

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: P1324655

Luminaire Tested: LDSQA3D05R25W2N902765DE010 3LSQPHRL1MW_6500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324655
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R25W2N902765DE010 3LSQPHRL1MW_6500K
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 6500K CCT AND, 90CRI ,
3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

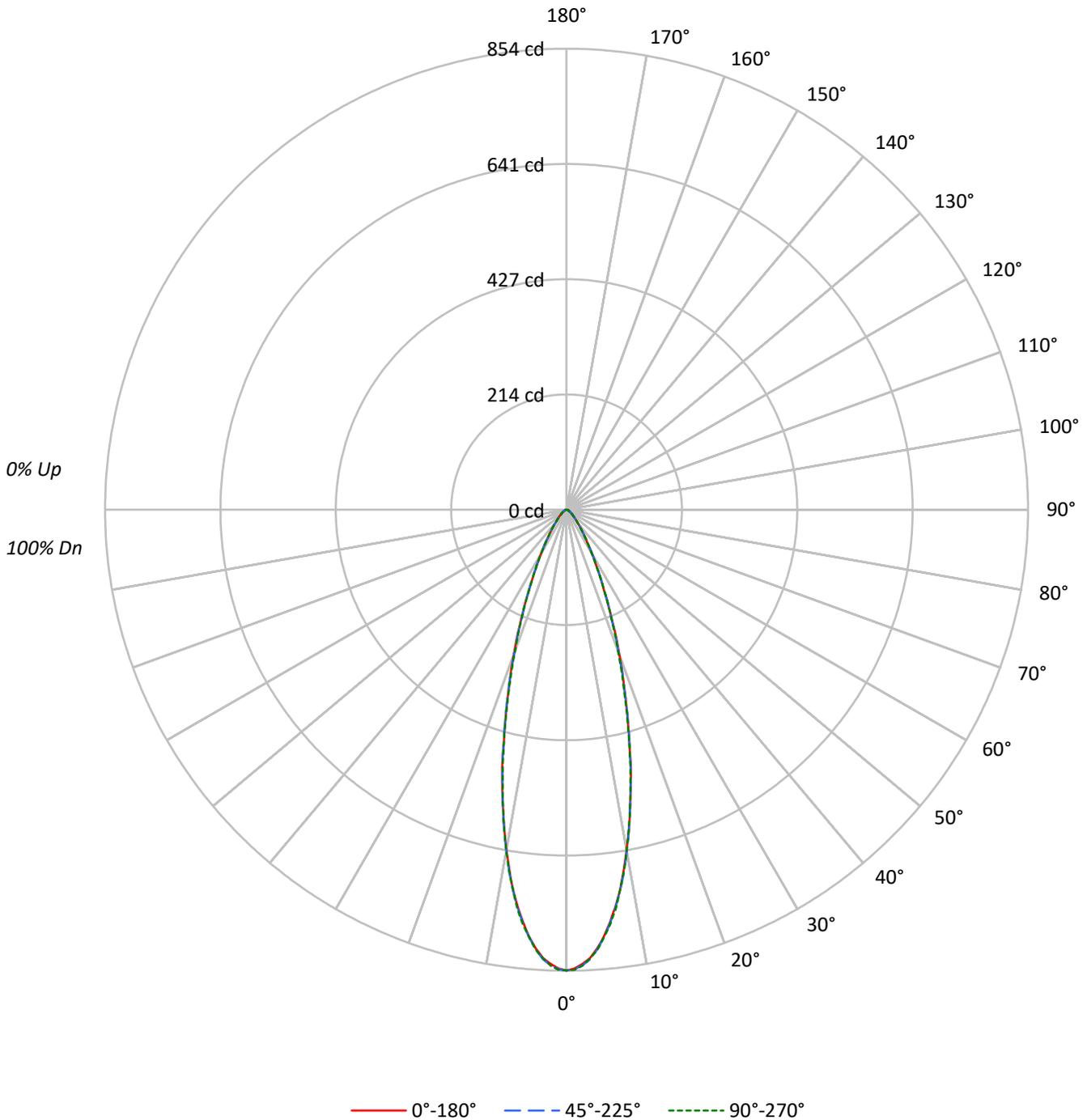
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 342.0 lumens
Efficiency: N/A
Efficacy: 58.0 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
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	107	111	109	107	105	105	103	102	101	100	99	98	97	96	96	96	96	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	92	90	93	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	85	82	80	79
5	95	87	82	78	93	86	81	78	85	80	77	83	79	76	82	78	76	82	78	76	74
6	91	83	78	74	90	82	77	73	81	76	73	79	75	72	78	75	72	78	75	72	71
7	87	79	74	70	86	78	73	70	77	73	69	76	72	69	75	71	69	75	71	69	67
8	84	76	70	67	83	75	70	66	74	69	66	73	69	66	72	68	66	72	68	66	64
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	69	66	63	62
10	78	69	64	61	77	69	64	61	68	64	61	67	63	60	67	63	60	67	63	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	146992	146992	146992
5°	137215	137354	137423
10°	111923	112273	112273
15°	79931	80359	79931
20°	52307	51794	51079
25°	31107	31259	31107
30°	18733	18733	18654
35°	11416	11500	11416
40°	7262	7352	7352
45°	5066	5066	5066
50°	3644	3751	3751
55°	2883	2883	3003
60°	2342	2480	2480
65°	2119	2119	2119
70°	1813	1813	2014
75°	1597	1597	1863
80°	1587	1587	1587
85°	790	790	790

