

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: P1311836

Luminaire Tested: LDSQA3D20R509040D010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311836
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: LDSQA3D20R509040D010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

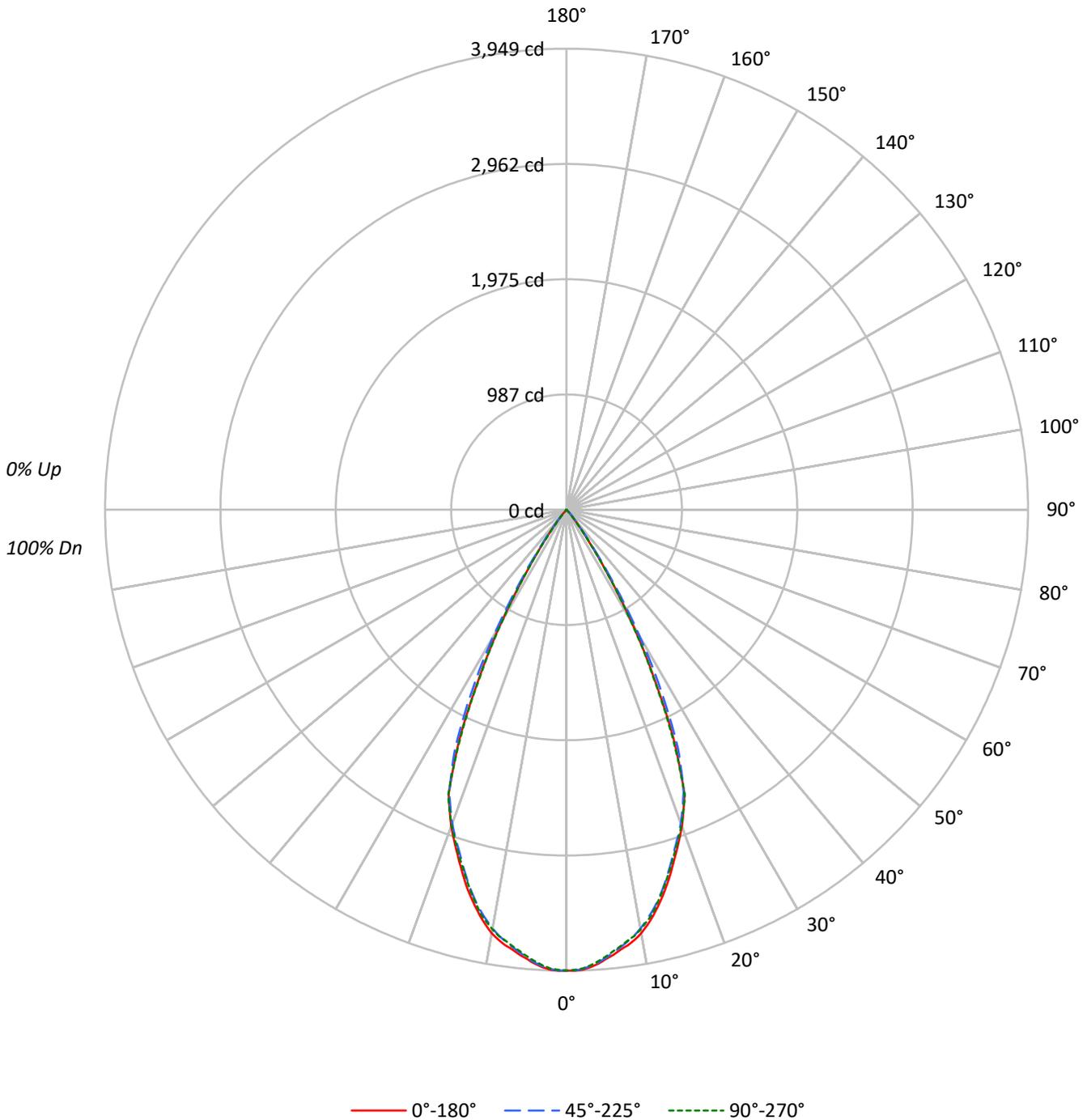
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2542.0 lumens
Efficiency: N/A
Efficacy: 88.3 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				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°	679849	679849	679849
5°	667993	666109	664207
10°	644238	637226	638502
15°	592627	585174	586797
20°	529190	524205	527192
25°	411864	429137	407379
30°	223107	249139	219130
35°	70348	83720	68813
40°	15535	21673	14726
45°	438	6649	438
50°	0	965	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: 6649 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	361.7	14.2
10°-20°	918.9	36.1
20°-30°	967.8	38.1
30°-40°	276.4	10.9
40°-50°	17.1	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°	2248.4	88.4
0°-40°	2524.8	99.3
0°-60°	2542.0	100.0
0°-90°	2542.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2542.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3948	3948	3948	3948	3948	
5°	3864	3860	3853	3849	3842	363
15°	3324	3302	3282	3288	3291	926
25°	2167	2247	2258	2233	2144	948
35°	335	358	398	338	327	261
45°	2	9	27	9	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°	3947.5	3947.5	3947.5	3947.5	3947.5
1°	3949.3	3951.1	3947.5	3951.1	3942.0
2°	3943.9	3940.2	3936.6	3938.4	3933.0
3°	3923.9	3922.0	3914.8	3916.6	3909.3
4°	3898.4	3893.0	3887.5	3883.9	3876.6
5°	3863.9	3860.2	3853.0	3849.3	3842.0
6°	3834.8	3827.5	3814.8	3811.1	3803.9
7°	3796.6	3792.9	3776.6	3772.9	3769.3
8°	3767.5	3756.6	3736.6	3738.4	3729.3
9°	3729.3	3714.8	3694.8	3694.8	3696.6
10°	3683.9	3662.0	3643.8	3649.3	3651.1
11°	3623.8	3609.3	3582.0	3594.8	3594.8
12°	3558.4	3540.2	3520.2	3531.1	3538.4
13°	3482.0	3467.5	3449.3	3460.2	3456.6
14°	3407.5	3380.2	3367.5	3382.0	3376.6
15°	3323.8	3302.0	3282.0	3287.5	3291.1
17.5°	3100.2	3076.5	3062.0	3063.8	3080.2
20°	2887.4	2878.4	2860.2	2867.4	2876.5
22.5°	2636.5	2640.2	2618.3	2623.8	2645.6
25°	2167.4	2247.4	2258.3	2232.9	2143.8
27.5°	1605.5	1725.6	1761.9	1703.7	1594.6
30°	1121.9	1154.6	1252.8	1141.9	1101.9
32.5°	658.2	707.3	760.0	683.7	656.4
35°	334.6	358.2	398.2	338.2	327.3
37.5°	154.6	165.5	181.8	154.6	145.5
40°	69.1	81.8	96.4	78.2	65.5
42.5°	21.8	38.2	50.9	34.5	20.0
45°	1.8	9.1	27.3	9.1	1.8
47.5°	0.0	1.8	10.9	1.8	0.0
50°	0.0	0.0	3.6	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)