

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: P1312672

Luminaire Tested: LDSQA3D17R159050DE010 3LSQPHRL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312672
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: LDSQA3D17R159050DE010 3LSQPHRL1MB
Description: 3in Adjustable LED luminaire with, R15 optic, 5000K CCT AND, 90CRI , 3LSQPHRL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

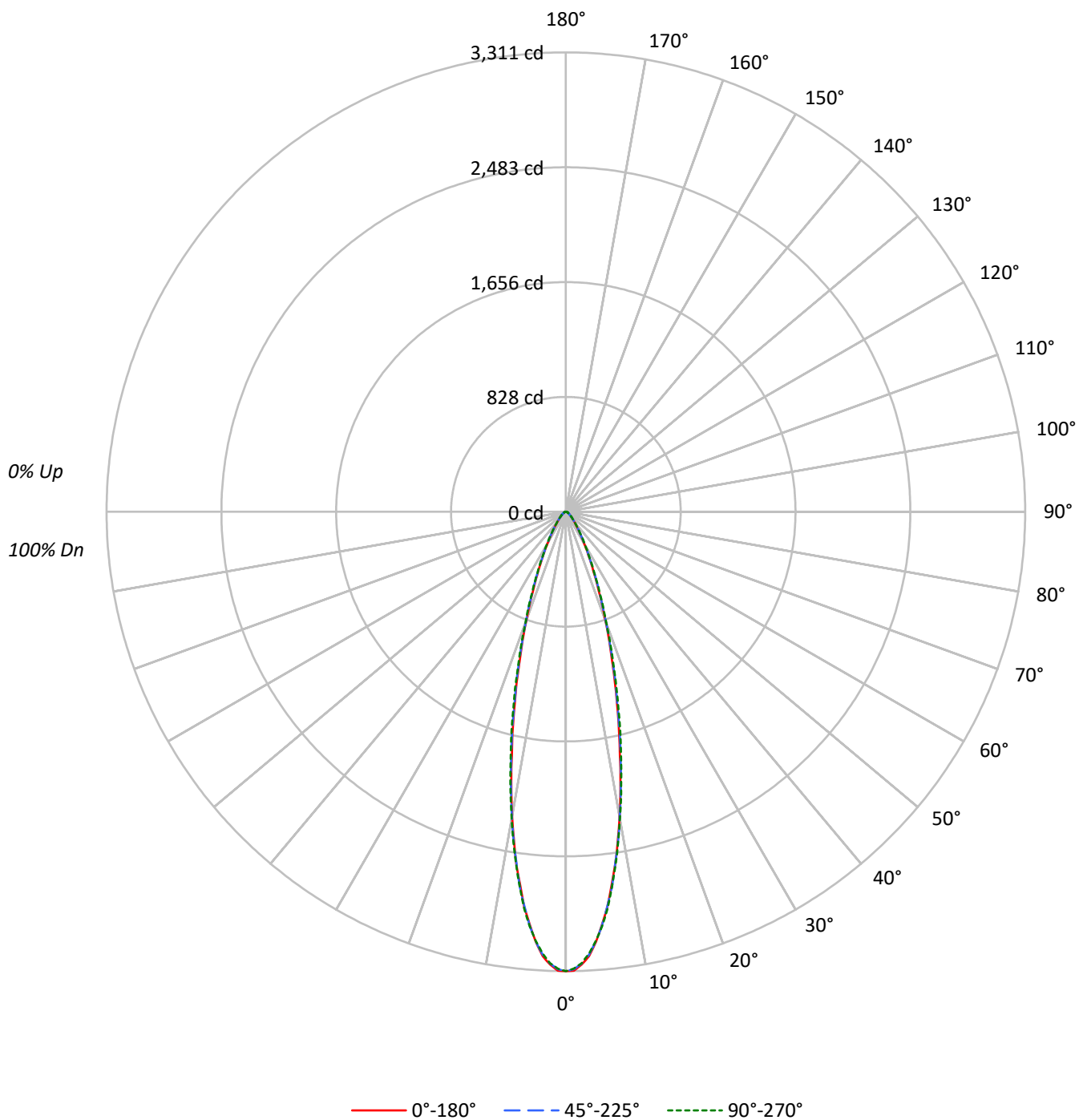
Lumens per Lamp: N/A
Luminaire Lumens: 1095.0 lumens
Efficiency: N/A
Efficacy: 51.7 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1312672

