

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: P1310042

Luminaire Tested: LDSQA3D05R309035DE010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310042
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R309035DE010 3LSQPHR1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 90CRI , 3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

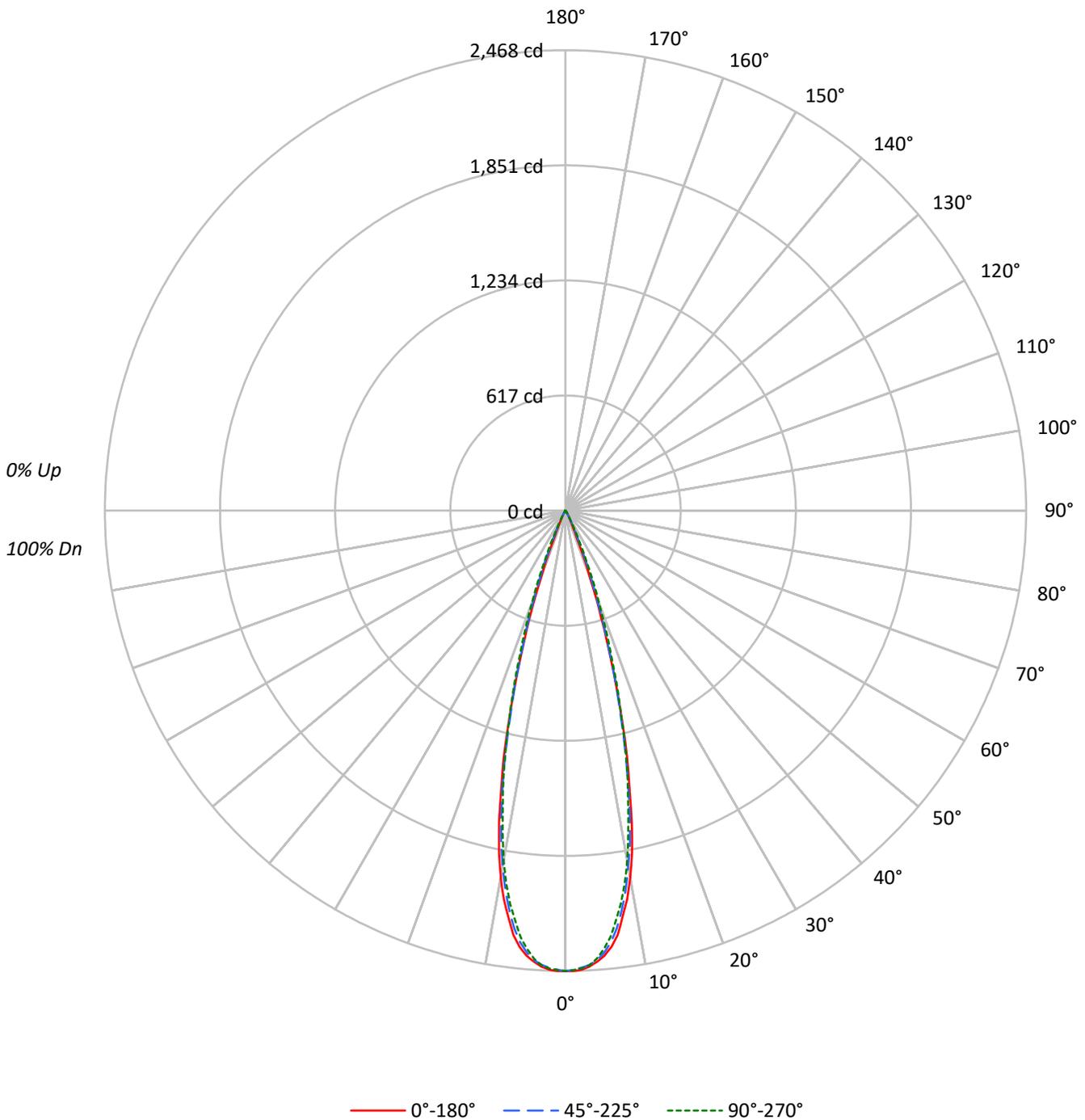
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 598.0 lumens
Efficiency: N/A
Efficacy: 83.1 lumens/watt
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	100	100	100	100
1	115	113	111	110	113	111	109	108	107	106	105	103	103	102	100	99	99	97	97	97	97
2	112	108	105	103	110	107	104	102	104	101	100	101	99	98	98	97	96	94	94	94	94
3	108	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92	92	92	92
4	105	100	97	94	104	99	96	93	97	94	92	95	93	91	94	92	90	89	89	89	89
5	102	97	93	90	101	96	93	90	95	91	89	93	90	88	92	89	88	87	87	87	87
6	100	94	90	87	99	93	90	87	92	89	86	91	88	86	90	87	85	84	84	84	84
7	97	91	87	84	96	91	87	84	90	86	84	88	86	83	88	85	83	82	82	82	82
8	95	89	85	82	94	88	84	82	87	84	82	86	83	81	86	83	81	80	80	80	80
9	92	86	82	80	92	86	82	80	85	82	79	84	81	79	84	81	79	78	78	78	78
10	90	84	80	78	90	84	80	78	83	80	77	82	79	77	82	79	77	76	76	76	76

