

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: P1312517

Luminaire Tested: LDSQA3D13R159050DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312517
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R159050DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 5000K CCT AND, 90CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

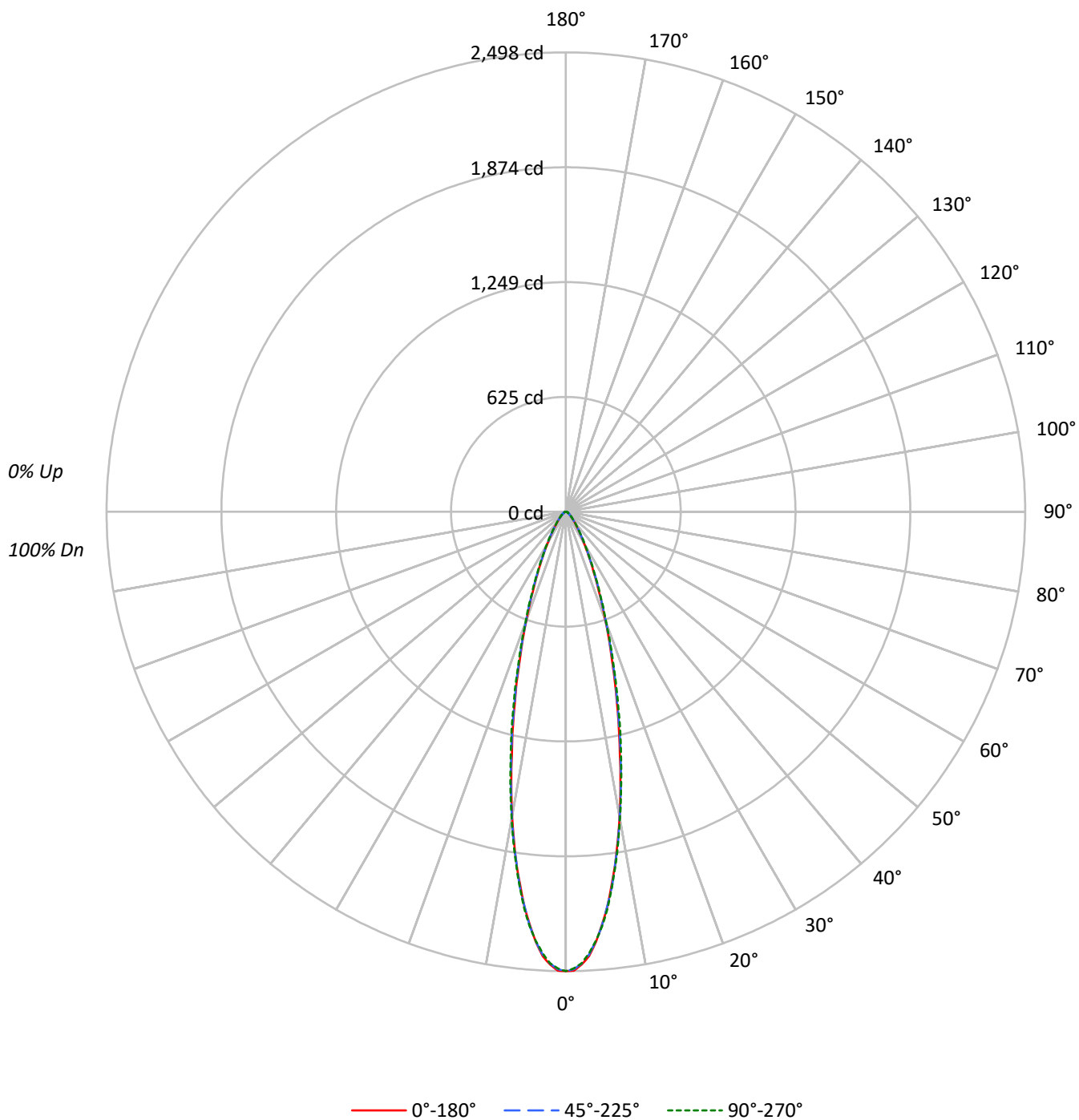
Lumens per Lamp: N/A
Luminaire Lumens: 826.0 lumens
Efficiency: N/A
Efficacy: 56.6 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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: P1312517

CATALOG NUMBER: LDSQA3D13R159050DE010 3LSQPHRL1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1312517