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 5066 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.9	20.7
10°-20°	123.6	36.1
20°-30°	77.7	22.7
30°-40°	35.6	10.4
40°-50°	16.6	4.9
50°-60°	8.9	2.6
60°-70°	5.3	1.5
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°	272.3	79.6
0°-40°	307.9	90.0
0°-60°	333.4	97.5
0°-90°	342.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	342.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	854	854	854	854	854	
5°	794	795	794	795	795	71
15°	448	451	451	452	448	124
25°	164	166	164	164	164	78
35°	54	54	55	55	54	35
45°	21	21	21	21	21	16
55°	10	10	10	10	10	9
65°	5	5	5	5	5	5
75°	2	2	2	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°	853.5	853.5	853.5	853.5	853.5
1°	849.9	850.7	851.5	852.7	852.3
2°	842.0	843.6	844.0	845.6	845.2
3°	831.2	830.8	834.0	834.0	832.0
4°	814.4	815.2	816.0	816.8	817.2
5°	793.7	795.3	794.5	795.3	794.9
6°	768.1	770.5	770.1	770.9	772.1
7°	741.0	742.6	742.6	741.8	745.0
8°	711.4	710.2	712.2	711.4	711.0
9°	676.3	678.7	679.1	677.1	677.9
10°	640.0	641.6	642.0	643.1	642.0
11°	604.0	604.0	604.8	606.8	603.6
12°	564.9	568.5	564.9	566.5	564.9
13°	527.8	528.6	527.8	527.4	524.6
14°	492.6	489.8	490.6	487.5	487.9
15°	448.3	451.1	450.7	451.5	448.3
17.5°	360.5	362.1	361.7	360.9	356.9
20°	285.4	285.4	282.6	281.1	278.7
22.5°	218.0	217.2	216.0	214.8	215.6
25°	163.7	165.7	164.5	164.5	163.7
27.5°	123.8	126.2	124.2	123.0	123.8
30°	94.2	95.0	94.2	93.8	93.8
32.5°	71.1	71.5	71.1	71.1	71.1
35°	54.3	54.3	54.7	54.7	54.3
37.5°	41.9	41.9	41.9	41.9	42.3
40°	32.3	32.7	32.7	32.7	32.7
42.5°	25.6	25.9	25.9	25.9	25.9
45°	20.8	20.8	20.8	20.8	20.8
47.5°	16.8	16.8	16.8	16.8	17.2
50°	13.6	14.0	14.0	14.0	14.0
52.5°	11.6	11.6	11.6	11.6	11.6
55°	9.6	9.6	9.6	10.0	10.0
57.5°	8.0	8.0	8.4	8.4	8.4
60°	6.8	7.2	7.2	7.2	7.2
62.5°	6.0	6.0	6.4	6.4	6.4
65°	5.2	5.2	5.2	5.2	5.2
67.5°	4.4	4.4	4.4	4.4	4.8
70°	3.6	3.6	3.6	4.0	4.0
72.5°	3.2	3.2	3.2	3.2	3.2
75°	2.4	2.4	2.4	2.8	2.8
77.5°	2.0	2.0	2.0	2.0	2.0
80°	1.6	1.6	1.6	1.6	1.6
82.5°	0.8	0.8	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)