

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: P1311662

Luminaire Tested: LDSQA3D17R359040DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311662
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R359040DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 90CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

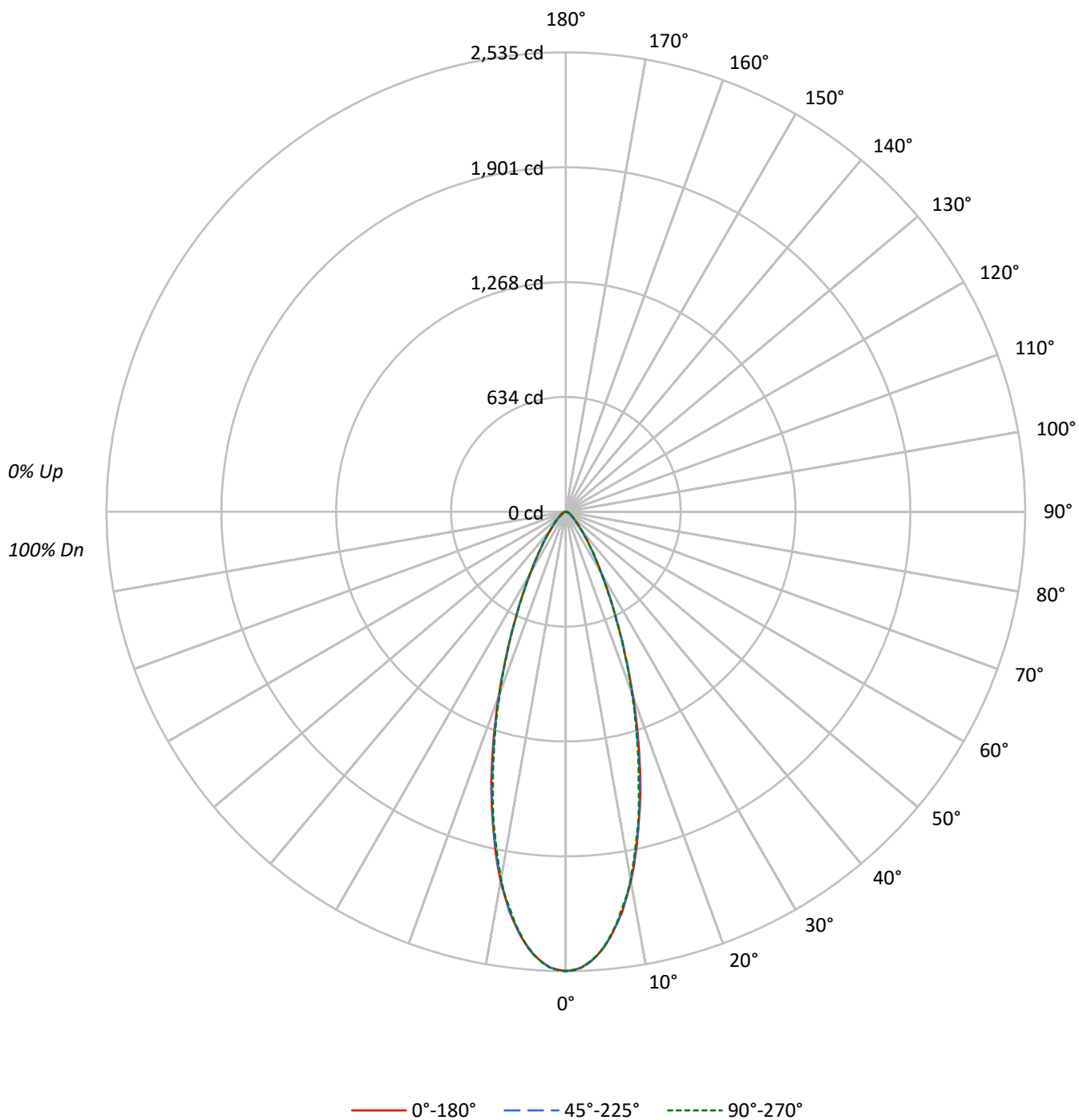
Lumens per Lamp: N/A
Luminaire Lumens: 1250.0 lumens
Efficiency: N/A
Efficacy: 59.0 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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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	108	106	111	109	106	104	105	103	101		101	99	98		97
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93
3	103	97	92	88	101	95	91	87	93	89	86		90	87	85		88
4	98	91	86	82	96	90	85	81	88	84	80		86	82	79		84
5	94	86	80	76	92	85	80	76	83	79	75		82	78	75		80
6	90	81	76	72	88	81	75	71	79	74	71		78	74	70		76
7	86	77	72	68	85	77	71	67	75	71	67		74	70	67		73
8	82	73	68	64	81	73	68	64	72	67	64		71	67	63		70
9	79	70	65	61	78	70	64	61	69	64	61		68	63	60		67
10	76	67	62	58	75	67	61	58	66	61	58		65	61	58		64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	436516	436516	436516
5°	417109	416400	417109
10°	362105	360899	360409
15°	283743	281515	277075
20°	198506	196728	195463
25°	126064	126862	126064
30°	77677	78234	77677
35°	48041	48335	48335
40°	30508	30823	30823
45°	20581	20922	21263
50°	14843	15218	15218
55°	11650	11650	11650
60°	9541	9541	9541
65°	8476	8476	8476
70°	7654	7654	7654
75°	6455	6455	6455
80°	5455	5455	5455
85°	2766	2766	5533