CATALOG NUMBER: LDSQA3D17R159050DE010 3LSQPHRL1MB

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	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°	570264	570264	570264
5°	516532	517500	518244
10°	389981	390961	392919
15°	252951	255715	260725
20°	152302	154098	156169
25°	88970	90852	92182
30°	52282	53972	54807
35°	32231	33408	33997
40°	21178	21808	22122
45°	14735	15076	15417
50°	10932	11307	11682
55°	8858	9278	9278
60°	7750	7750	7750
65°	6887	6887	6887
70°	5640	6395	6395
75°	5590	5590	5590
80°	4166	5554	5554
85°	2766	2766	2766

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 15417 cd/sqm

TEST NUMBER: P1312672

CATALOG NUMBER: LDSQA3D17R159050DE010 3LSQPHRL1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	260.8	23.8
10°-20°	398.8	36.4
20°-30°	226.7	20.7
30°-40°	103.4	9.4
40°-50°	49.6	4.5
50°-60°	27.7	2.5
60°-70°	17.0	1.6
70°-80°	9.0	0.8
80°-90°	1.9	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°	886.3	80.9
0°-40°	989.7	90.4
0°-60°	1067.1	97.4
0°-90°	1095.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1095.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3311	3311	3311	3311	3311	
5°	2988	2986	2993	2993	2998	261
15°	1419	1426	1434	1454	1462	394
25°	468	468	478	482	485	222
35°	153	156	159	162	162	101
45°	60	60	62	63	63	48
55°	30	30	31	31	31	27
65°	17	17	17	17	17	17
75°	8	8	8	8	8	9
85°	1	1	1	1	1	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3311.2	3311.2	3311.2	3311.2	3311.2
1°	3308.4	3300.0	3297.1	3295.7	3292.9
2°	3266.2	3259.2	3257.8	3257.8	3256.4
3°	3207.2	3194.5	3195.9	3191.7	3187.5
4°	3107.3	3101.7	3104.5	3107.3	3101.7
5°	2987.8	2986.4	2993.4	2993.4	2997.7
6°	2864.1	2862.7	2858.5	2869.7	2875.3
7°	2706.6	2715.1	2726.3	2720.7	2724.9
8°	2563.2	2553.4	2557.6	2571.6	2573.0
9°	2394.5	2387.4	2405.7	2411.3	2412.8
10°	2230.0	2237.0	2235.6	2255.3	2246.8
12.5°	1801.1	1812.4	1825.0	1833.5	1841.9
15°	1418.7	1425.7	1434.2	1453.8	1462.3
17.5°	1091.1	1099.5	1108.0	1124.8	1127.6
20°	831.0	835.2	840.8	856.3	852.1
22.5°	621.5	628.5	634.1	641.2	645.4
25°	468.2	468.2	478.1	482.3	485.1
27.5°	348.7	351.5	358.5	364.2	362.8
30°	262.9	267.1	271.4	274.2	275.6
32.5°	202.5	202.5	206.7	210.9	212.3
35°	153.3	156.1	158.9	161.7	161.7
37.5°	119.5	120.9	123.7	125.1	125.1
40°	94.2	94.2	97.0	98.4	98.4
42.5°	74.5	75.9	77.3	78.7	78.7
45°	60.5	60.5	61.9	63.3	63.3
47.5°	49.2	49.2	50.6	52.0	52.0
50°	40.8	42.2	42.2	43.6	43.6
52.5°	35.2	35.2	35.2	36.6	36.6
55°	29.5	29.5	30.9	30.9	30.9
57.5°	25.3	25.3	25.3	26.7	26.7
60°	22.5	22.5	22.5	22.5	22.5
62.5°	19.7	19.7	19.7	19.7	19.7
65°	16.9	16.9	16.9	16.9	16.9
67.5°	14.1	14.1	14.1	15.5	15.5
70°	11.2	12.7	12.7	12.7	12.7
72.5°	9.8	9.8	9.8	9.8	9.8
75°	8.4	8.4	8.4	8.4	8.4
77.5°	7.0	7.0	7.0	7.0	7.0
80°	4.2	5.6	5.6	5.6	5.6
82.5°	2.8	2.8	2.8	2.8	2.8
85°	1.4	1.4	1.4	1.4	1.4
87.5°	0.0	0.0	0.0	0.0	1.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)