

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: P1308289

Luminaire Tested: LDSQA3D17R309027DE010 3LSQPHRL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308289
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R309027DE010 3LSQPHRL1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , 3LSQPHRL1MB TRIM
Light Source: -
Ballast/Driver: -

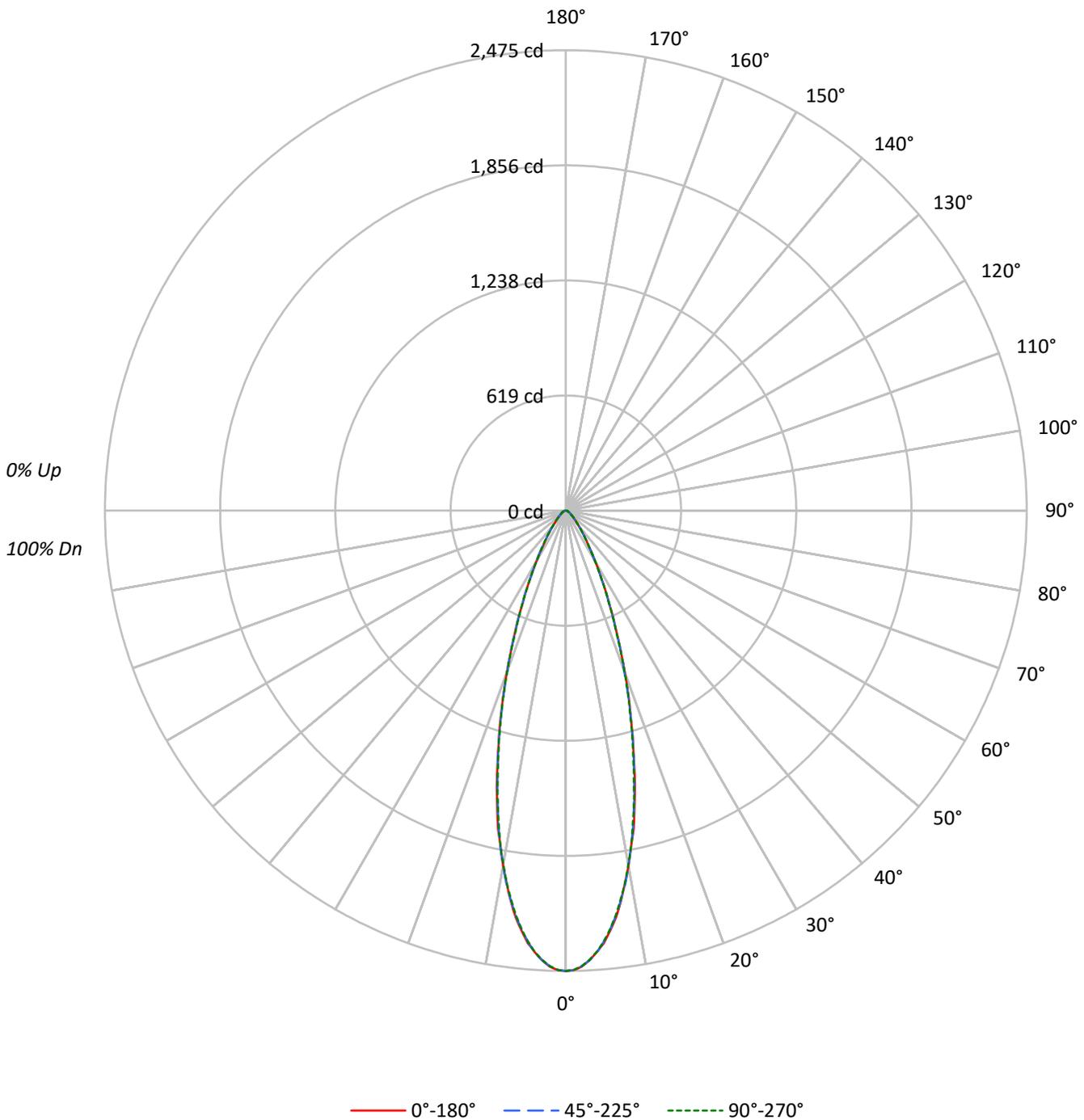
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1087.0 lumens
Efficiency: N/A
Efficacy: 51.3 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
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 (A_{in}): 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			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	96	96	96	94
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	90	90	90	90	88
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	84	84	84	83
4	99	92	87	83	97	91	86	82	89	84	81	87	83	80	85	82	79	79	79	79	78
5	95	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	75	75	75	74
6	90	82	77	73	89	82	76	73	80	76	72	79	75	72	77	74	71	71	71	71	70
7	87	78	73	69	86	78	72	69	76	72	68	75	71	68	74	71	68	68	68	68	66
8	83	75	69	66	82	74	69	65	73	68	65	72	68	65	71	67	65	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	65	62	62	62	62	61
10	77	68	63	60	76	68	63	60	67	63	59	66	62	59	66	62	59	59	59	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	426268	426268	426268
5°	403572	402535	402328
10°	339039	339039	337780
15°	252595	251953	250455
20°	169072	168174	168394
25°	104211	103983	104439
30°	62663	62663	62901
35°	38433	38433	38685
40°	24326	24326	24865
45°	16708	17000	17000
50°	12244	12244	12244
55°	9398	9758	9758
60°	7888	7888	8301
65°	6846	6846	6846
70°	6043	6647	6647
75°	5590	5590	5590
80°	4761	4761	4761
85°	2371	2371	2371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 17000 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.8	19.3
10°-20°	387.4	35.6
20°-30°	257.5	23.7
30°-40°	119.0	11.0
40°-50°	55.3	5.1
50°-60°	29.6	2.7
60°-70°	17.2	1.6
70°-80°	9.1	0.8
