

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: P1307855

Luminaire Tested: LDSQA3D05R509027DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307855
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-39)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R509027DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

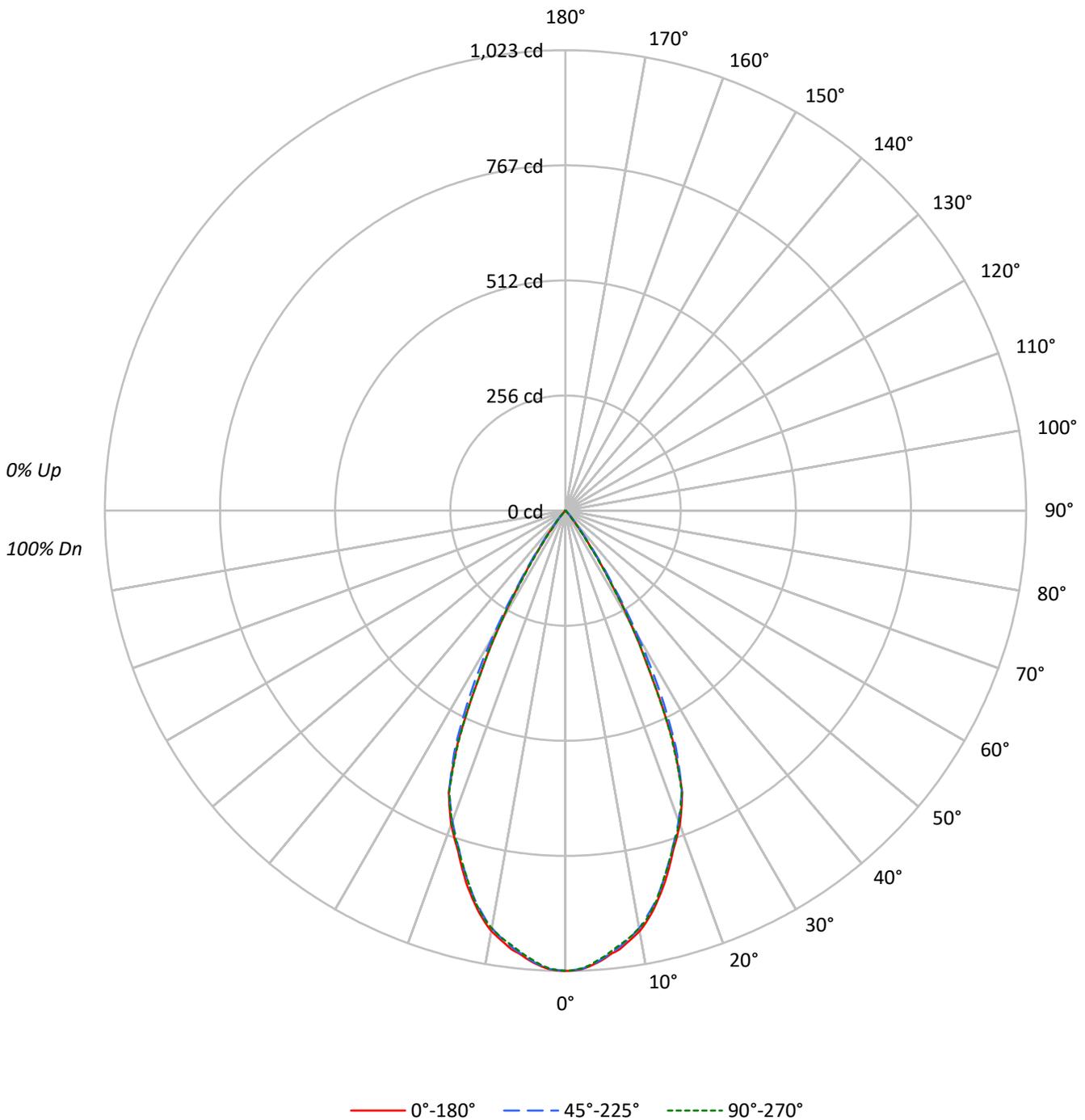
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 659.0 lumens
Efficiency: N/A
Efficacy: 91.5 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				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	109	107	106	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	91	90
3	105	99	94	91	103	98	93	90	95	92	89	93	90	87	90	88	86	86	86	86	85
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	87	84	81	81	81	81	80
5	96	88	83	79	94	88	83	79	86	82	78	84	81	78	83	80	77	77	77	77	76
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	73	73	73	72
7	88	80	74	71	87	79	74	70	78	73	70	77	73	70	76	72	69	69	69	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	66	66	66	65
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	63	63	63	62
10	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	63	60	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	176115	176115	176115
5°	172656	172345	171861
10°	165908	164754	164841
15°	152302	150876	150715
20°	136064	134598	135294
25°	106947	110044	106054
30°	57214	64094	57393
35°	18691	21823	17598
40°	4631	5778	4406
45°	560	2046	560
50°	375	616	375
55°	420	420	420
60°	310	310	310
65°	367	367	367
70°	252	252	252
75°	333	333	333
80°	496	496	496
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2046 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.5	14.2
10°-20°	236.5	35.9
20°-30°	248.7	37.7
30°-40°	71.7	10.9
40°-50°	5.8	0.9
50°-60°	1.3	0.2
60°-70°	0.9	0.1
70°-80°	0.5	0.1
