

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: P1316349

Luminaire Tested: LDSQA3D05R709740DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316349
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R709740DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 97CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

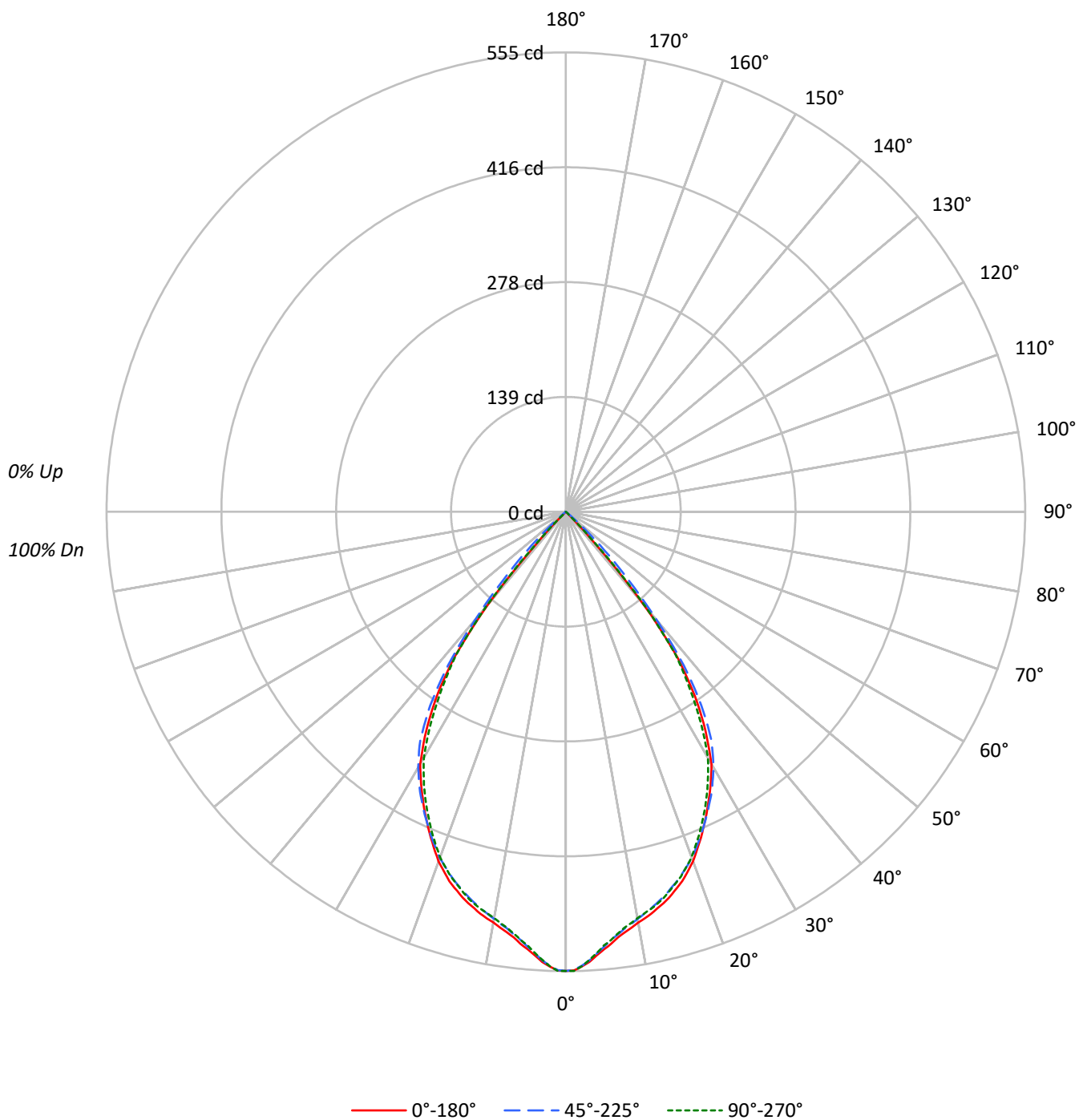
Lumens per Lamp: N/A
Luminaire Lumens: 574.0 lumens
Efficiency: N/A
Efficacy: 79.7 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
Input Voltage (V): NR
Input Current (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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	111	108	106	111	108	106	104	104	103	101		101	99	98		97
2	108	103	98	95	105	101	97	94	98	95	92		95	92	90		92
3	102	95	90	86	100	94	89	85	91	87	84		89	86	83		87
4	96	89	83	79	95	88	82	78	85	81	77		83	79	76		81
5	91	83	77	72	90	82	76	72	80	75	71		78	74	71		77
6	86	77	71	67	85	76	71	66	75	70	66		73	69	65		72
7	82	72	66	62	80	71	66	61	70	65	61		69	64	61		68
8	78	68	61	57	76	67	61	57	66	61	57		65	60	57		64
9	74	63	57	53	72	63	57	53	62	57	53		61	56	53		60
10	70	60	54	50	69	59	53	50	58	53	49		58	53	49		57

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	95549	95549	95549
5°	91730	91212	90970
10°	88122	87352	87177
15°	86029	84816	84995
20°	82382	81576	81393
25°	76467	76657	75460
30°	69981	70955	68251
35°	57250	60004	55000
40°	32959	38422	33836
45°	463	15953	1656
50°	0	1688	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: 15953 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.5	8.6
10°-20°	134.1	23.4
20°-30°	184.3	32.1
30°-40°	167.1	29.1
40°-50°	38.8	6.8
50°-60°	0.2	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°	367.9	64.1
0°-40°	535.0	93.2
0°-60°	574.0	100.0
0°-90°	574.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	574.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	555	555	555	555	555	
5°	531	529	528	527	526	50
15°	482	479	476	476	477	135
25°	402	404	403	400	397	185
35°	272	276	285	273	262	164
45°	2	22	66	28	7	23
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	554.8	554.8	554.8	554.8	554.8
1°	554.3	553.4	553.8	554.3	554.8
2°	550.0	549.0	549.0	549.5	549.5
3°	544.6	542.7	542.7	542.2	542.2
4°	537.3	535.9	534.9	534.4	534.4
5°	530.6	529.1	527.6	526.7	526.2
6°	524.7	522.3	520.4	519.9	520.4
7°	517.9	516.5	514.5	513.1	513.6
8°	513.1	511.1	508.7	507.7	507.7
9°	508.7	506.8	504.3	502.4	503.4
10°	503.9	501.9	499.5	498.0	498.5
11°	500.5	498.0	495.1	494.1	494.6
12°	496.6	493.7	490.7	490.3	491.2
13°	491.7	488.8	485.9	485.9	486.9
14°	487.3	484.0	481.0	481.0	482.5
15°	482.5	479.1	475.7	475.7	476.7
17.5°	467.9	465.0	461.6	461.6	462.1
20°	449.5	448.0	445.1	443.7	444.1
22.5°	426.2	426.2	424.7	422.3	421.3
25°	402.4	404.3	403.4	399.5	397.1
27.5°	377.6	381.0	381.5	375.7	371.3
30°	351.9	354.8	356.8	350.0	343.2
32.5°	314.1	322.8	327.6	318.4	304.4
35°	272.3	276.2	285.4	273.3	261.6
37.5°	221.3	226.2	234.0	224.3	217.5
40°	146.6	166.0	170.9	166.0	150.5
42.5°	52.9	93.2	112.1	95.1	62.1
45°	1.9	21.8	65.5	28.2	6.8
47.5°	0.0	0.5	29.6	1.0	0.0
50°	0.0	0.0	6.3	0.0	0.0
52.5°	0.0	0.0	0.5	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)