

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: P1324838

Luminaire Tested: LDSQA3D05R30W2N902765DE010 3LSQPHRL1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324838
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R30W2N902765DE010 3LSQPHRL1MW_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 3000K CCT AND, 90CRI ,
3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

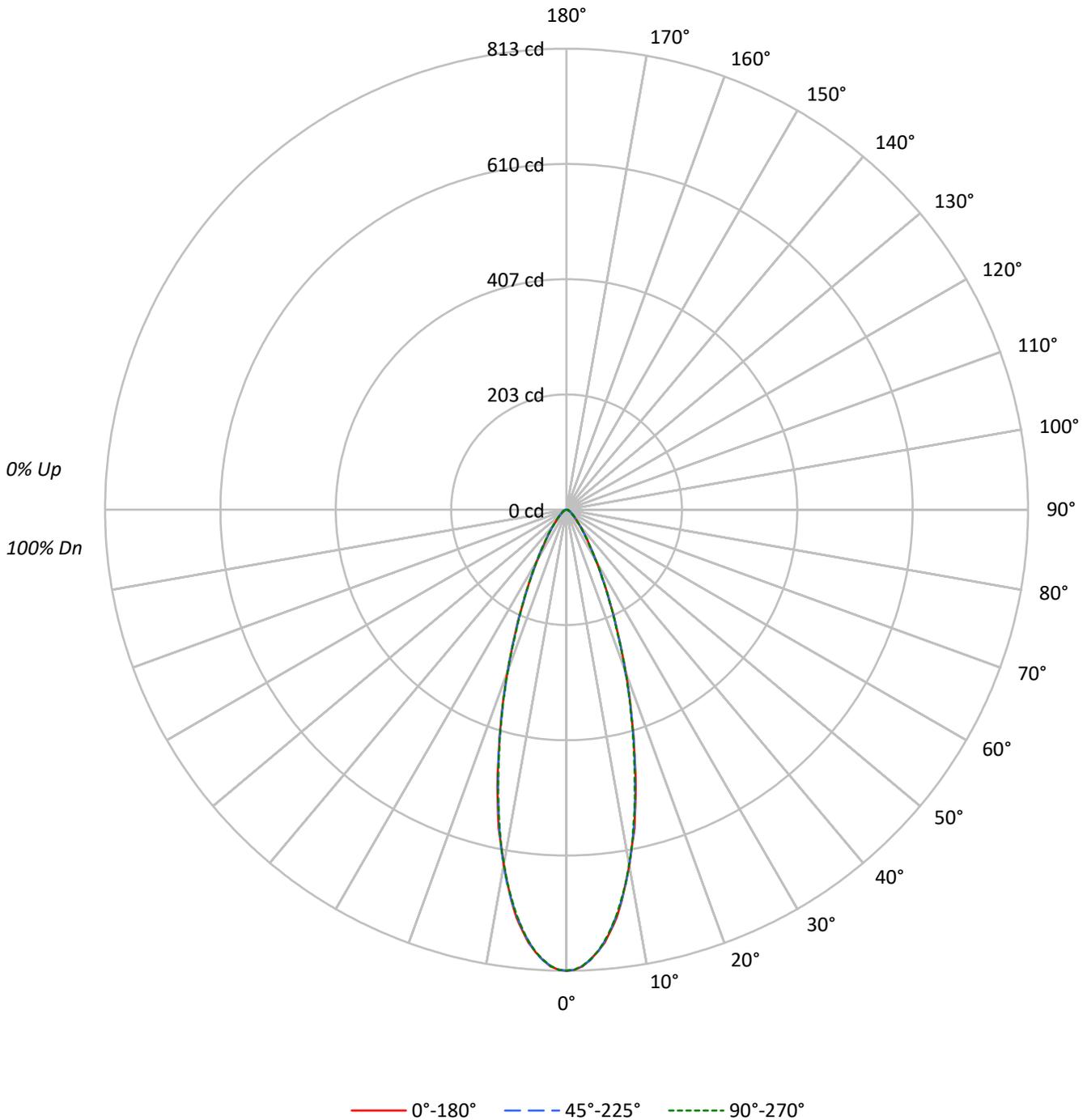
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 357.0 lumens
Efficiency: N/A
Efficacy: 60.5 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
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	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	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	96	96	96	94
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	90	90	90	90	88
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	84	84	84	83
4	99	92	87	83	97	91	86	82	89	84	81	87	83	80	85	82	79	79	79	79	78
5	95	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	75	75	75	74
6	90	82	77	73	89	82	76	73	80	76	72	79	75	72	77	74	71	71	71	71	70
7	87	78	73	69	86	78	72	69	76	72	68	75	71	68	74	71	68	68	68	68	66
8	83	75	69	66	82	74	69	65	73	68	65	72	68	65	71	67	65	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	65	62	62	62	62	61
10	77	68	63	60	76	68	63	60	67	63	59	66	62	59	66	62	59	59	59	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	140000	140000	140000
5°	132547	132202	132133
10°	111346	111346	110944
15°	82962	82748	82249
20°	55532	55239	55313
25°	34224	34148	34300
30°	20583	20583	20662
35°	12615	12615	12699
40°	7981	7981	8161
45°	5480	5578	5578
50°	4019	4019	4019
55°	3093	3213	3213
60°	2583	2583	2721
65°	2241	2241	2241
70°	1964	2165	2165
75°	1863	1863	1863
80°	1587	1587	1587
85°	790	790	790

