

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: P1317500

Luminaire Tested: LDSQA3D13R359827DE010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317500
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R359827DE010 3LSQPHR1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 98CRI , 3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

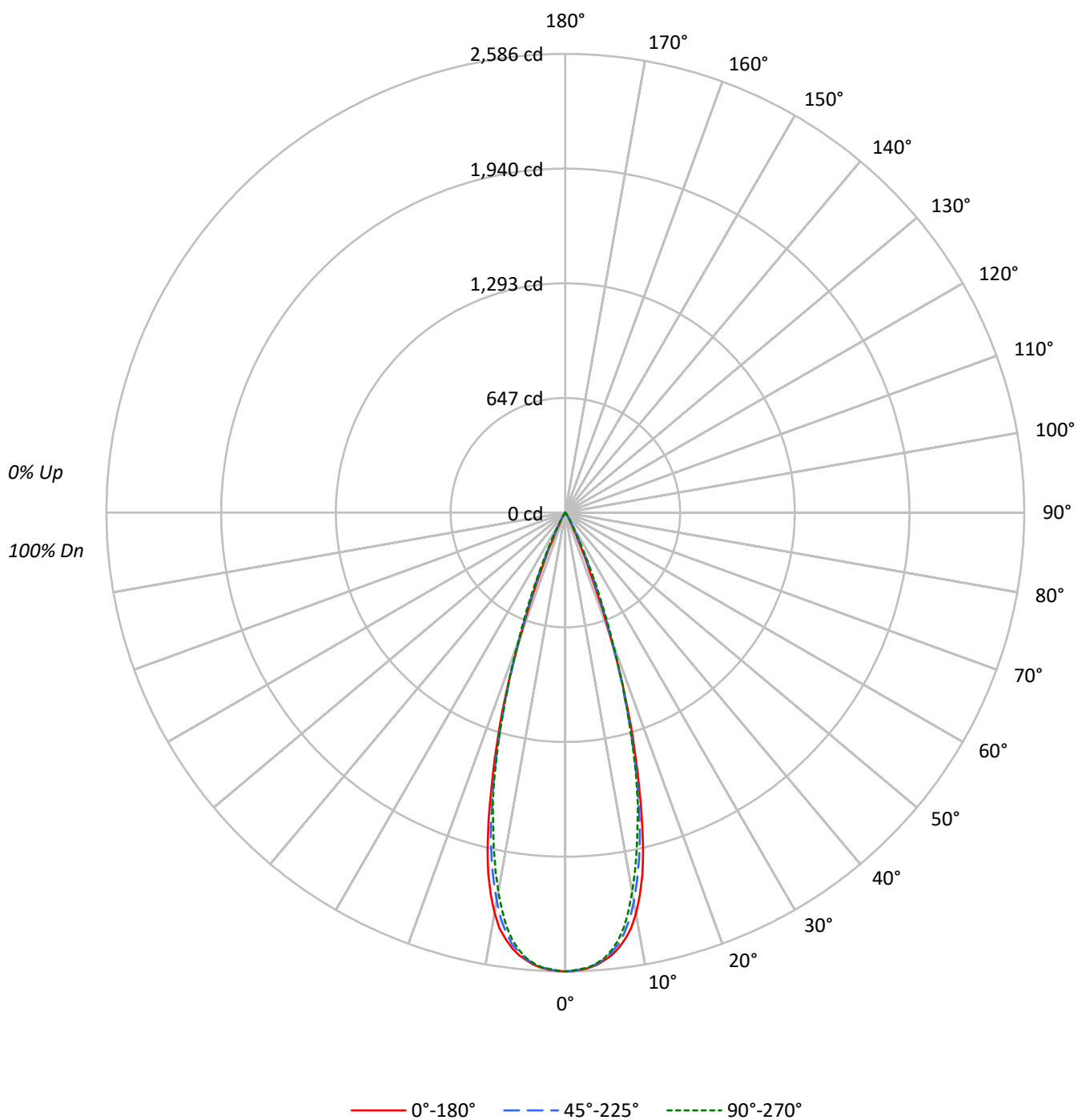
Lumens per Lamp: N/A
Luminaire Lumens: 785.0 lumens
Efficiency: N/A
Efficacy: 54.1 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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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	115	113	111	109	113	111	109	108	107	106	104		103	102	101		100
2	111	108	105	102	109	106	103	101	103	101	99		100	98	97		97
3	108	103	100	97	106	102	99	96	99	97	94		97	95	93		95
4	104	99	95	92	103	98	94	92	96	93	91		94	92	90		93
5	101	95	91	88	100	95	91	88	93	90	87		92	89	87		90
6	98	92	88	85	97	91	88	85	90	87	84		89	86	84		88
7	96	89	85	82	94	89	85	82	87	84	81		86	83	81		85
8	93	86	82	79	92	86	82	79	85	81	79		84	81	79		83
9	90	84	80	77	89	83	79	77	82	79	76		82	79	76		81
10	88	81	77	75	87	81	77	74	80	77	74		80	76	74		79

