

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: P1324612

Luminaire Tested: LDSQA3D05R25W2N902765DE010 3LSQCDR1MMS_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324612
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-23)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R25W2N902765DE010 3LSQCDR1MMS_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 5000K CCT AND, 90CRI ,
3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

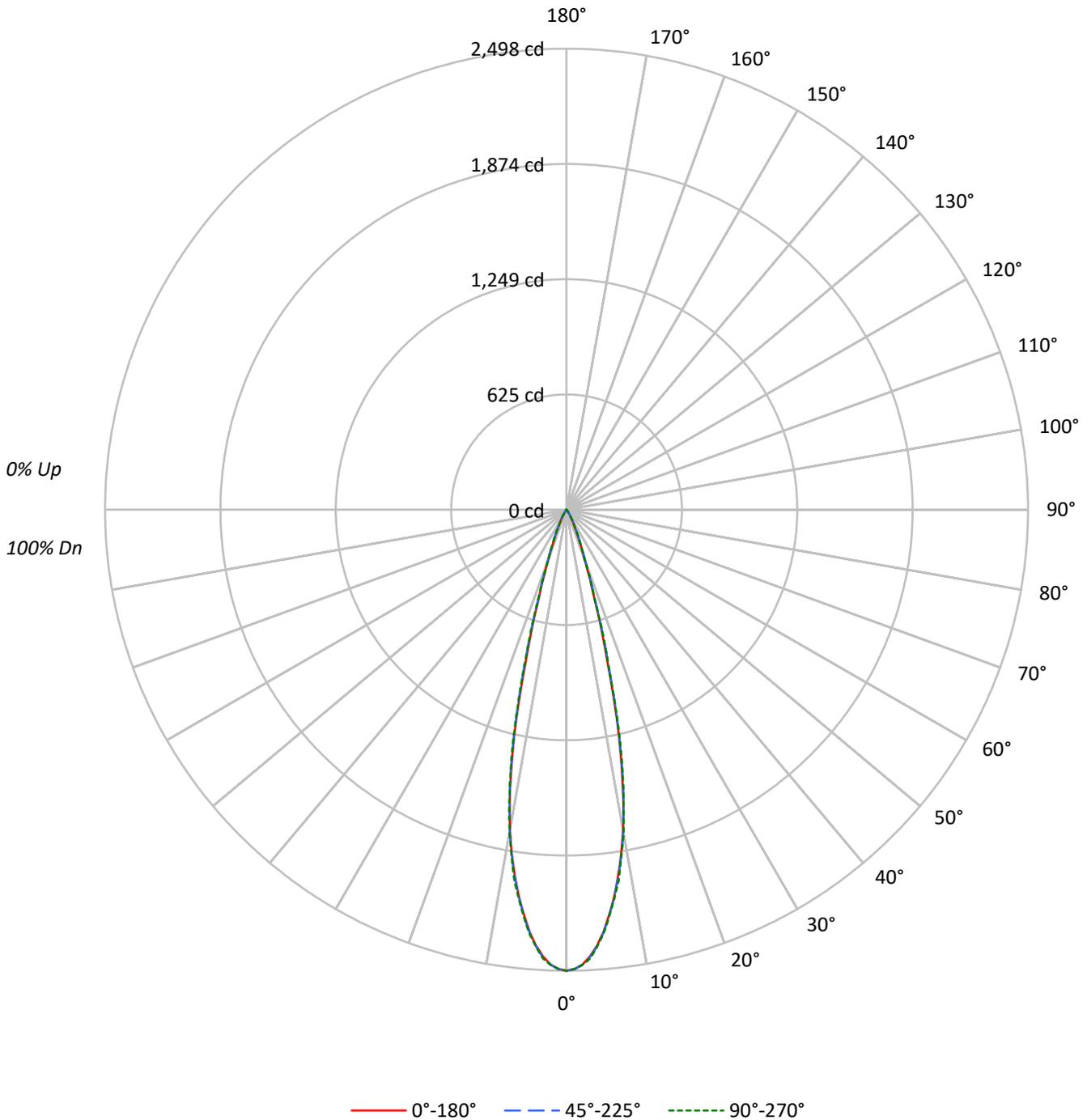
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 520.0 lumens
Efficiency: N/A
Efficacy: 88.1 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 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		0	
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	110	108	107	106	105	103	103	102	100	99	99	97	97	97
2	112	108	105	103	110	107	104	102	104	102	100	101	99	98	98	97	96	94	94	94
3	108	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92	92	92
4	105	100	97	94	104	99	96	93	97	95	92	96	93	91	94	92	90	89	89	89
5	103	97	93	90	101	96	93	90	95	92	89	93	91	89	92	90	88	87	87	87
6	100	94	90	87	99	93	90	87	92	89	87	91	88	86	90	87	85	84	84	84
7	97	91	87	85	96	91	87	84	90	86	84	89	86	84	88	85	83	82	82	82
8	95	89	85	82	94	88	85	82	87	84	82	87	84	82	86	83	81	80	80	80
9	93	86	83	80	92	86	82	80	85	82	80	85	82	80	84	81	79	78	78	78
10	91	84	81	78	90	84	80	78	83	80	78	83	80	78	82	79	77	77	77	77