80°-90°	0.1	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°	578.7	87.8
0°-40°	650.4	98.7
0°-60°	657.5	99.8
0°-90°	659.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	659.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1023	1023	1023	1023	1023	
5°	999	998	997	998	994	94
15°	854	849	846	846	845	238
25°	563	577	579	573	558	244
35°	89	92	104	89	84	69
45°	2	5	8	5	2	4
55°	1	1	1	1	1	1
65°	1	1	1	1	1	1
75°	0	0	0	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1022.6	1022.6	1022.6	1022.6	1022.6
1°	1022.1	1023.1	1021.2	1024.5	1021.7
2°	1019.8	1020.2	1019.3	1021.7	1017.9
3°	1014.2	1015.1	1013.2	1015.1	1011.8
4°	1007.6	1007.6	1005.7	1007.2	1002.9
5°	998.7	998.3	996.9	997.8	994.1
6°	989.4	988.9	986.6	986.6	983.8
7°	982.4	979.1	977.2	976.7	973.9
8°	971.1	970.2	966.5	966.5	964.6
9°	959.9	959.0	954.8	955.7	954.3
10°	948.7	945.4	942.1	942.6	942.6
11°	933.7	930.9	926.2	928.1	929.0
12°	915.9	912.7	908.4	912.2	911.7
13°	896.3	893.5	890.2	893.0	892.1
14°	875.7	871.5	868.7	870.6	869.6
15°	854.2	848.6	846.2	846.2	845.3
17.5°	793.8	790.6	788.2	786.8	790.1
20°	742.4	739.6	734.4	735.8	738.2
22.5°	677.8	677.4	674.6	672.2	675.0
25°	562.8	576.8	579.1	572.6	558.1
27.5°	408.8	441.6	453.3	437.9	411.2
30°	287.7	303.1	322.3	291.9	288.6
32.5°	173.5	177.8	195.5	174.5	169.8
35°	88.9	92.2	103.8	88.9	83.7
37.5°	41.6	43.5	48.2	41.6	38.8
40°	20.6	22.9	25.7	21.5	19.6
42.5°	8.9	11.7	15.0	11.2	8.0
45°	2.3	4.7	8.4	4.7	2.3
47.5°	1.4	1.9	4.7	1.9	1.4
50°	1.4	1.4	2.3	1.4	1.4
52.5°	1.4	1.4	1.4	1.4	1.4
55°	1.4	1.4	1.4	1.4	1.4
57.5°	1.4	1.4	1.4	1.4	1.4
60°	0.9	1.4	0.9	1.4	0.9
62.5°	0.9	0.9	0.9	0.9	0.9
65°	0.9	0.9	0.9	0.9	0.9
67.5°	0.9	0.9	0.9	0.9	0.9
70°	0.5	0.5	0.5	0.5	0.5
72.5°	0.5	0.5	0.5	0.5	0.5
75°	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.5	0.5	0.5
80°	0.5	0.5	0.5	0.5	0.5
82.5°	0.0	0.5	0.0	0.5	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)