

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: P1309601

Luminaire Tested: LDSQA3D20R509030D010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309601
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: LDSQA3D20R509030D010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

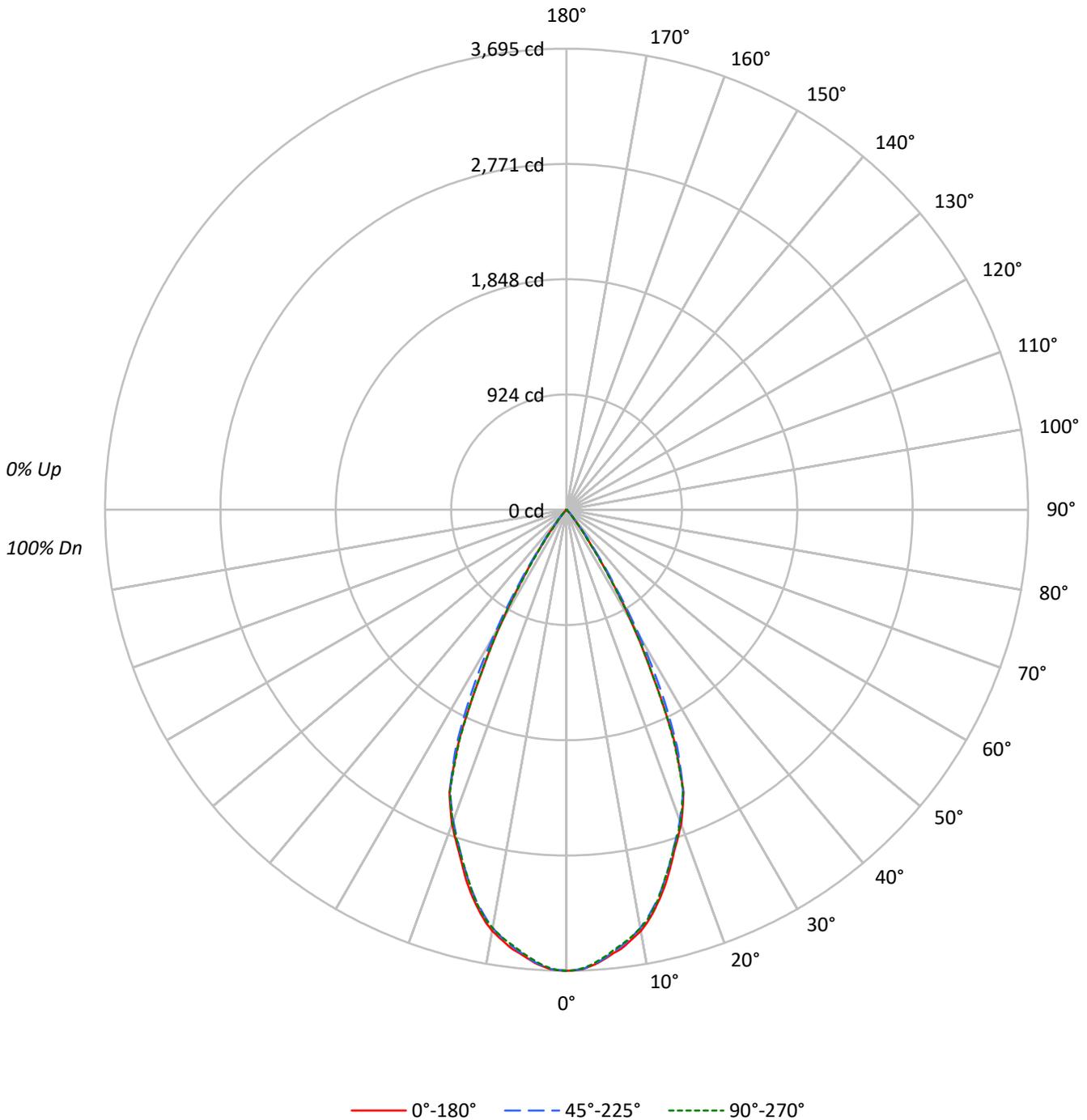
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2381.1 lumens
Efficiency: N/A
Efficacy: 82.7 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 (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	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°	636311	636311	636311
5°	623839	622664	620918
10°	599417	595290	595569
15°	550263	545146	544540
20°	491600	486322	488814
25°	386362	397612	383151
30°	206701	231579	207377
35°	67510	78884	63599
40°	16727	20908	15962
45°	2070	7404	2070
50°	1366	2277	1366
55°	1531	1531	1531
60°	1171	1171	1171
65°	1386	1386	1386
70°	856	856	856
75°	1131	1131	1131
80°	1686	1686	1686
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 7404 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	337.8	14.2
10°-20°	854.4	35.9
20°-30°	898.7	37.7
30°-40°	259.0	10.9
40°-50°	21.1	0.9
50°-60°	4.6	0.2
60°-70°	3.3	0.1
70°-80°	1.8	0.1
80°-90°	0.5	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°	2090.9	87.8
0°-40°	2349.9	98.7
0°-60°	2375.5	99.8
0°-90°	2381.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2381.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3695	3695	3695	3695	3695	
5°	3608	3607	3602	3605	3592	339
15°	3086	3066	3058	3058	3054	859
25°	2033	2084	2092	2069	2016	881
35°	321	333	375	321	302	248