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	430247	430247	430247
5°	396709	397608	398438
10°	308015	309134	310813
15°	152213	158614	158685
20°	51262	54689	52270
25°	21226	23582	21834
30°	8332	10480	8412
35°	2187	4268	2271
40°	809	1709	809
45°	97	487	97
50°	0	107	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: 487 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.4	38.9
10°-20°	244.8	47.1
20°-30°	59.8	11.5
30°-40°	11.6	2.2
40°-50°	1.3	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°	507.1	97.5
0°-40°	518.7	99.7
0°-60°	520.0	100.0
0°-90°	520.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	520.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2498	2498	2498	2498	2498	
5°	2295	2298	2300	2310	2305	202
15°	854	874	890	898	890	240
25°	112	118	124	119	115	57
35°	10	15	20	15	11	9
45°	0	1	2	1	0	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°	2498.2	2498.2	2498.2	2498.2	2498.2
1°	2488.6	2490.2	2490.6	2493.0	2488.2
2°	2465.9	2466.2	2467.4	2472.2	2467.8
3°	2424.0	2426.8	2427.2	2433.5	2434.7
4°	2366.9	2368.5	2371.7	2382.5	2372.9
5°	2294.7	2297.9	2299.9	2309.9	2304.7
6°	2205.3	2206.1	2210.5	2222.1	2214.9
7°	2114.4	2114.0	2114.4	2123.6	2121.6
8°	2004.7	2002.7	2009.1	2020.2	2027.8
9°	1890.2	1893.0	1897.0	1907.7	1899.0
10°	1761.3	1768.9	1767.7	1768.5	1777.3
11°	1612.9	1615.3	1615.7	1624.1	1622.9
12°	1438.6	1438.6	1451.7	1465.3	1460.9
13°	1262.6	1275.0	1266.2	1269.0	1286.6
14°	1057.6	1067.2	1079.1	1090.3	1081.5
15°	853.7	874.1	889.6	898.4	890.0
17.5°	489.1	495.9	509.0	510.6	505.5
20°	279.7	288.0	298.4	295.2	285.2
22.5°	175.9	178.3	188.7	183.5	181.1
25°	111.7	117.7	124.1	118.9	114.9
27.5°	69.4	73.4	80.2	74.6	70.2
30°	41.9	45.5	52.7	45.1	42.3
32.5°	21.9	27.1	33.1	27.5	21.9
35°	10.4	14.8	20.3	14.8	10.8
37.5°	6.4	8.0	12.4	8.0	6.4
40°	3.6	5.2	7.6	5.2	3.6
42.5°	1.6	2.8	3.6	2.8	2.0
45°	0.4	1.2	2.0	1.2	0.4
47.5°	0.0	0.0	1.2	0.4	0.0
50°	0.0	0.0	0.4	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)