

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: P1324732

Luminaire Tested: LDSQA3D05R30W2N902750DE010 3LSQPHRL1MB_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324732
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_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 5000K CCT AND, 90CRI ,
3LSQPHRL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

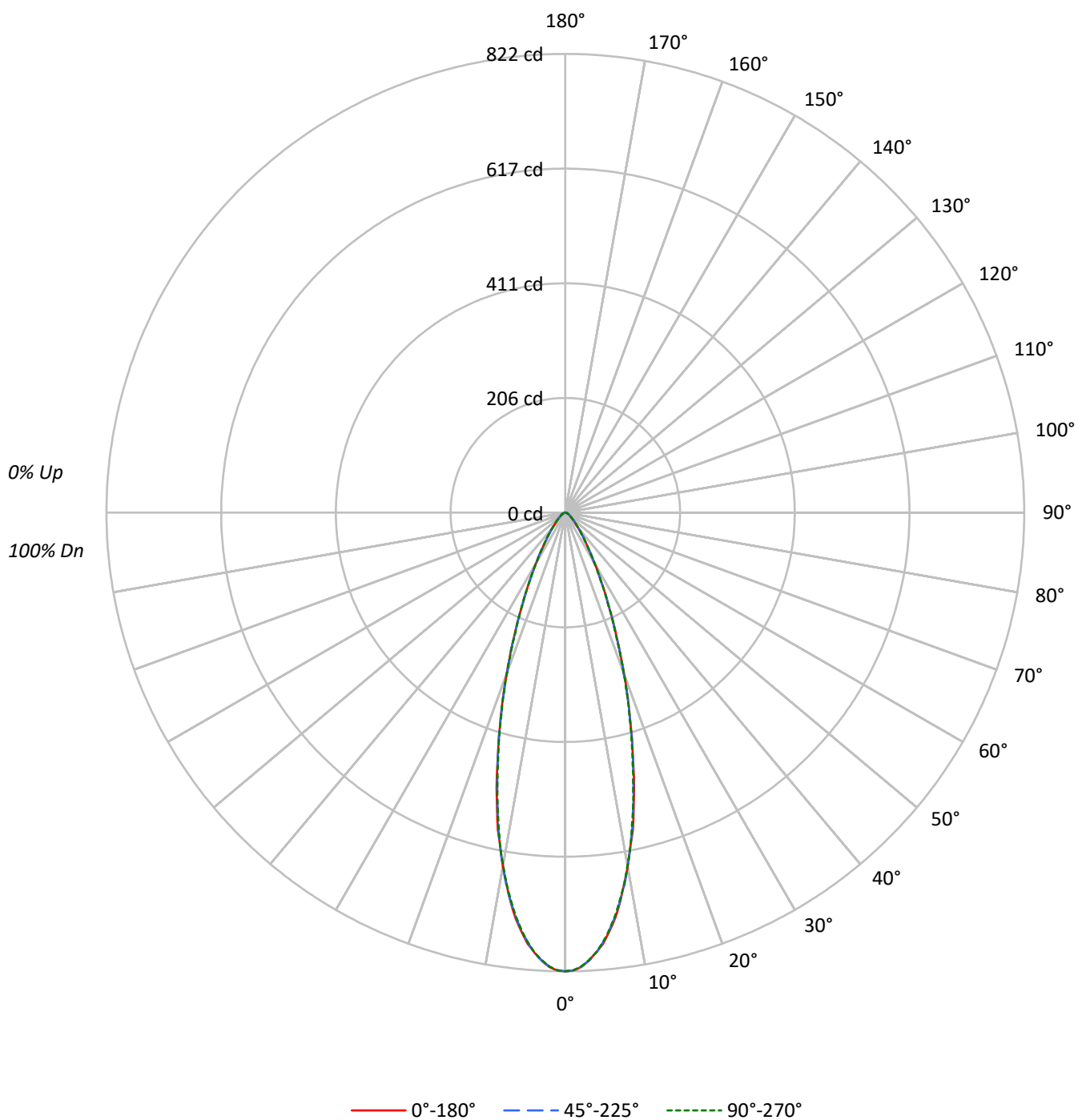
Lumens per Lamp: N/A
Luminaire Lumens: 361.0 lumens
Efficiency: N/A
Efficacy: 61.2 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	141567	141567	141567
5°	134034	133688	133619
10°	112605	112605	112185
15°	83889	83675	83176
20°	56156	55862	55936
25°	34604	34528	34680
30°	20801	20801	20881
35°	12762	12762	12846
40°	8071	8071	8251
45°	5553	5651	5651
50°	4073	4073	4073
55°	3123	3243	3243
60°	2618	2618	2756
65°	2282	2282	2282
70°	2014	2216	2216
75°	1863	1863	1863
80°	1587	1587	1587
85°	790	790	790

