

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: P1315725

Luminaire Tested: LDSQA3D17R159735DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315725
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: LDSQA3D17R159735DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 97CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

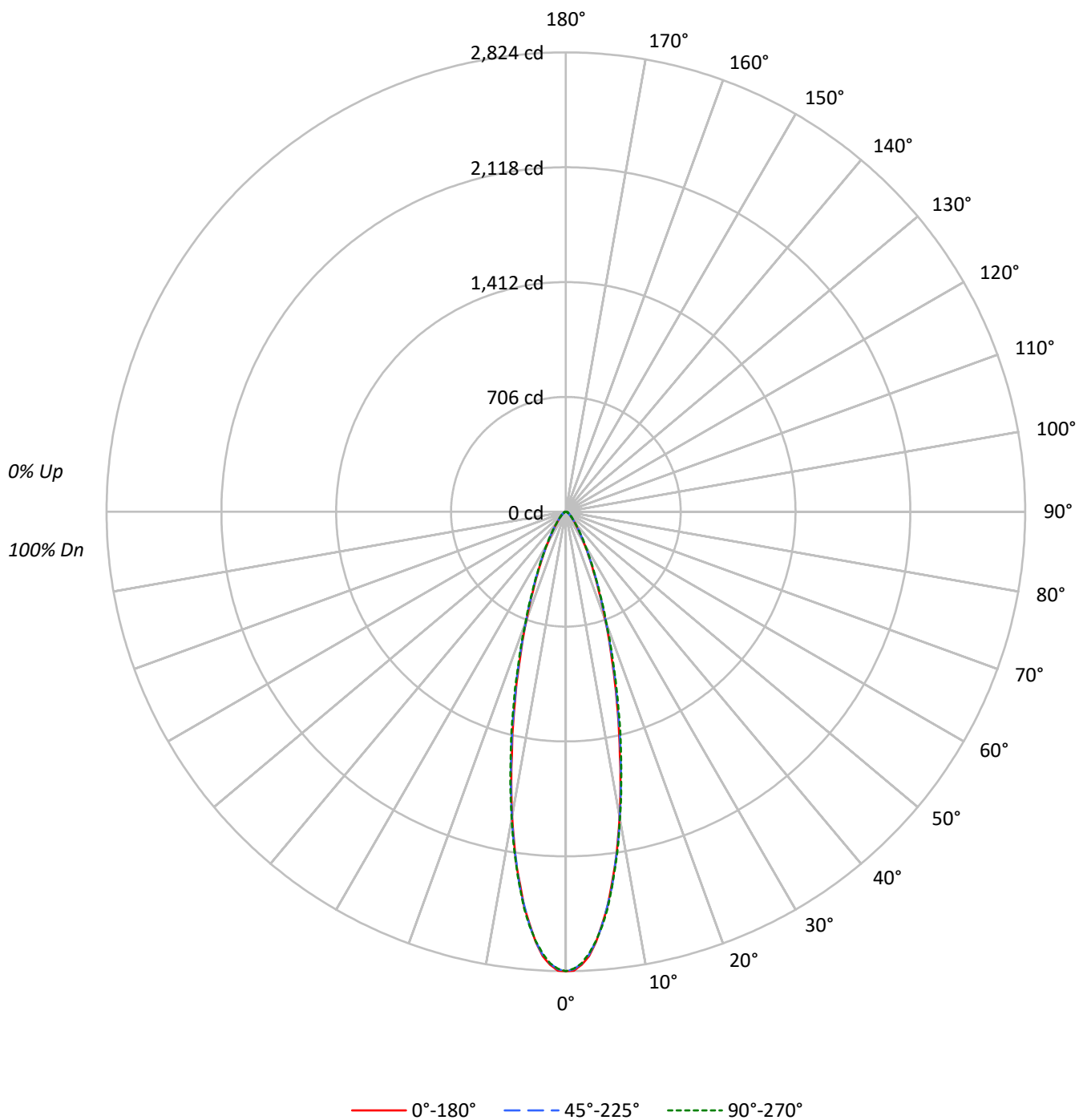
Lumens per Lamp: N/A
Luminaire Lumens: 934.1 lumens
Efficiency: N/A
Efficacy: 44.1 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1315725

CATALOG NUMBER: LDSQA3D17R159735DE010 3LSQPHRL1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1315725

