

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: P1324616

Luminaire Tested: LDSQA3D05R25W2N902765DE010 3LSQCDR1MW_3500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324616
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-35)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R25W2N902765DE010 3LSQCDR1MW_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 3500K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

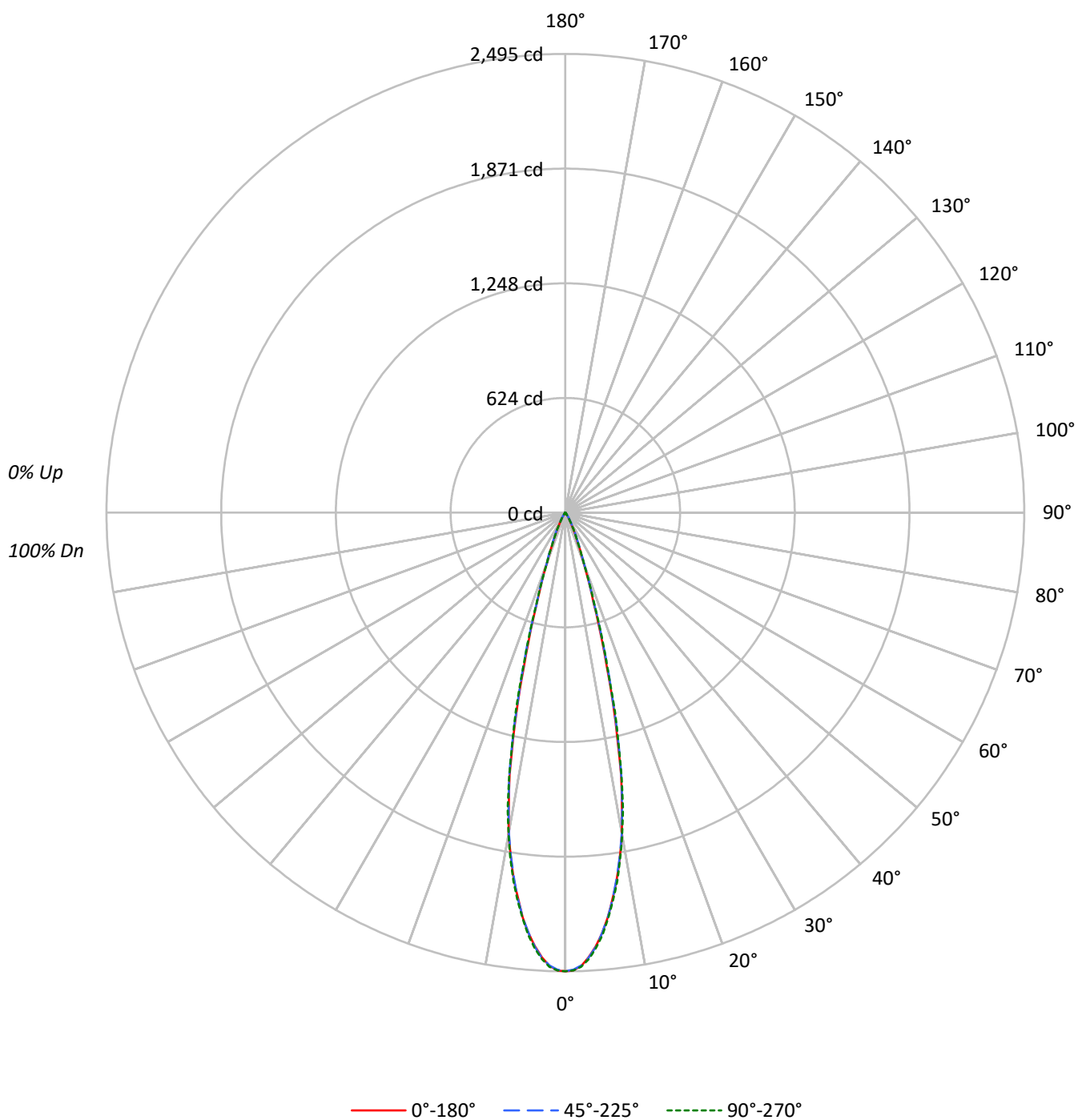
Lumens per Lamp: N/A
Luminaire Lumens: 527.0 lumens
Efficiency: N/A
Efficacy: 89.3 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 5.9
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	102	100	99	99	97	97	97
2	112	108	105	103	110	107	104	102	103	101	100	101	99	97	98	97	95	94	94	94
3	108	104	100	98	107	103	99	97	100	98	95	98	96	94	96	94	93	91	91	91
4	105	100	96	93	104	99	96	93	97	94	92	95	93	91	94	92	90	89	89	89
5	102	97	93	90	101	96	92	90	94	91	89	93	90	88	91	89	87	86	86	86
6	100	94	90	87	98	93	89	87	92	88	86	90	88	86	89	87	85	84	84	84
7	97	91	87	84	96	90	87	84	89	86	84	88	85	83	87	85	83	82	82	82
8	95	88	84	82	94	88	84	82	87	84	81	86	83	81	85	83	81	80	80	80
9	92	86	82	80	91	86	82	79	85	82	79	84	81	79	83	81	79	78	78	78
10	90	84	80	78	89	84	80	77	83	80	77	82	79	77	82	79	77	76	76	76

