

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: P1324728

Luminaire Tested: LDSQA3D05R30W2N902750DE010 3LSQPHRL1MB_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324728
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: LDSQA3D05R30W2N902750DE010 3LSQPHRL1MB_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 2700K CCT AND, 90CRI ,
3LSQPHRL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

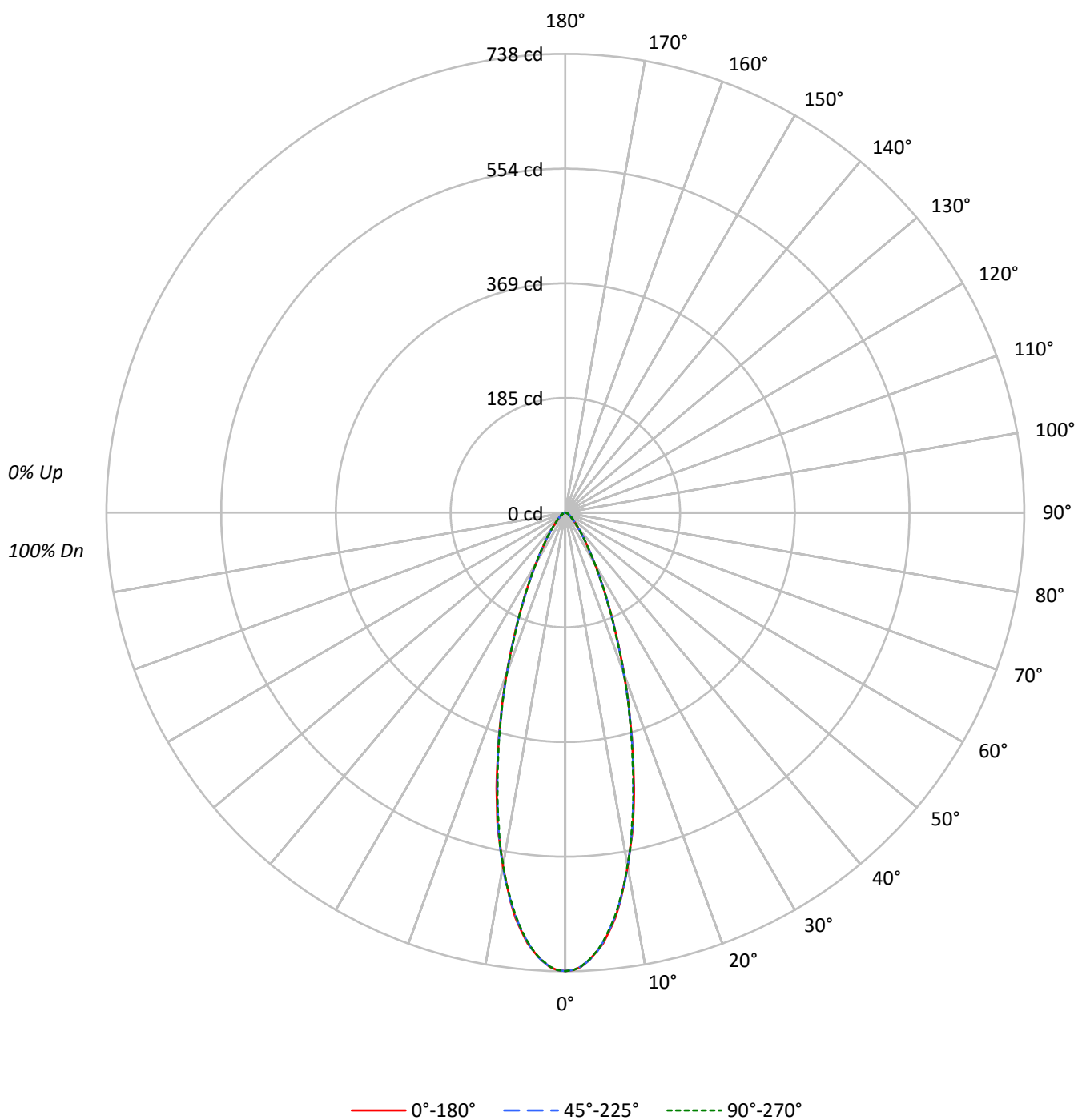
Lumens per Lamp: N/A
Luminaire Lumens: 324.0 lumens
Efficiency: N/A
Efficacy: 54.9 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
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	102	102	100
1	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	96	96	94
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	90	90	90	88
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	84	84	83
4	99	92	87	83	97	91	86	82	89	84	81	87	83	80	85	82	79	79	79	78
5	95	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	75	75	74
6	90	82	77	73	89	82	76	73	80	76	72	79	75	72	77	74	71	71	71	70
7	87	78	73	69	86	78	72	69	76	72	68	75	71	68	74	71	68	68	68	66
8	83	75	69	66	82	74	69	65	73	68	65	72	68	65	71	67	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	65	62	62	62	61
10	77	68	63	60	76	68	63	60	67	63	59	66	62	59	66	62	59	59	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	127049	127049	127049
5°	120290	119979	119927
10°	101063	101063	100678
15°	75295	75099	74653
20°	50401	50126	50199
25°	31069	30993	31126
30°	18673	18673	18753
35°	11458	11458	11521
40°	7262	7262	7419
45°	4969	5066	5066
50°	3644	3644	3644
55°	2792	2913	2913
60°	2342	2342	2480
65°	2038	2038	2038
70°	1813	1964	1964
75°	1664	1664	1664
80°	1389	1389	1389
85°	790	790	790

