

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: P1324731

Luminaire Tested: LDSQA3D05R30W2N902750DE010 3LSQPHRL1MB_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324731
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_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 4000K CCT AND, 90CRI ,
3LSQPHRL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

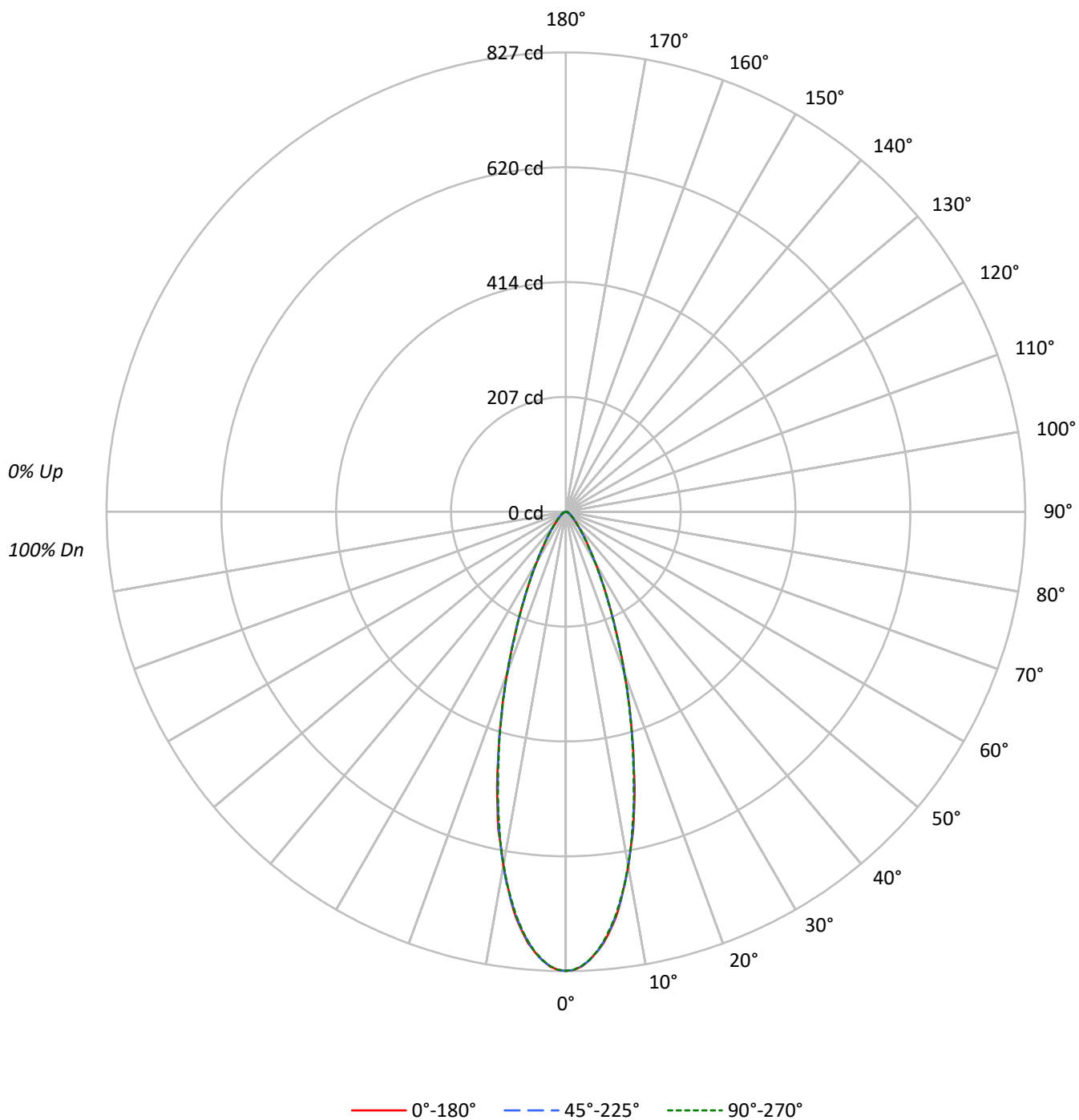
Lumens per Lamp: N/A
Luminaire Lumens: 362.9 lumens
Efficiency: N/A
Efficacy: 61.5 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1324731

CATALOG NUMBER: LDSQA3D05R30W2N902750DE010 3LSQPHRL1MB_4000K

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	96	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	95	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	74		
6	91	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	66	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°	142359	142359	142359
5°	134778	134432	134363
10°	113217	113217	112797
15°	84353	84139	83640
20°	56449	56156	56229
25°	34794	34718	34870
30°	20921	20921	21000
35°	12825	12825	12909
40°	8116	8116	8296
45°	5578	5675	5675
50°	4099	4099	4099
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: 5675 cd/sqm

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CATALOG NUMBER: LDSQA3D05R30W2N902750DE010 3LSQPHRL1MB_4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.1	19.3
10°-20°	129.4	35.6
20°-30°	86.0	23.7
30°-40°	39.7	10.9
40°-50°	18.5	5.1
50°-60°	9.9	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°	285.5	78.7
0°-40°	325.2	89.6
0°-60°	353.5	97.4
0°-90°	362.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	362.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	827	827	827	827	827	
5°	780	778	778	780	777	70
15°	473	475	472	472	469	130
25°	183	183	183	183	184	86
35°	61	61	61	61	61	40
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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CATALOG NUMBER: LDSQA3D05R30W2N902750DE010 3LSQPHRL1MB_4000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	826.6	826.6	826.6	826.6	826.6
1°	824.9	824.1	824.9	826.2	824.5
2°	819.3	818.5	818.5	820.1	818.5
3°	808.5	809.3	808.9	810.5	807.7
4°	794.8	794.4	796.0	796.8	794.4
5°	779.6	778.0	777.6	779.6	777.2
6°	758.7	757.5	756.7	759.1	755.9
7°	736.2	735.4	734.2	735.0	732.6
8°	708.5	708.1	707.3	708.1	705.3
9°	677.5	677.5	679.2	678.8	677.1
10°	647.4	648.2	647.4	648.2	645.0
11°	613.7	613.7	614.5	614.1	614.5
12°	584.4	581.2	580.4	579.6	577.1
13°	546.6	544.2	543.4	544.2	543.0
14°	512.1	510.5	506.5	507.3	505.7
15°	473.1	474.7	471.9	471.9	469.1
17.5°	386.8	385.2	386.0	386.4	385.2
20°	308.0	307.2	306.4	305.6	306.8
22.5°	239.4	239.8	239.0	238.2	237.4
25°	183.1	182.7	182.7	182.7	183.5
27.5°	139.0	139.0	139.0	139.4	139.4
30°	105.2	104.4	105.2	105.6	105.6
32.5°	78.7	79.5	79.9	79.9	79.9
35°	61.0	60.6	61.0	61.4	61.4
37.5°	46.6	46.6	47.0	47.0	47.4
40°	36.1	36.1	36.1	36.5	36.9
42.5°	28.5	28.5	28.9	28.9	29.3
45°	22.9	22.9	23.3	23.3	23.3
47.5°	18.5	18.5	18.9	18.9	18.9
50°	15.3	15.3	15.3	15.3	15.3
52.5°	12.9	12.5	12.9	12.9	12.9
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



TEST NUMBER: P1324731
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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)