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	445419	445419	445419
5°	437768	436834	435901
10°	401208	389142	379681
15°	287292	278127	274757
20°	133223	137805	142643
25°	31601	44979	46899
30°	9287	10619	11972
35°	2123	3406	3133
40°	450	922	607
45°	170	170	170
50°	188	0	188
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 198 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.2	29.6
10°-20°	415.1	52.9
20°-30°	124.9	15.9
30°-40°	11.9	1.5
40°-50°	0.8	0.1
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	772.2	98.4
0°-40°	784.1	99.9
0°-60°	785.0	100.0
0°-90°	785.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	785.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2586	2586	2586	2586	2586	
5°	2532	2532	2527	2523	2521	235
15°	1611	1599	1560	1553	1541	426
25°	166	183	237	247	247	107
35°	10	14	16	18	15	9
45°	1	1	1	1	1	1
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2586.3	2586.3	2586.3	2586.3	2586.3
1°	2585.0	2585.0	2583.6	2583.6	2580.9
2°	2578.9	2579.5	2576.8	2576.2	2574.1
3°	2569.4	2567.4	2567.4	2566.0	2564.7
4°	2554.5	2550.5	2549.1	2549.8	2547.1
5°	2532.2	2531.5	2526.8	2523.4	2521.4
6°	2507.9	2503.1	2493.0	2484.2	2482.2
7°	2471.4	2461.2	2452.4	2434.2	2431.5
8°	2426.7	2410.5	2391.6	2365.9	2364.5
9°	2372.0	2345.6	2319.2	2284.7	2272.6
10°	2294.2	2269.9	2225.2	2194.8	2171.1
11°	2197.5	2167.1	2115.0	2078.5	2058.9
12°	2088.0	2059.6	1998.7	1965.6	1937.9
13°	1947.3	1923.7	1866.9	1830.4	1808.7
14°	1784.4	1766.8	1712.7	1696.5	1689.0
15°	1611.3	1599.1	1559.9	1553.1	1541.0
17.5°	1186.0	1165.7	1143.4	1147.4	1151.5
20°	726.9	755.3	751.9	766.8	778.3
22.5°	362.4	398.9	441.5	467.2	480.1
25°	166.3	183.2	236.7	246.8	246.8
27.5°	83.8	87.9	111.6	113.6	119.0
30°	46.7	50.0	53.4	59.5	60.2
32.5°	23.7	27.7	29.1	32.5	31.1
35°	10.1	13.5	16.2	17.6	14.9
37.5°	4.7	6.1	8.8	8.1	6.1
40°	2.0	2.7	4.1	3.4	2.7
42.5°	1.4	1.4	2.0	1.4	1.4
45°	0.7	0.7	0.7	0.7	0.7
47.5°	0.7	0.7	0.0	0.7	0.7
50°	0.7	0.0	0.0	0.0	0.7
52.5°	0.7	0.0	0.0	0.0	0.7
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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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)