

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: P1324925

Luminaire Tested: LDSQA3D05R35W2N902750DE010 3LSQPHRL1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324925
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R35W2N902750DE010 3LSQPHRL1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 2700K CCT AND, 90CRI ,
3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

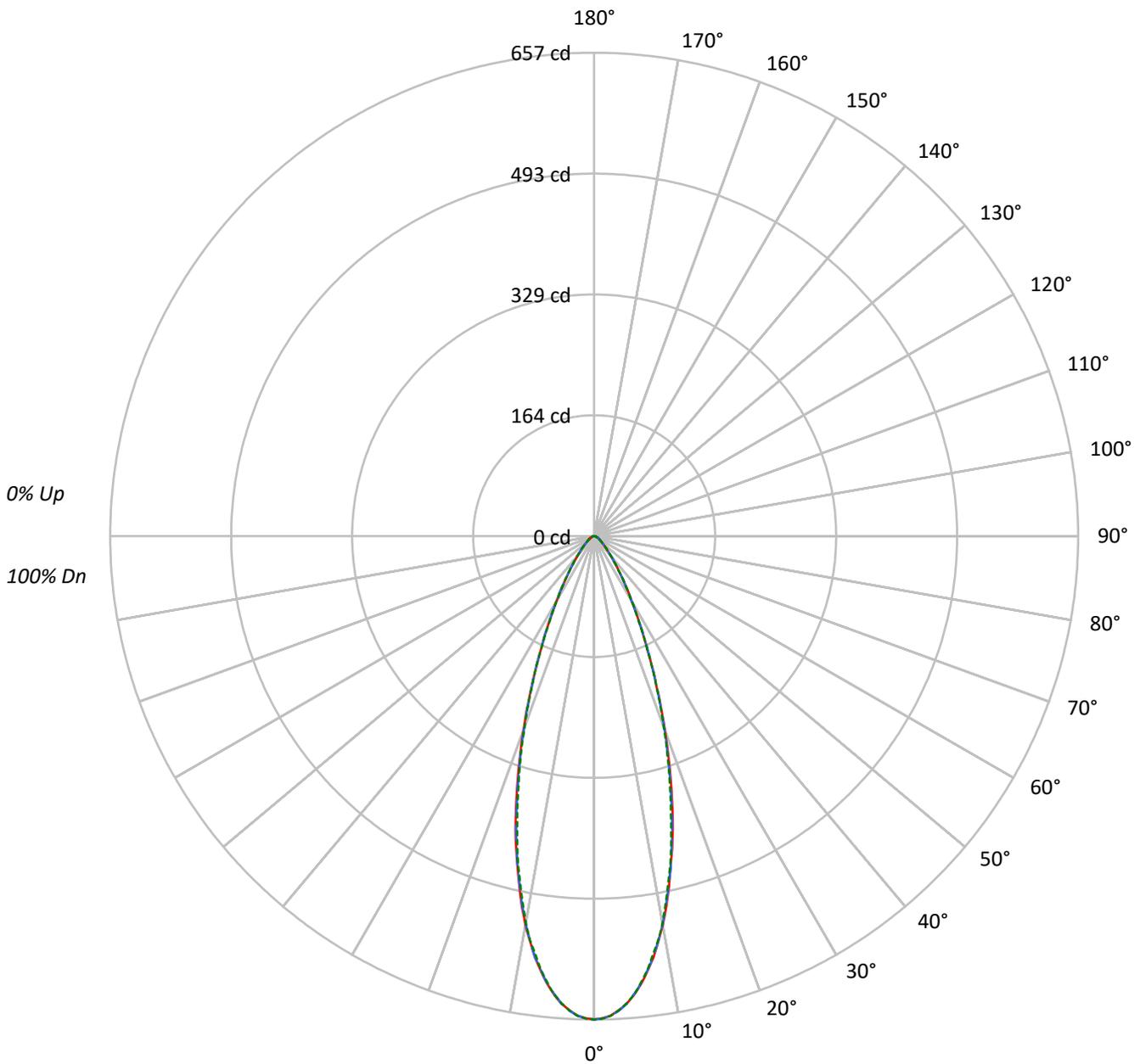
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 324.0 lumens
Efficiency: N/A
Efficacy: 54.9 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
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



