

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: P1309745

Luminaire Tested: LDSQA3D24R509030D010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309745
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: LDSQA3D24R509030D010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

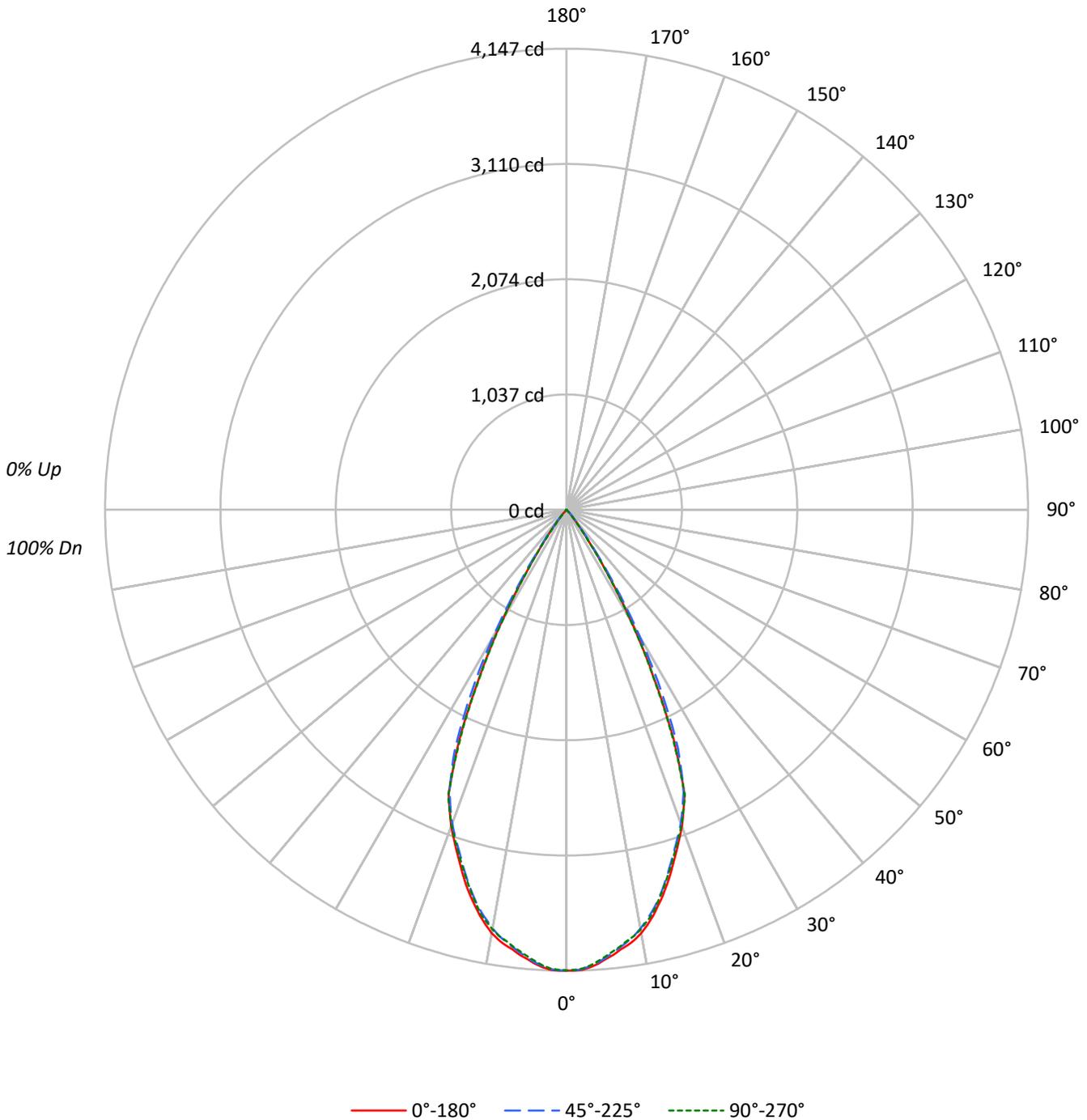
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2669.0 lumens
Efficiency: N/A
Efficacy: 92.7 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): 28.8
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			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°	713811	713811	713811
5°	701359	699371	697400
10°	676416	669071	670400
15°	622242	614415	616109
20°	555636	550395	553529
25°	432444	450572	427731
30°	234244	261588	230068
35°	73859	87903	72240
40°	16300	22752	15445
45°	463	6966	463
50°	0	1018	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: 6966 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	379.7	14.2
10°-20°	964.8	36.1
20°-30°	1016.2	38.1
30°-40°	290.2	10.9
40°-50°	18.0	0.7
50°-60°	0.1	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°	2360.7	88.4
0°-40°	2650.9	99.3
0°-60°	2669.0	100.0
0°-90°	2669.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2669.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4145	4145	4145	4145	4145	
5°	4057	4053	4045	4042	4034	381
15°	3490	3467	3446	3452	3456	972
25°	2276	2360	2371	2344	2251	996
35°	351	376	418	355	344	274
45°	2	10	29	10	2	11
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°	4144.7	4144.7	4144.7	4144.7	4144.7
1°	4146.6	4148.5	4144.7	4148.5	4139.0
2°	4140.9	4137.1	4133.3	4135.2	4129.5
3°	4119.9	4118.0	4110.4	4112.3	4104.6
4°	4093.2	4087.4	4081.7	4077.9	4070.3
5°	4056.9	4053.1	4045.4	4041.6	4034.0
6°	4026.4	4018.7	4005.4	4001.5	3993.9
7°	3986.3	3982.4	3965.3	3961.4	3957.6
8°	3955.7	3944.3	3923.3	3925.2	3915.6
9°	3915.6	3900.4	3879.4	3879.4	3881.3
10°	3867.9	3845.0	3825.9	3831.6	3833.5
11°	3804.9	3789.6	3761.0	3774.4	3774.4
12°	3736.2	3717.1	3696.1	3707.5	3715.2
13°	3656.0	3640.7	3621.6	3633.1	3629.3
14°	3577.7	3549.1	3535.7	3551.0	3545.3
15°	3489.9	3467.0	3446.0	3451.7	3455.5
17.5°	3255.1	3230.2	3215.0	3216.9	3234.1
20°	3031.7	3022.2	3003.1	3010.7	3020.2
22.5°	2768.2	2772.1	2749.1	2754.9	2777.8
25°	2275.7	2359.7	2371.1	2344.4	2250.9
27.5°	1685.8	1811.8	1849.9	1788.9	1674.3
30°	1177.9	1212.3	1315.4	1198.9	1156.9
32.5°	691.1	742.7	798.0	717.8	689.2
35°	351.3	376.1	418.1	355.1	343.6
37.5°	162.3	173.7	190.9	162.3	152.7
40°	72.5	85.9	101.2	82.1	68.7
42.5°	22.9	40.1	53.5	36.3	21.0
45°	1.9	9.5	28.6	9.5	1.9
47.5°	0.0	1.9	11.5	1.9	0.0
50°	0.0	0.0	3.8	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)