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 5066 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.5	19.3
10°-20°	115.5	35.6
20°-30°	76.8	23.7
30°-40°	35.5	11.0
40°-50°	16.5	5.1
50°-60°	8.8	2.7
60°-70°	5.1	1.6
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°	254.8	78.6
0°-40°	290.3	89.6
0°-60°	315.5	97.4
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°	738	738	738	738	738	
5°	696	694	694	696	694	63
15°	422	424	421	421	419	116
25°	164	163	163	163	164	77
35°	54	54	54	55	55	35
45°	20	20	21	21	21	16
55°	9	10	10	10	10	9
65°	5	5	5	5	5	5
75°	2	2	2	2	2	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°	737.7	737.7	737.7	737.7	737.7
1°	736.3	735.6	736.3	737.4	736.0
2°	731.3	730.6	730.6	732.0	730.6
3°	721.6	722.3	722.0	723.4	720.9
4°	709.4	709.1	710.5	711.2	709.1
5°	695.8	694.4	694.0	695.8	693.7
6°	677.2	676.1	675.4	677.5	674.7
7°	657.1	656.4	655.3	656.0	653.9
8°	632.4	632.0	631.3	632.0	629.5
9°	604.8	604.8	606.2	605.8	604.4
10°	577.9	578.6	577.9	578.6	575.7
11°	547.8	547.8	548.5	548.1	548.5
12°	521.6	518.7	518.0	517.3	515.1
13°	487.9	485.7	485.0	485.7	484.7
14°	457.1	455.6	452.0	452.8	451.3
15°	422.3	423.7	421.2	421.2	418.7
17.5°	345.2	343.8	344.5	344.9	343.8
20°	275.0	274.2	273.5	272.8	273.9
22.5°	213.7	214.0	213.3	212.6	211.9
25°	163.5	163.1	163.1	163.1	163.8
27.5°	124.0	124.0	124.0	124.4	124.4
30°	93.9	93.2	93.9	94.3	94.3
32.5°	70.3	71.0	71.3	71.3	71.3
35°	54.5	54.1	54.5	54.8	54.8
37.5°	41.6	41.6	41.9	41.9	42.3
40°	32.3	32.3	32.3	32.6	33.0
42.5°	25.5	25.5	25.8	25.8	26.2
45°	20.4	20.4	20.8	20.8	20.8
47.5°	16.5	16.5	16.8	16.8	16.8
50°	13.6	13.6	13.6	13.6	13.6
52.5°	11.5	11.1	11.5	11.5	11.5
55°	9.3	9.7	9.7	9.7	9.7
57.5°	7.9	8.2	8.2	8.2	8.2
60°	6.8	6.8	6.8	7.2	7.2
62.5°	5.7	6.1	6.1	6.1	6.1
65°	5.0	5.0	5.0	5.0	5.0
67.5°	4.3	4.3	4.3	4.3	4.7
70°	3.6	3.6	3.9	3.9	3.9
72.5°	3.2	3.2	3.2	3.2	3.2
75°	2.5	2.5	2.5	2.5	2.5
77.5°	1.8	1.8	2.2	2.2	1.8
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	0.4
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)