80°-90°	2.0	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°	854.8	78.6
0°-40°	973.8	89.6
0°-60°	1058.7	97.4
0°-90°	1087.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1087.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2475	2475	2475	2475	2475	
5°	2334	2330	2328	2334	2327	210
15°	1417	1422	1413	1413	1405	389
25°	548	547	547	547	550	258
35°	183	182	183	184	184	118
45°	69	69	70	70	70	55
55°	31	32	32	32	32	29
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°	2475.1	2475.1	2475.1	2475.1	2475.1
1°	2470.3	2467.9	2470.3	2473.9	2469.1
2°	2453.5	2451.0	2451.0	2455.9	2451.0
3°	2421.0	2423.4	2422.2	2427.0	2418.6
4°	2380.1	2378.9	2383.7	2386.1	2378.9
5°	2334.4	2329.6	2328.4	2334.4	2327.2
6°	2271.9	2268.2	2265.8	2273.1	2263.4
7°	2204.5	2202.1	2198.5	2200.9	2193.7
8°	2121.5	2120.3	2117.9	2120.3	2111.9
9°	2028.9	2028.9	2033.7	2032.5	2027.7
10°	1938.7	1941.1	1938.7	1941.1	1931.5
11°	1837.7	1837.7	1840.1	1838.9	1840.1
12°	1749.9	1740.3	1737.9	1735.5	1728.2
13°	1636.8	1629.6	1627.2	1629.6	1626.0
14°	1533.4	1528.6	1516.6	1519.0	1514.2
15°	1416.7	1421.6	1413.1	1413.1	1404.7
17.5°	1158.2	1153.4	1155.8	1157.0	1153.4
20°	922.5	920.0	917.6	915.2	918.8
22.5°	716.8	718.0	715.6	713.2	710.8
25°	548.4	547.2	547.2	547.2	549.6
27.5°	416.1	416.1	416.1	417.3	417.3
30°	315.1	312.7	315.1	316.3	316.3
32.5°	235.7	238.1	239.3	239.3	239.3
35°	182.8	181.6	182.8	184.0	184.0
37.5°	139.5	139.5	140.7	140.7	141.9
40°	108.2	108.2	108.2	109.4	110.6
42.5°	85.4	85.4	86.6	86.6	87.8
45°	68.6	68.6	69.8	69.8	69.8
47.5°	55.3	55.3	56.5	56.5	56.5
50°	45.7	45.7	45.7	45.7	45.7
52.5°	38.5	37.3	38.5	38.5	38.5
55°	31.3	32.5	32.5	32.5	32.5
57.5°	26.5	27.7	27.7	27.7	27.7
60°	22.9	22.9	22.9	24.1	24.1
62.5°	19.2	20.4	20.4	20.4	20.4
65°	16.8	16.8	16.8	16.8	16.8
67.5°	14.4	14.4	14.4	14.4	15.6
70°	12.0	12.0	13.2	13.2	13.2
72.5°	10.8	10.8	10.8	10.8	10.8
75°	8.4	8.4	8.4	8.4	8.4
77.5°	6.0	6.0	7.2	7.2	6.0
80°	4.8	4.8	4.8	4.8	4.8
82.5°	3.6	3.6	3.6	3.6	3.6
85°	1.2	1.2	1.2	1.2	1.2
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)