CATALOG NUMBER: LDSQA3D13R159050DE010 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
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	101	97	107	103	99	96	99	97	94		97	94	92		94
3	104	98	94	90	102	97	93	89	94	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	85	82		86
5	96	88	83	79	94	87	83	79	86	82	78		84	80	78		83
6	92	84	79	75	91	83	78	75	82	78	74		81	77	74		79
7	88	80	75	71	87	80	75	71	79	74	71		77	74	71		76
8	85	77	72	68	84	76	72	68	75	71	68		74	70	68		74
9	82	74	69	65	81	73	69	65	73	68	65		72	68	65		71
10	79	71	66	63	78	71	66	63	70	66	63		69	65	62		69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	430178	430178	430178
5°	389638	390381	390935
10°	294165	294917	296403
15°	190815	192883	196663
20°	114877	116252	117791
25°	67117	68524	69531
30°	39435	40708	41344
35°	24304	25208	25650
40°	15985	16457	16682
45°	11106	11374	11618
50°	8252	8520	8815
55°	6696	6996	6996
60°	5856	5856	5856
65°	5175	5175	5175
70°	4280	4784	4784
75°	4259	4259	4259
80°	3174	4166	4166
85°	2174	2174	2174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 11618 cd/sqm

TEST NUMBER: P1312517

CATALOG NUMBER: LDSQA3D13R159050DE010 3LSQPHRL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.7	23.8
10°-20°	300.8	36.4
20°-30°	171.0	20.7
30°-40°	78.0	9.4
40°-50°	37.4	4.5
50°-60°	20.9	2.5
60°-70°	12.8	1.5
70°-80°	6.8	0.8
80°-90°	1.5	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°	668.6	80.9
0°-40°	746.6	90.4
0°-60°	804.9	97.5
0°-90°	826.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	826.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2498	2498	2498	2498	2498	
5°	2254	2253	2258	2258	2261	197
15°	1070	1076	1082	1097	1103	297
25°	353	353	361	364	366	168
35°	116	118	120	122	122	76
45°	46	46	47	48	48	36
55°	22	22	23	23	23	20
65°	13	13	13	13	13	13
75°	6	6	6	6	6	7
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

TEST NUMBER: P1312517

CATALOG NUMBER: LDSQA3D13R159050DE010 3LSQPHRL1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2497.8	2497.8	2497.8	2497.8	2497.8
1°	2495.6	2489.3	2487.2	2486.1	2484.0
2°	2463.8	2458.5	2457.5	2457.5	2456.4
3°	2419.3	2409.7	2410.8	2407.6	2404.4
4°	2344.0	2339.7	2341.9	2344.0	2339.7
5°	2253.8	2252.8	2258.1	2258.1	2261.3
6°	2160.5	2159.4	2156.2	2164.7	2169.0
7°	2041.7	2048.1	2056.6	2052.3	2055.5
8°	1933.5	1926.1	1929.3	1939.9	1940.9
9°	1806.2	1800.9	1814.7	1819.0	1820.0
10°	1682.1	1687.5	1686.4	1701.2	1694.9
12.5°	1358.7	1367.1	1376.7	1383.1	1389.4
15°	1070.2	1075.5	1081.8	1096.7	1103.0
17.5°	823.0	829.4	835.8	848.5	850.6
20°	626.8	630.0	634.3	645.9	642.7
22.5°	468.8	474.1	478.3	483.6	486.8
25°	353.2	353.2	360.6	363.8	365.9
27.5°	263.0	265.2	270.5	274.7	273.6
30°	198.3	201.5	204.7	206.8	207.9
32.5°	152.7	152.7	155.9	159.1	160.2
35°	115.6	117.7	119.9	122.0	122.0
37.5°	90.2	91.2	93.3	94.4	94.4
40°	71.1	71.1	73.2	74.2	74.2
42.5°	56.2	57.3	58.3	59.4	59.4
45°	45.6	45.6	46.7	47.7	47.7
47.5°	37.1	37.1	38.2	39.2	39.2
50°	30.8	31.8	31.8	32.9	32.9
52.5°	26.5	26.5	26.5	27.6	27.6
55°	22.3	22.3	23.3	23.3	23.3
57.5°	19.1	19.1	19.1	20.2	20.2
60°	17.0	17.0	17.0	17.0	17.0
62.5°	14.8	14.8	14.8	14.8	14.8
65°	12.7	12.7	12.7	12.7	12.7
67.5°	10.6	10.6	10.6	11.7	11.7
70°	8.5	9.5	9.5	9.5	9.5
72.5°	7.4	7.4	7.4	7.4	7.4
75°	6.4	6.4	6.4	6.4	6.4
77.5°	5.3	5.3	5.3	5.3	5.3
80°	3.2	4.2	4.2	4.2	4.2
82.5°	2.1	2.1	2.1	2.1	2.1
85°	1.1	1.1	1.1	1.1	1.1
87.5°	0.0	0.0	0.0	0.0	1.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)