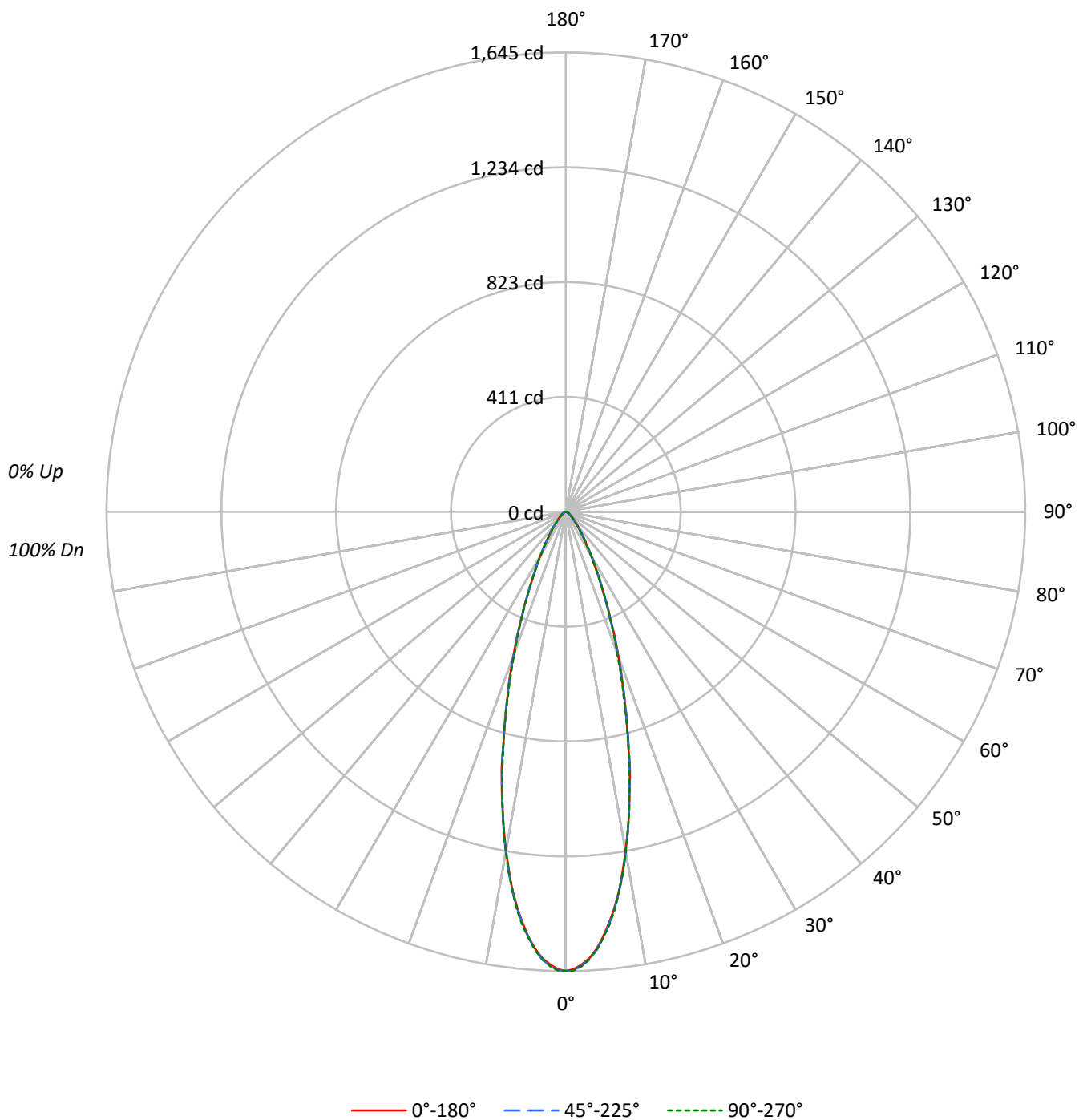
Lumens per Lamp: N/A
Luminaire Lumens: 659.0 lumens
Efficiency: N/A
Efficacy: 45.4 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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: P1320097

CATALOG NUMBER: LDSQA3D13R259840DE010 3LSQPHRL1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1320097

