

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: P1310038

Luminaire Tested: LDSQA3D05R309035DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310038
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R309035DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

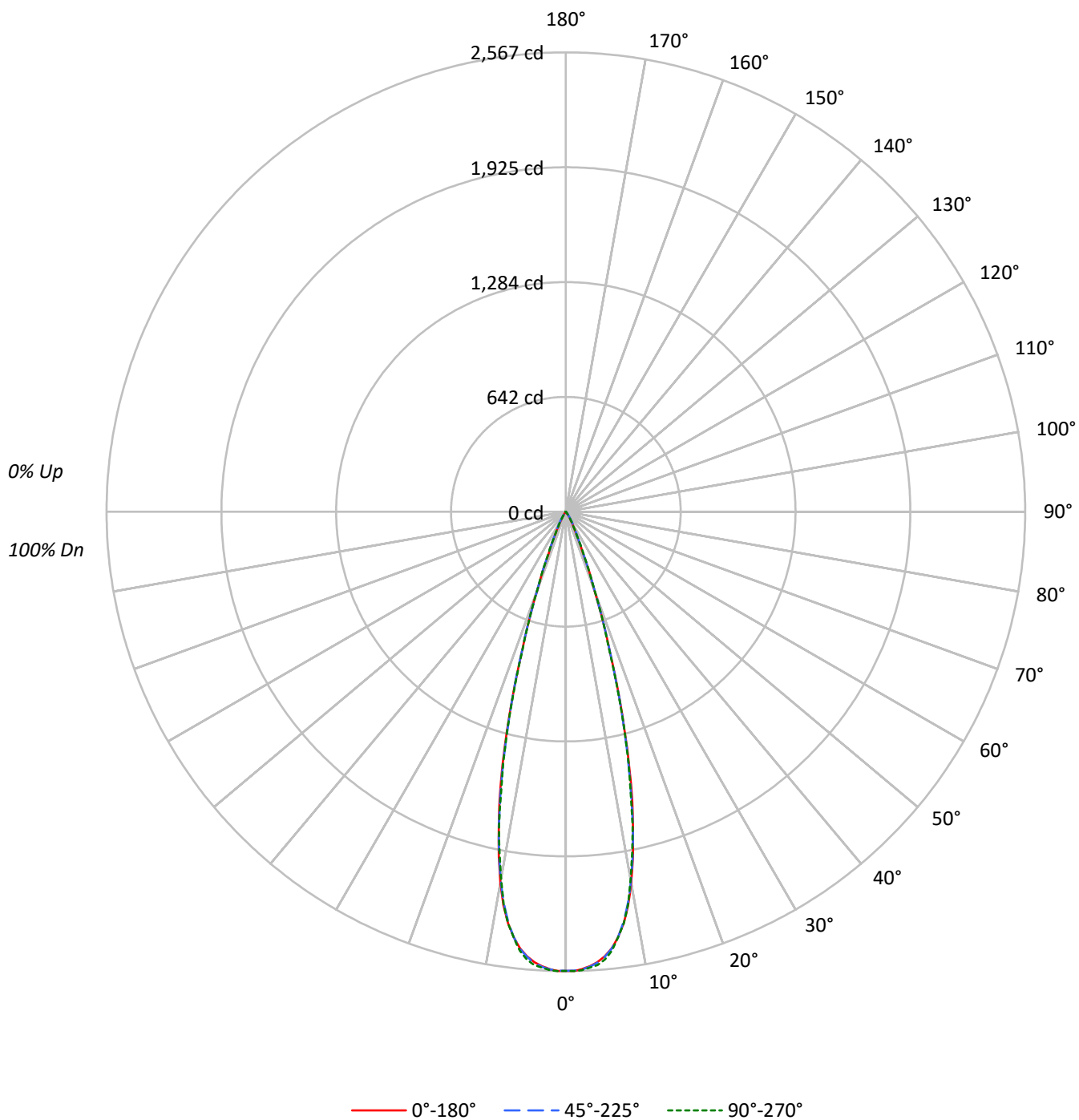
Lumens per Lamp: N/A
Luminaire Lumens: 662.0 lumens
Efficiency: N/A
Efficacy: 91.9 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
Input Voltage (V): NR
Input Current (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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	99	99
1	115	113	111	110	113	111	109	108	107	106	105	103	102	101	100	99	99	97	96	95
2	112	108	105	103	109	106	104	102	103	101	99	100	99	97	98	96	95	94	93	92
3	108	104	100	97	106	102	99	97	100	97	95	98	95	94	95	94	92	91	90	89
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	88	87	86
5	102	96	92	89	101	95	92	89	94	91	88	92	90	87	91	89	87	86	85	84
6	99	93	89	86	98	92	89	86	91	88	85	90	87	85	89	86	84	83	82	81
7	96	90	86	83	95	90	86	83	89	85	83	87	85	82	87	84	82	81	80	79
8	94	88	84	81	93	87	83	81	86	83	80	85	82	80	84	82	80	79	78	77
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	76	75
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	80	78	76	75	74	73