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 5578 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.9	19.3
10°-20°	127.2	35.6
20°-30°	84.6	23.7
30°-40°	39.1	10.9
40°-50°	18.1	5.1
50°-60°	9.7	2.7
60°-70°	5.6	1.6
70°-80°	3.0	0.8
80°-90°	0.7	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°	280.7	78.6
0°-40°	319.8	89.6
0°-60°	347.7	97.4
0°-90°	357.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	357.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	813	813	813	813	813	
5°	767	765	765	767	764	69
15°	465	467	464	464	461	128
25°	180	180	180	180	180	85
35°	60	60	60	60	60	39
45°	22	22	23	23	23	18
55°	10	11	11	11	11	10
65°	6	6	6	6	6	5
75°	3	3	3	3	3	3
85°	0	0	0	0	0	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	812.9	812.9	812.9	812.9	812.9
1°	811.3	810.5	811.3	812.5	810.9
2°	805.8	805.0	805.0	806.6	805.0
3°	795.1	795.9	795.5	797.1	794.3
4°	781.7	781.3	782.9	783.7	781.3
5°	766.7	765.1	764.7	766.7	764.3
6°	746.1	745.0	744.2	746.5	743.4
7°	724.0	723.2	722.0	722.8	720.5
8°	696.8	696.4	695.6	696.4	693.6
9°	666.3	666.3	667.9	667.5	666.0
10°	636.7	637.5	636.7	637.5	634.4
11°	603.5	603.5	604.3	603.9	604.3
12°	574.7	571.6	570.8	570.0	567.6
13°	537.6	535.2	534.4	535.2	534.0
14°	503.6	502.0	498.1	498.9	497.3
15°	465.3	466.9	464.1	464.1	461.3
17.5°	380.4	378.8	379.6	380.0	378.8
20°	303.0	302.2	301.4	300.6	301.8
22.5°	235.4	235.8	235.0	234.2	233.4
25°	180.1	179.7	179.7	179.7	180.5
27.5°	136.7	136.7	136.7	137.1	137.1
30°	103.5	102.7	103.5	103.9	103.9
32.5°	77.4	78.2	78.6	78.6	78.6
35°	60.0	59.6	60.0	60.4	60.4
37.5°	45.8	45.8	46.2	46.2	46.6
40°	35.5	35.5	35.5	35.9	36.3
42.5°	28.0	28.0	28.4	28.4	28.8
45°	22.5	22.5	22.9	22.9	22.9
47.5°	18.2	18.2	18.6	18.6	18.6
50°	15.0	15.0	15.0	15.0	15.0
52.5°	12.6	12.2	12.6	12.6	12.6
55°	10.3	10.7	10.7	10.7	10.7
57.5°	8.7	9.1	9.1	9.1	9.1
60°	7.5	7.5	7.5	7.9	7.9
62.5°	6.3	6.7	6.7	6.7	6.7
65°	5.5	5.5	5.5	5.5	5.5
67.5°	4.7	4.7	4.7	4.7	5.1
70°	3.9	3.9	4.3	4.3	4.3
72.5°	3.6	3.6	3.6	3.6	3.6
75°	2.8	2.8	2.8	2.8	2.8
77.5°	2.0	2.0	2.4	2.4	2.0
80°	1.6	1.6	1.6	1.6	1.6
82.5°	1.2	1.2	1.2	1.2	1.2
85°	0.4	0.4	0.4	0.4	0.4
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)