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	425045	425045	425045
5°	414101	411248	407860
10°	349462	338724	333233
15°	210588	204704	208484
20°	71441	82492	95157
25°	13131	20580	24304
30°	4514	5031	5648
35°	1304	1619	1724
40°	337	585	472
45°	122	122	122
50°	134	0	134
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: 141 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.4	35.7
10°-20°	311.9	52.2
20°-30°	66.0	11.0
30°-40°	6.1	1.0
40°-50°	0.6	0.1
50°-60°	0.0	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°	591.3	98.9
0°-40°	597.4	99.9
0°-60°	598.0	100.0
0°-90°	598.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	598.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2468	2468	2468	2468	2468	
5°	2395	2391	2379	2372	2359	216
15°	1181	1177	1148	1175	1169	312
25°	69	77	108	127	128	50
35°	6	8	8	9	8	5
45°	0	0	0	0	0	0
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°	2468.0	2468.0	2468.0	2468.0	2468.0
1°	2468.5	2465.9	2462.3	2467.5	2463.8
2°	2463.3	2457.1	2452.0	2457.1	2455.6
3°	2447.9	2442.7	2439.1	2441.7	2441.7
4°	2424.7	2419.0	2415.9	2416.4	2408.7
5°	2395.3	2390.6	2378.8	2371.6	2359.2
6°	2352.0	2340.6	2326.2	2314.3	2298.4
7°	2293.2	2275.7	2255.0	2234.4	2214.3
8°	2198.8	2190.6	2162.8	2148.8	2128.7
9°	2110.2	2090.1	2060.2	2037.5	2026.7
10°	1998.3	1968.4	1936.9	1918.9	1905.5
11°	1865.8	1835.4	1810.1	1783.8	1763.2
12°	1710.1	1684.3	1655.5	1637.9	1613.7
13°	1525.5	1521.9	1489.4	1483.8	1480.7
14°	1367.3	1352.8	1320.9	1329.6	1331.7
15°	1181.1	1177.0	1148.1	1175.0	1169.3
17.5°	739.8	741.4	759.4	801.7	815.1
20°	389.8	401.6	450.1	501.1	519.2
22.5°	157.8	184.1	233.5	268.1	291.3
25°	69.1	77.3	108.3	127.3	127.9
27.5°	39.2	39.7	52.1	54.1	55.2
30°	22.7	23.2	25.3	26.8	28.4
32.5°	12.4	13.4	13.9	16.0	16.0
35°	6.2	7.7	7.7	9.3	8.2
37.5°	3.6	4.1	4.6	4.6	4.1
40°	1.5	2.1	2.6	2.6	2.1
42.5°	0.5	1.0	1.0	1.0	1.5
45°	0.5	0.5	0.5	0.5	0.5
47.5°	0.5	0.5	0.0	0.5	0.5
50°	0.5	0.0	0.0	0.0	0.5
52.5°	0.5	0.0	0.0	0.0	0.5
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)