

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: P1316319

Luminaire Tested: LDSQA3D05R509740DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316319
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-27)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R509740DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 97CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

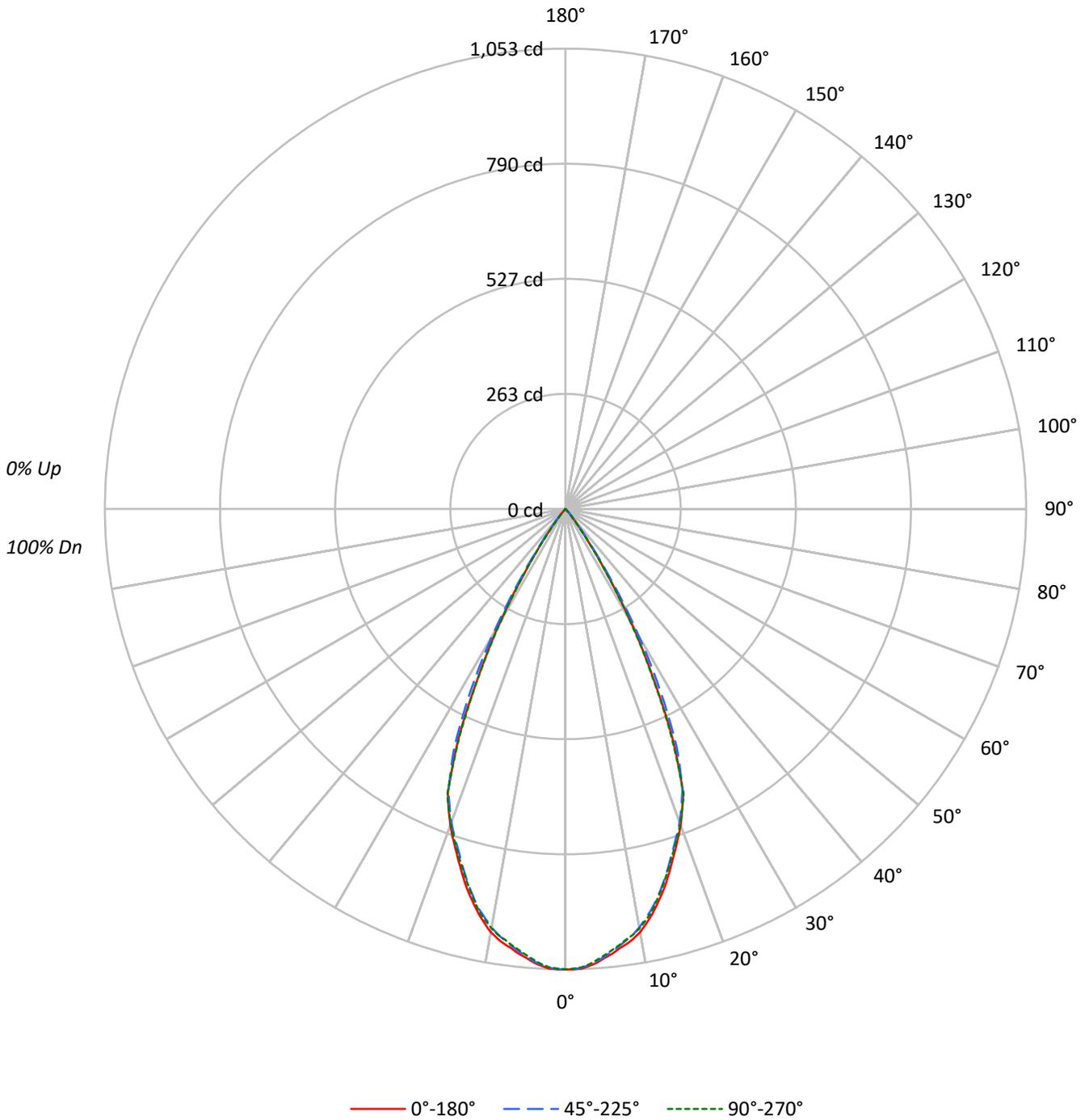
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 678.0 lumens
Efficiency: N/A
Efficacy: 94.2 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
Input Voltage (V): NR
Input Current (A_{in}): 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	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	97	97	97	95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	91	91	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	86	86	86	85
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	82	82	82	80
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	77	77	77	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	73	73	73	72
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	70	70	70	69
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	66	66	66	65
9	81	73	67	64	80	72	67	64	71	67	64	70	66	63	70	66	63	63	63	63	62
10	78	69	64	61	77	69	64	61	68	64	60	67	63	60	67	63	60	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	181333	181333	181333
5°	178171	177669	177151
10°	171837	169965	170298
15°	158061	156082	156510
20°	141140	139821	140609
25°	109854	114453	108657
30°	59501	66441	58447
35°	18754	22328	18354
40°	4137	5778	3934
45°	122	1778	122
50°	0	268	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1778 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.5	14.2
10°-20°	245.1	36.1
20°-30°	258.1	38.1
30°-40°	73.7	10.9
40°-50°	4.6	0.7
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	599.7	88.4
0°-40°	673.4	99.3
0°-60°	678.0	100.0
0°-90°	678.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	678.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1053	1053	1053	1053	1053	
5°	1031	1030	1028	1027	1025	97
15°	886	881	875	877	878	247
25°	578	599	602	596	572	253
35°	89	96	106	90	87	70
45°	0	2	7	2	0	3
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1052.9	1052.9	1052.9	1052.9	1052.9
1°	1053.4	1053.8	1052.9	1053.8	1051.4
2°	1051.9	1050.9	1050.0	1050.4	1049.0
3°	1046.6	1046.1	1044.1	1044.6	1042.7
4°	1039.8	1038.3	1036.9	1035.9	1034.0
5°	1030.6	1029.6	1027.7	1026.7	1024.7
6°	1022.8	1020.9	1017.5	1016.5	1014.6
7°	1012.6	1011.7	1007.3	1006.3	1005.3
8°	1004.9	1002.0	996.6	997.1	994.7
9°	994.7	990.8	985.5	985.5	985.9
10°	982.6	976.7	971.9	973.3	973.8
11°	966.5	962.7	955.4	958.8	958.8
12°	949.1	944.2	938.9	941.8	943.8
13°	928.7	924.8	920.0	922.9	921.9
14°	908.8	901.6	898.2	902.0	900.6
15°	886.5	880.7	875.4	876.8	877.8
17.5°	826.9	820.6	816.7	817.2	821.5
20°	770.1	767.7	762.9	764.8	767.2
22.5°	703.2	704.2	698.4	699.8	705.6
25°	578.1	599.4	602.3	595.5	571.8
27.5°	428.2	460.2	469.9	454.4	425.3
30°	299.2	308.0	334.1	304.6	293.9
32.5°	175.6	188.7	202.7	182.3	175.1
35°	89.2	95.5	106.2	90.2	87.3
37.5°	41.2	44.1	48.5	41.2	38.8
40°	18.4	21.8	25.7	20.9	17.5
42.5°	5.8	10.2	13.6	9.2	5.3
45°	0.5	2.4	7.3	2.4	0.5
47.5°	0.0	0.5	2.9	0.5	0.0
50°	0.0	0.0	1.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
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)