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	441854	441854	441854
5°	431078	431613	434017
10°	368174	366460	364291
15°	227205	224548	225369
20°	85865	86341	86249
25°	26414	28960	27592
30°	10639	13523	11057
35°	3133	5740	3238
40°	1281	2316	1281
45°	244	755	244
50°	0	134	0
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: 45°

Vertical Angle: 45°

Luminance: 755 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.3	34.2
10°-20°	335.0	50.6
20°-30°	83.1	12.6
30°-40°	15.6	2.4
40°-50°	2.0	0.3
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°	644.4	97.3
0°-40°	660.0	99.7
0°-60°	662.0	100.0
0°-90°	662.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	662.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2566	2566	2566	2566	2566	
5°	2494	2492	2497	2501	2510	226
15°	1274	1262	1259	1269	1264	337
25°	139	148	152	152	145	80
35°	15	20	27	20	15	13
45°	1	2	3	2	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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2565.6	2565.6	2565.6	2565.6	2565.6
1°	2566.6	2564.5	2564.5	2561.4	2567.1
2°	2557.3	2555.3	2558.9	2556.3	2563.5
3°	2543.4	2540.8	2546.0	2547.5	2551.1
4°	2522.8	2520.8	2526.4	2529.5	2539.3
5°	2493.5	2492.5	2496.6	2500.7	2510.5
6°	2453.3	2451.8	2454.4	2459.5	2465.7
7°	2395.1	2392.1	2394.1	2395.1	2396.7
8°	2321.5	2316.9	2314.3	2320.0	2323.1
9°	2226.8	2221.6	2216.0	2213.9	2221.1
10°	2105.3	2097.6	2095.5	2090.3	2083.1
11°	1964.2	1958.0	1956.5	1947.2	1943.1
12°	1802.5	1799.4	1803.0	1797.4	1795.3
13°	1647.6	1628.0	1625.4	1614.6	1608.9
14°	1464.3	1446.2	1445.7	1440.1	1447.8
15°	1274.3	1261.9	1259.4	1269.1	1264.0
17.5°	812.5	820.7	818.6	813.5	804.7
20°	468.5	462.9	471.1	473.2	470.6
22.5°	249.7	251.8	253.3	259.5	263.6
25°	139.0	148.3	152.4	151.9	145.2
27.5°	86.5	92.2	99.9	94.7	89.1
30°	53.5	58.2	68.0	58.7	55.6
32.5°	28.8	36.6	43.8	36.6	29.9
35°	14.9	19.6	27.3	20.1	15.4
37.5°	9.8	11.3	17.5	11.3	9.8
40°	5.7	7.2	10.3	7.2	5.7
42.5°	2.6	4.1	5.7	4.1	2.6
45°	1.0	1.5	3.1	2.1	1.0
47.5°	0.0	0.5	1.5	0.5	0.0
50°	0.0	0.0	0.5	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
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)