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 21263 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.0	17.5
10°-20°	431.3	34.5
20°-30°	311.2	24.9
30°-40°	150.0	12.0
40°-50°	69.2	5.5
50°-60°	35.8	2.9
60°-70°	20.7	1.7
70°-80°	10.4	0.8
80°-90°	2.5	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°	961.5	76.9
0°-40°	1111.5	88.9
0°-60°	1216.4	97.3
0°-90°	1250.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1250.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2535	2535	2535	2535	2535	
5°	2413	2418	2409	2410	2413	219
15°	1591	1589	1579	1572	1554	434
25°	663	665	668	668	663	311
35°	228	228	230	230	230	149
45°	84	86	86	87	87	68
55°	39	39	39	39	39	35
65°	21	21	21	21	21	20
75°	10	10	10	10	10	10
85°	1	1	1	1	3	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2534.6	2534.6	2534.6	2534.6	2534.6
1°	2527.7	2531.8	2530.5	2531.8	2530.5
2°	2515.2	2518.0	2515.2	2516.6	2516.6
3°	2488.9	2491.7	2491.7	2490.3	2488.9
4°	2457.1	2464.0	2457.1	2458.4	2454.3
5°	2412.7	2418.3	2408.6	2410.0	2412.7
6°	2358.7	2360.1	2357.3	2355.9	2353.2
7°	2296.4	2301.9	2292.2	2293.6	2290.8
8°	2229.9	2228.5	2228.5	2223.0	2214.7
9°	2149.6	2155.1	2146.8	2144.0	2145.4
10°	2070.6	2070.6	2063.7	2056.8	2060.9
11°	1980.6	1977.8	1973.7	1964.0	1961.2
12°	1882.3	1887.8	1875.3	1871.2	1861.5
13°	1781.2	1789.5	1783.9	1768.7	1770.1
14°	1687.0	1681.4	1677.3	1674.5	1664.8
15°	1591.4	1588.6	1578.9	1572.0	1554.0
17.5°	1329.6	1332.4	1314.4	1311.6	1304.7
20°	1083.1	1074.8	1073.4	1074.8	1066.5
22.5°	854.6	862.9	853.2	854.6	849.0
25°	663.4	664.8	667.6	667.6	663.4
27.5°	515.2	515.2	512.5	515.2	511.1
30°	390.6	390.6	393.4	396.1	390.6
32.5°	301.9	301.9	301.9	303.3	304.7
35°	228.5	228.5	229.9	229.9	229.9
37.5°	175.9	177.3	178.7	178.7	178.7
40°	135.7	137.1	137.1	138.5	137.1
42.5°	108.0	108.0	108.0	109.4	109.4
45°	84.5	85.9	85.9	87.3	87.3
47.5°	69.3	69.3	69.3	70.6	70.6
50°	55.4	56.8	56.8	56.8	56.8
52.5°	45.7	45.7	47.1	47.1	47.1
55°	38.8	38.8	38.8	38.8	38.8
57.5°	31.9	33.2	33.2	33.2	33.2
60°	27.7	27.7	27.7	27.7	27.7
62.5°	23.5	23.5	23.5	23.5	23.5
65°	20.8	20.8	20.8	20.8	20.8
67.5°	16.6	18.0	18.0	18.0	18.0
70°	15.2	15.2	15.2	15.2	15.2
72.5°	11.1	12.5	12.5	12.5	12.5
75°	9.7	9.7	9.7	9.7	9.7
77.5°	8.3	6.9	6.9	6.9	8.3
80°	5.5	5.5	5.5	5.5	5.5
82.5°	4.2	4.2	4.2	4.2	4.2
85°	1.4	1.4	1.4	1.4	2.8
87.5°	0.0	0.0	0.0	1.4	1.4



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)