

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: P1308481

Luminaire Tested: LDSQA3D20R509027D010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308481
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: LDSQA3D20R509027D010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

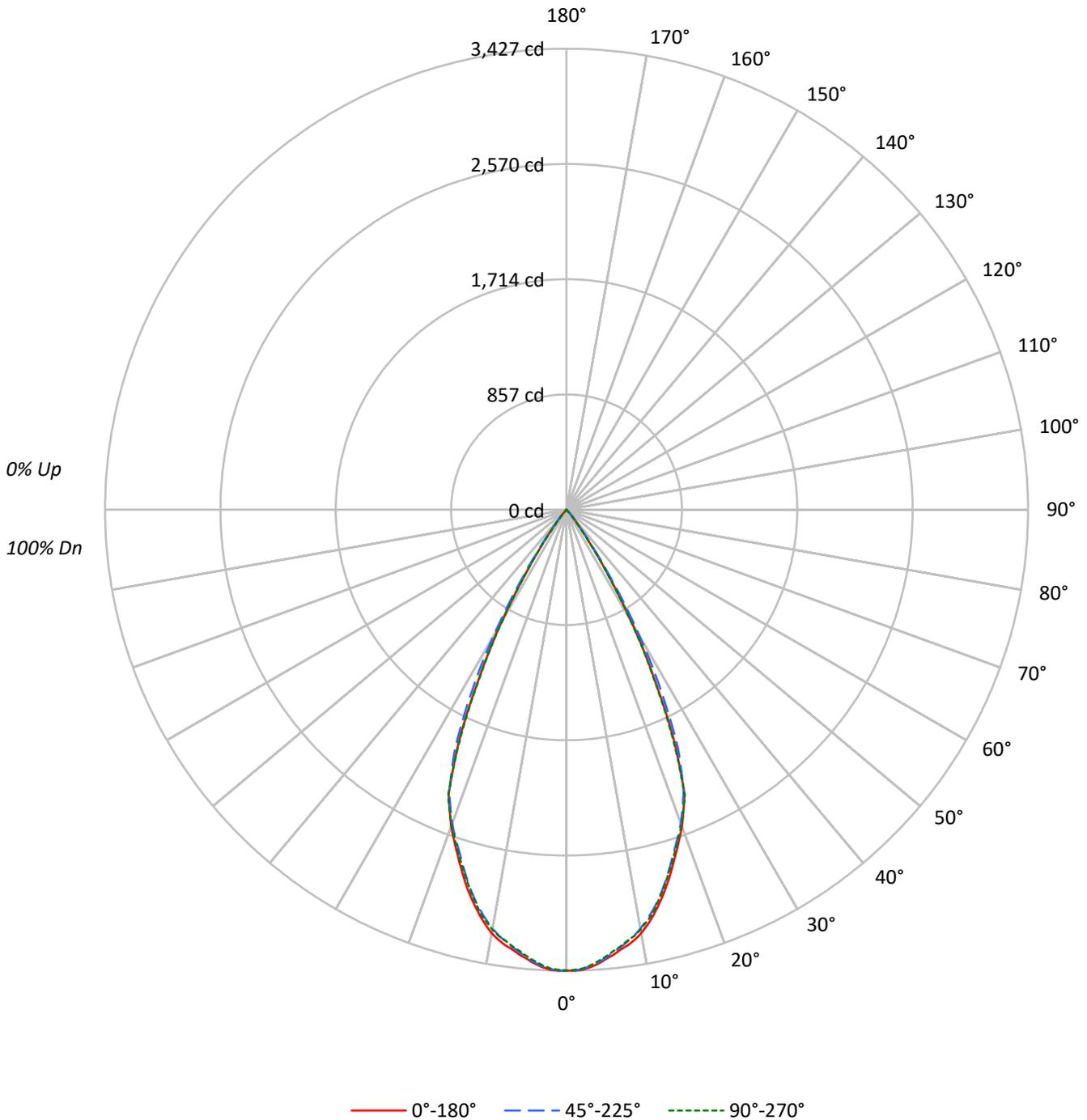
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2206.0 lumens
Efficiency: N/A
Efficacy: 76.6 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°	589983	589983	589983
5°	579686	578061	576418
10°	559072	553004	554106
15°	514301	507828	509237
20°	459252	454908	457511
25°	357421	372414	353526
30°	193616	216207	190155
35°	61034	72661	59710
40°	13489	18795	12770
45°	390	5772	390
50°	0	857	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: 5772 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	313.8	14.2
10°-20°	797.4	36.1
20°-30°	839.9	38.1
30°-40°	239.9	10.9
40°-50°	14.9	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°	1951.2	88.4
0°-40°	2191.1	99.3
0°-60°	2206.0	100.0
0°-90°	2206.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2206.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3426	3426	3426	3426	3426	
5°	3353	3350	3344	3340	3334	315
15°	2884	2866	2848	2853	2856	804
25°	1881	1950	1960	1938	1860	823
35°	290	311	346	294	284	226
45°	2	8	24	8	2	9
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°	3425.7	3425.7	3425.7	3425.7	3425.7
1°	3427.3	3428.9	3425.7	3428.9	3421.0
2°	3422.6	3419.4	3416.3	3417.8	3413.1
3°	3405.2	3403.6	3397.3	3398.9	3392.6
4°	3383.1	3378.4	3373.7	3370.5	3364.2
5°	3353.1	3350.0	3343.7	3340.5	3334.2
6°	3327.9	3321.6	3310.5	3307.4	3301.1
7°	3294.8	3291.6	3277.4	3274.2	3271.1
8°	3269.5	3260.0	3242.7	3244.3	3236.4
9°	3236.4	3223.7	3206.4	3206.4	3208.0
10°	3196.9	3178.0	3162.2	3166.9	3168.5
11°	3144.9	3132.2	3108.6	3119.6	3119.6
12°	3088.0	3072.3	3054.9	3064.4	3070.7
13°	3021.8	3009.1	2993.4	3002.8	2999.7
14°	2957.1	2933.4	2922.4	2935.0	2930.2
15°	2884.5	2865.6	2848.2	2852.9	2856.1
17.5°	2690.4	2669.9	2657.3	2658.8	2673.0
20°	2505.8	2497.9	2482.1	2488.4	2496.3
22.5°	2288.0	2291.2	2272.2	2277.0	2295.9
25°	1880.9	1950.3	1959.8	1937.7	1860.4
27.5°	1393.3	1497.5	1529.0	1478.5	1383.9
30°	973.6	1002.0	1087.2	991.0	956.2
32.5°	571.2	613.8	659.6	593.3	569.6
35°	290.3	310.9	345.6	293.5	284.0
37.5°	134.1	143.6	157.8	134.1	126.2
40°	60.0	71.0	83.6	67.9	56.8
42.5°	18.9	33.1	44.2	30.0	17.4
45°	1.6	7.9	23.7	7.9	1.6
47.5°	0.0	1.6	9.5	1.6	0.0
50°	0.0	0.0	3.2	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)