CATALOG NUMBER: LDSQA3D13R259840DE010 3LSQPHRL1MW

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94	94	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	92	90	88	88	88
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	83	83	83
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	79	79	79
5	95	87	82	78	93	86	81	78	85	80	77	83	79	76	82	78	76	74	74	74
6	91	83	78	74	90	82	77	73	81	76	73	79	76	72	78	75	72	71	71	71
7	87	79	74	70	86	78	73	70	77	73	69	76	72	69	75	71	69	67	67	67
8	84	76	70	67	83	75	70	66	74	69	66	73	69	66	72	68	66	64	64	64
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	62	62	62
10	78	69	64	61	77	69	64	61	68	64	61	67	63	60	67	63	60	59	59	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	283255	283255	283255
5°	264386	264645	264784
10°	215644	216326	216326
15°	154032	154852	154032
20°	100802	99812	98401
25°	59934	60219	59934
30°	36094	36094	35955
35°	21992	22160	21992
40°	14006	14186	14186
45°	9742	9742	9742
50°	7020	7207	7207
55°	5555	5555	5765
60°	4512	4753	4753
65°	4075	4075	4075
70°	3474	3474	3877
75°	3061	3061	3593
80°	3075	3075	3075
85°	1581	1581	1581

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 9742 cd/sqm

TEST NUMBER: P1320097

CATALOG NUMBER: LDSQA3D13R259840DE010 3LSQPHRL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.7	20.7
10°-20°	238.2	36.2
20°-30°	149.8	22.7
30°-40°	68.5	10.4
40°-50°	32.0	4.9
50°-60°	17.2	2.6
60°-70°	10.1	1.5
70°-80°	5.3	0.8
80°-90°	1.2	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°	524.7	79.6
0°-40°	593.2	90.0
0°-60°	642.4	97.5
0°-90°	659.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	659.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1645	1645	1645	1645	1645	
5°	1529	1532	1531	1532	1532	136
15°	864	869	868	870	864	238
25°	315	319	317	317	315	150
35°	105	105	105	105	105	68
45°	40	40	40	40	40	32
55°	18	18	18	19	19	17
65°	10	10	10	10	10	10
75°	5	5	5	5	5	5
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

TEST NUMBER: P1320097

CATALOG NUMBER: LDSQA3D13R259840DE010 3LSQPHRL1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1644.7	1644.7	1644.7	1644.7	1644.7
1°	1637.8	1639.3	1640.8	1643.1	1642.4
2°	1622.4	1625.5	1626.2	1629.3	1628.5
3°	1601.6	1600.8	1607.0	1607.0	1603.1
4°	1569.3	1570.8	1572.4	1573.9	1574.7
5°	1529.3	1532.4	1530.8	1532.4	1531.6
6°	1480.1	1484.7	1483.9	1485.4	1487.8
7°	1427.8	1430.8	1430.8	1429.3	1435.4
8°	1370.8	1368.5	1372.4	1370.8	1370.1
9°	1303.1	1307.7	1308.5	1304.7	1306.2
10°	1233.1	1236.2	1237.0	1239.3	1237.0
11°	1163.9	1163.9	1165.4	1169.3	1163.1
12°	1088.5	1095.4	1088.5	1091.6	1088.5
13°	1017.0	1018.5	1017.0	1016.2	1010.8
14°	949.3	943.9	945.4	939.3	940.0
15°	863.9	869.3	868.5	870.0	863.9
17.5°	694.6	697.7	697.0	695.4	687.7
20°	550.0	550.0	544.6	541.6	536.9
22.5°	420.0	418.5	416.2	413.9	415.4
25°	315.4	319.2	316.9	316.9	315.4
27.5°	238.5	243.1	239.2	236.9	238.5
30°	181.5	183.1	181.5	180.8	180.8
32.5°	136.9	137.7	136.9	136.9	136.9
35°	104.6	104.6	105.4	105.4	104.6
37.5°	80.8	80.8	80.8	80.8	81.5
40°	62.3	63.1	63.1	63.1	63.1
42.5°	49.2	50.0	50.0	50.0	50.0
45°	40.0	40.0	40.0	40.0	40.0
47.5°	32.3	32.3	32.3	32.3	33.1
50°	26.2	26.9	26.9	26.9	26.9
52.5°	22.3	22.3	22.3	22.3	22.3
55°	18.5	18.5	18.5	19.2	19.2
57.5°	15.4	15.4	16.2	16.2	16.2
60°	13.1	13.8	13.8	13.8	13.8
62.5°	11.5	11.5	12.3	12.3	12.3
65°	10.0	10.0	10.0	10.0	10.0
67.5°	8.5	8.5	8.5	8.5	9.2
70°	6.9	6.9	6.9	7.7	7.7
72.5°	6.2	6.2	6.2	6.2	6.2
75°	4.6	4.6	4.6	5.4	5.4
77.5°	3.8	3.8	3.8	3.8	3.8
80°	3.1	3.1	3.1	3.1	3.1
82.5°	1.5	1.5	2.3	2.3	2.3
85°	0.8	0.8	0.8	0.8	0.8
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1320097

CATALOG NUMBER: LDSQA3D13R259840DE010 3LSQPHRL1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)