— 0°-180° - - 45°-225° ··· 90°-270°



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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	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	95	96	95	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	93	91	89	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	86	83	88	86	83	82
4	98	91	86	82	96	90	85	81	88	84	80	86	82	79	84	81	78	84	81	78	77
5	94	86	80	76	92	85	80	76	83	79	75	82	78	75	80	77	74	80	77	74	73
6	90	81	76	72	88	81	75	71	79	74	71	78	74	70	76	73	70	76	73	70	69
7	86	77	72	68	85	77	71	67	75	71	67	74	70	67	73	69	66	73	69	66	65
8	82	73	68	64	81	73	68	64	72	67	64	71	67	63	70	66	63	70	66	63	62
9	79	70	65	61	78	70	64	61	69	64	61	68	63	60	67	63	60	67	63	60	59
10	76	67	62	58	75	67	61	58	66	61	58	65	61	58	64	60	57	64	60	57	56

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	113150	113150	113150
5°	108119	107929	108119
10°	93858	93543	93421
15°	73548	72977	71818
20°	51445	50987	50657
25°	32685	32875	32685
30°	20125	20284	20125
35°	12447	12531	12531
40°	7914	7981	7981
45°	5334	5431	5504
50°	3858	3939	3939
55°	3033	3033	3033
60°	2480	2480	2480
65°	2201	2201	2201
70°	1964	1964	1964
75°	1664	1664	1664
80°	1389	1389	1389
85°	790	790	1383

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°
 Vertical Angle: 45°
 Luminance: 5504 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.8	17.5
10°-20°	111.8	34.5
20°-30°	80.6	24.9
30°-40°	38.9	12.0
40°-50°	17.9	5.5
50°-60°	9.3	2.9
60°-70°	5.4	1.7
70°-80°	2.7	0.8
80°-90°	0.6	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°	249.2	76.9
0°-40°	288.1	88.9
0°-60°	315.3	97.3
0°-90°	324.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	324.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	657	657	657	657	657	
5°	625	627	624	625	625	57
15°	412	412	409	408	403	112
25°	172	172	173	173	172	81
35°	59	59	60	60	60	39
45°	22	22	22	23	23	18
55°	10	10	10	10	10	9
65°	5	5	5	5	5	5
75°	2	2	2	2	2	3
85°	0	0	0	0	1	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	657.0	657.0	657.0	657.0	657.0
1°	655.2	656.3	655.9	656.3	655.9
2°	651.9	652.7	651.9	652.3	652.3
3°	645.1	645.8	645.8	645.5	645.1
4°	636.9	638.7	636.9	637.2	636.2
5°	625.4	626.8	624.3	624.7	625.4
6°	611.4	611.7	611.0	610.7	609.9
7°	595.2	596.7	594.1	594.5	593.8
8°	578.0	577.6	577.6	576.2	574.0
9°	557.2	558.6	556.5	555.7	556.1
10°	536.7	536.7	534.9	533.1	534.2
11°	513.4	512.7	511.6	509.1	508.3
12°	487.9	489.3	486.1	485.0	482.5
13°	461.7	463.8	462.4	458.4	458.8
14°	437.3	435.8	434.8	434.0	431.5
15°	412.5	411.8	409.3	407.5	402.8
17.5°	344.6	345.4	340.7	340.0	338.2
20°	280.7	278.6	278.2	278.6	276.4
22.5°	221.5	223.7	221.1	221.5	220.1
25°	172.0	172.3	173.0	173.0	172.0
27.5°	133.5	133.5	132.8	133.5	132.5
30°	101.2	101.2	102.0	102.7	101.2
32.5°	78.3	78.3	78.3	78.6	79.0
35°	59.2	59.2	59.6	59.6	59.6
37.5°	45.6	46.0	46.3	46.3	46.3
40°	35.2	35.5	35.5	35.9	35.5
42.5°	28.0	28.0	28.0	28.4	28.4
45°	21.9	22.3	22.3	22.6	22.6
47.5°	18.0	18.0	18.0	18.3	18.3
50°	14.4	14.7	14.7	14.7	14.7
52.5°	11.8	11.8	12.2	12.2	12.2
55°	10.1	10.1	10.1	10.1	10.1
57.5°	8.3	8.6	8.6	8.6	8.6
60°	7.2	7.2	7.2	7.2	7.2
62.5°	6.1	6.1	6.1	6.1	6.1
65°	5.4	5.4	5.4	5.4	5.4
67.5°	4.3	4.7	4.7	4.7	4.7
70°	3.9	3.9	3.9	3.9	3.9
72.5°	2.9	3.2	3.2	3.2	3.2
75°	2.5	2.5	2.5	2.5	2.5
77.5°	2.2	1.8	1.8	1.8	2.2
80°	1.4	1.4	1.4	1.4	1.4
82.5°	1.1	1.1	1.1	1.1	1.1
85°	0.4	0.4	0.4	0.4	0.7
87.5°	0.0	0.0	0.0	0.4	0.4



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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)