CATALOG NUMBER: LDSQA3D17R159735DE010 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°	486426	486426	486426
5°	440586	441416	442038
10°	332638	333478	335156
15°	215758	218112	222391
20°	129906	131445	133205
25°	75897	77493	78633
30°	44606	46037	46753
35°	27479	28488	28993
40°	18076	18615	18885
45°	12568	12860	13152
50°	9324	9646	9967
55°	7567	7927	7927
60°	6613	6613	6613
65°	5868	5868	5868
70°	4834	5438	5438
75°	4791	4791	4791
80°	3570	4761	4761
85°	2371	2371	2371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 13152 cd/sqm

TEST NUMBER: P1315725

CATALOG NUMBER: LDSQA3D17R159735DE010 3LSQPHRL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.5	23.8
10°-20°	340.2	36.4
20°-30°	193.3	20.7
30°-40°	88.2	9.4
40°-50°	42.3	4.5
50°-60°	23.7	2.5
60°-70°	14.5	1.6
70°-80°	7.7	0.8
80°-90°	1.7	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°	756.0	80.9
0°-40°	844.2	90.4
0°-60°	910.2	97.4
0°-90°	934.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	934.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2824	2824	2824	2824	2824	
5°	2548	2547	2553	2553	2557	222
15°	1210	1216	1223	1240	1247	336
25°	399	399	408	411	414	189
35°	131	133	136	138	138	86
45°	52	52	53	54	54	41
55°	25	25	26	26	26	23
65°	14	14	14	14	14	14
75°	7	7	7	7	7	7
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

TEST NUMBER: P1315725

CATALOG NUMBER: LDSQA3D17R159735DE010 3LSQPHRL1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2824.4	2824.4	2824.4	2824.4	2824.4
1°	2822.0	2814.8	2812.4	2811.2	2808.8
2°	2786.0	2780.0	2778.8	2778.8	2777.6
3°	2735.6	2724.8	2726.0	2722.4	2718.8
4°	2650.5	2645.7	2648.1	2650.5	2645.7
5°	2548.5	2547.3	2553.3	2553.3	2556.9
6°	2443.0	2441.8	2438.2	2447.8	2452.6
7°	2308.7	2315.9	2325.4	2320.6	2324.2
8°	2186.3	2177.9	2181.5	2193.5	2194.7
9°	2042.4	2036.4	2052.0	2056.8	2058.0
10°	1902.1	1908.1	1906.9	1923.7	1916.5
12.5°	1536.3	1545.9	1556.7	1563.9	1571.1
15°	1210.1	1216.1	1223.3	1240.1	1247.3
17.5°	930.7	937.9	945.0	959.4	961.8
20°	708.8	712.4	717.2	730.4	726.8
22.5°	530.1	536.1	540.9	546.9	550.5
25°	399.4	399.4	407.8	411.4	413.8
27.5°	297.4	299.8	305.8	310.6	309.4
30°	224.3	227.9	231.5	233.9	235.1
32.5°	172.7	172.7	176.3	179.9	181.1
35°	130.7	133.1	135.5	137.9	137.9
37.5°	101.9	103.1	105.5	106.7	106.7
40°	80.4	80.4	82.8	84.0	84.0
42.5°	63.6	64.8	66.0	67.2	67.2
45°	51.6	51.6	52.8	54.0	54.0
47.5°	42.0	42.0	43.2	44.4	44.4
50°	34.8	36.0	36.0	37.2	37.2
52.5°	30.0	30.0	30.0	31.2	31.2
55°	25.2	25.2	26.4	26.4	26.4
57.5°	21.6	21.6	21.6	22.8	22.8
60°	19.2	19.2	19.2	19.2	19.2
62.5°	16.8	16.8	16.8	16.8	16.8
65°	14.4	14.4	14.4	14.4	14.4
67.5°	12.0	12.0	12.0	13.2	13.2
70°	9.6	10.8	10.8	10.8	10.8
72.5°	8.4	8.4	8.4	8.4	8.4
75°	7.2	7.2	7.2	7.2	7.2
77.5°	6.0	6.0	6.0	6.0	6.0
80°	3.6	4.8	4.8	4.8	4.8
82.5°	2.4	2.4	2.4	2.4	2.4
85°	1.2	1.2	1.2	1.2	1.2
87.5°	0.0	0.0	0.0	0.0	1.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)