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 5651 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.7	19.3
10°-20°	128.7	35.6
20°-30°	85.5	23.7
30°-40°	39.5	10.9
40°-50°	18.4	5.1
50°-60°	9.8	2.7
60°-70°	5.7	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°	283.9	78.6
0°-40°	323.4	89.6
0°-60°	351.6	97.4
0°-90°	361.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	361.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	822	822	822	822	822	
5°	775	774	773	775	773	70
15°	470	472	469	469	466	129
25°	182	182	182	182	182	86
35°	61	60	61	61	61	39
45°	23	23	23	23	23	18
55°	10	11	11	11	11	10
65°	6	6	6	6	6	6
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°	822.0	822.0	822.0	822.0	822.0
1°	820.4	819.6	820.4	821.6	820.0
2°	814.8	814.0	814.0	815.6	814.0
3°	804.0	804.8	804.4	806.0	803.2
4°	790.4	790.0	791.6	792.4	790.0
5°	775.3	773.7	773.3	775.3	772.9
6°	754.5	753.3	752.5	754.9	751.7
7°	732.1	731.3	730.1	730.9	728.5
8°	704.6	704.2	703.4	704.2	701.4
9°	673.8	673.8	675.4	675.0	673.4
10°	643.9	644.7	643.9	644.7	641.5
11°	610.3	610.3	611.1	610.7	611.1
12°	581.2	578.0	577.2	576.4	574.0
13°	543.6	541.2	540.4	541.2	540.0
14°	509.3	507.7	503.7	504.5	502.9
15°	470.5	472.1	469.3	469.3	466.5
17.5°	384.6	383.0	383.8	384.2	383.0
20°	306.4	305.6	304.8	304.0	305.2
22.5°	238.1	238.5	237.7	236.9	236.1
25°	182.1	181.7	181.7	181.7	182.5
27.5°	138.2	138.2	138.2	138.6	138.6
30°	104.6	103.8	104.6	105.0	105.0
32.5°	78.3	79.1	79.5	79.5	79.5
35°	60.7	60.3	60.7	61.1	61.1
37.5°	46.3	46.3	46.7	46.7	47.1
40°	35.9	35.9	35.9	36.3	36.7
42.5°	28.4	28.4	28.8	28.8	29.2
45°	22.8	22.8	23.2	23.2	23.2
47.5°	18.4	18.4	18.8	18.8	18.8
50°	15.2	15.2	15.2	15.2	15.2
52.5°	12.8	12.4	12.8	12.8	12.8
55°	10.4	10.8	10.8	10.8	10.8
57.5°	8.8	9.2	9.2	9.2	9.2
60°	7.6	7.6	7.6	8.0	8.0
62.5°	6.4	6.8	6.8	6.8	6.8
65°	5.6	5.6	5.6	5.6	5.6
67.5°	4.8	4.8	4.8	4.8	5.2
70°	4.0	4.0	4.4	4.4	4.4
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)