45°	8	17	30	17	8	16
55°	5	5	5	5	5	4
65°	3	3	3	3	3	3
75°	2	2	2	2	2	2
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°	3694.7	3694.7	3694.7	3694.7	3694.7
1°	3693.0	3696.3	3689.6	3701.4	3691.3
2°	3684.5	3686.2	3682.8	3691.3	3677.8
3°	3664.2	3667.6	3660.9	3667.6	3655.8
4°	3640.6	3640.6	3633.8	3638.9	3623.7
5°	3608.5	3606.8	3601.7	3605.1	3591.6
6°	3574.7	3573.0	3564.5	3564.5	3554.4
7°	3549.3	3537.5	3530.7	3529.0	3518.9
8°	3508.7	3505.4	3491.8	3491.8	3485.1
9°	3468.2	3464.8	3449.6	3453.0	3447.9
10°	3427.6	3415.8	3404.0	3405.6	3405.6
11°	3373.5	3363.4	3346.5	3353.2	3356.6
12°	3309.3	3297.5	3282.3	3295.8	3294.1
13°	3238.3	3228.2	3216.3	3226.5	3223.1
14°	3164.0	3148.7	3138.6	3145.4	3142.0
15°	3086.2	3065.9	3057.5	3057.5	3054.1
17.5°	2868.2	2856.3	2847.9	2842.8	2854.7
20°	2682.3	2672.1	2653.5	2658.6	2667.1
22.5°	2449.0	2447.3	2437.2	2428.7	2438.9
25°	2033.2	2083.9	2092.4	2068.7	2016.3
27.5°	1477.2	1595.5	1637.8	1582.0	1485.6
30°	1039.4	1095.2	1164.5	1054.7	1042.8
32.5°	627.0	642.3	706.5	630.4	613.5
35°	321.1	333.0	375.2	321.1	302.5
37.5°	150.4	157.2	174.1	150.4	140.3
40°	74.4	82.8	93.0	77.7	71.0
42.5°	32.1	42.3	54.1	40.6	28.7
45°	8.5	16.9	30.4	16.9	8.5
47.5°	5.1	6.8	16.9	6.8	5.1
50°	5.1	5.1	8.5	5.1	5.1
52.5°	5.1	5.1	5.1	5.1	5.1
55°	5.1	5.1	5.1	5.1	5.1
57.5°	5.1	5.1	5.1	5.1	5.1
60°	3.4	5.1	3.4	5.1	3.4
62.5°	3.4	3.4	3.4	3.4	3.4
65°	3.4	3.4	3.4	3.4	3.4
67.5°	3.4	3.4	3.4	3.4	3.4
70°	1.7	1.7	1.7	1.7	1.7
72.5°	1.7	1.7	1.7	1.7	1.7
75°	1.7	1.7	1.7	1.7	1.7
77.5°	1.7	1.7	1.7	1.7	1.7
80°	1.7	1.7	1.7	1.7	1.7
82.5°	0.0	1.7	0.0	1.7	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)