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	429627	429627	429627
5°	396830	396692	398922
10°	309991	309152	311250
15°	155939	162465	162322
20°	53351	54836	53956
25°	21435	24114	22366
30°	8710	10381	8472
35°	2523	4562	2523
40°	1169	1978	1169
45°	390	779	390
50°	214	322	214
55°	240	240	240
60°	276	276	276
65°	163	163	163
70°	201	201	201
75°	266	266	266
80°	0	397	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 779 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.4	38.4
10°-20°	247.7	47.0
20°-30°	60.5	11.5
30°-40°	12.5	2.4
40°-50°	2.2	0.4
50°-60°	0.7	0.1
60°-70°	0.6	0.1
70°-80°	0.4	0.1
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°	510.6	96.9
0°-40°	523.1	99.3
0°-60°	526.0	99.8
0°-90°	527.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	527.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2495	2495	2495	2495	2495	
5°	2295	2297	2295	2299	2308	202
15°	875	890	911	915	910	244
25°	113	118	127	120	118	58
35°	12	17	22	16	12	10
45°	2	2	3	2	2	2
55°	1	1	1	1	1	1
65°	0	1	0	0	0	1
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°	2494.6	2494.6	2494.6	2494.6	2494.6
1°	2489.8	2486.6	2485.8	2486.2	2490.2
2°	2467.3	2465.3	2464.9	2466.1	2471.7
3°	2421.5	2423.9	2424.7	2428.8	2431.6
4°	2365.3	2370.1	2368.1	2372.9	2376.1
5°	2295.4	2297.4	2294.6	2299.4	2307.5
6°	2213.9	2206.7	2213.5	2215.5	2221.1
7°	2112.3	2113.9	2116.3	2118.7	2127.2
8°	2012.3	2007.5	2006.3	2017.5	2024.4
9°	1895.5	1896.3	1891.8	1904.7	1906.7
10°	1772.6	1762.5	1767.8	1777.8	1779.8
11°	1610.3	1607.5	1615.2	1630.8	1643.3
12°	1458.1	1459.7	1467.8	1473.0	1470.2
13°	1256.9	1269.0	1279.0	1284.3	1277.4
14°	1075.0	1075.0	1087.9	1089.9	1114.4
15°	874.6	889.5	911.2	915.2	910.4
17.5°	505.2	507.2	517.6	517.2	524.9
20°	291.1	294.0	299.2	298.0	294.4
22.5°	175.1	181.1	193.6	183.5	180.7
25°	112.8	118.1	126.9	119.7	117.7
27.5°	70.7	74.3	81.1	74.7	71.5
30°	43.8	45.8	52.2	46.2	42.6
32.5°	23.7	28.9	34.1	28.9	23.7
35°	12.0	16.9	21.7	16.5	12.0
37.5°	8.0	9.6	14.1	9.2	8.0
40°	5.2	6.4	8.8	6.4	5.2
42.5°	2.8	4.0	4.8	4.4	2.8
45°	1.6	2.4	3.2	2.4	1.6
47.5°	1.2	1.2	2.0	1.2	0.8
50°	0.8	0.8	1.2	0.8	0.8
52.5°	0.8	0.8	0.8	0.8	0.8
55°	0.8	0.8	0.8	0.8	0.8
57.5°	0.8	0.8	0.8	0.8	0.8
60°	0.8	0.8	0.8	0.8	0.8
62.5°	0.8	0.8	0.8	0.8	0.8
65°	0.4	0.8	0.4	0.4	0.4
67.5°	0.4	0.4	0.4	0.4	0.4
70°	0.4	0.4	0.4	0.4	0.4
72.5°	0.4	0.4	0.4	0.4	0.4
75°	0.4	0.4	0.4	0.4	0.4
77.5°	0.4	0.4	0.4	0.4	0.4
80°	0.0	0.0	0.4	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)