

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: P1310717

Luminaire Tested: LDSQA3D20R509035D010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310717
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: LDSQA3D20R509035D010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R50 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

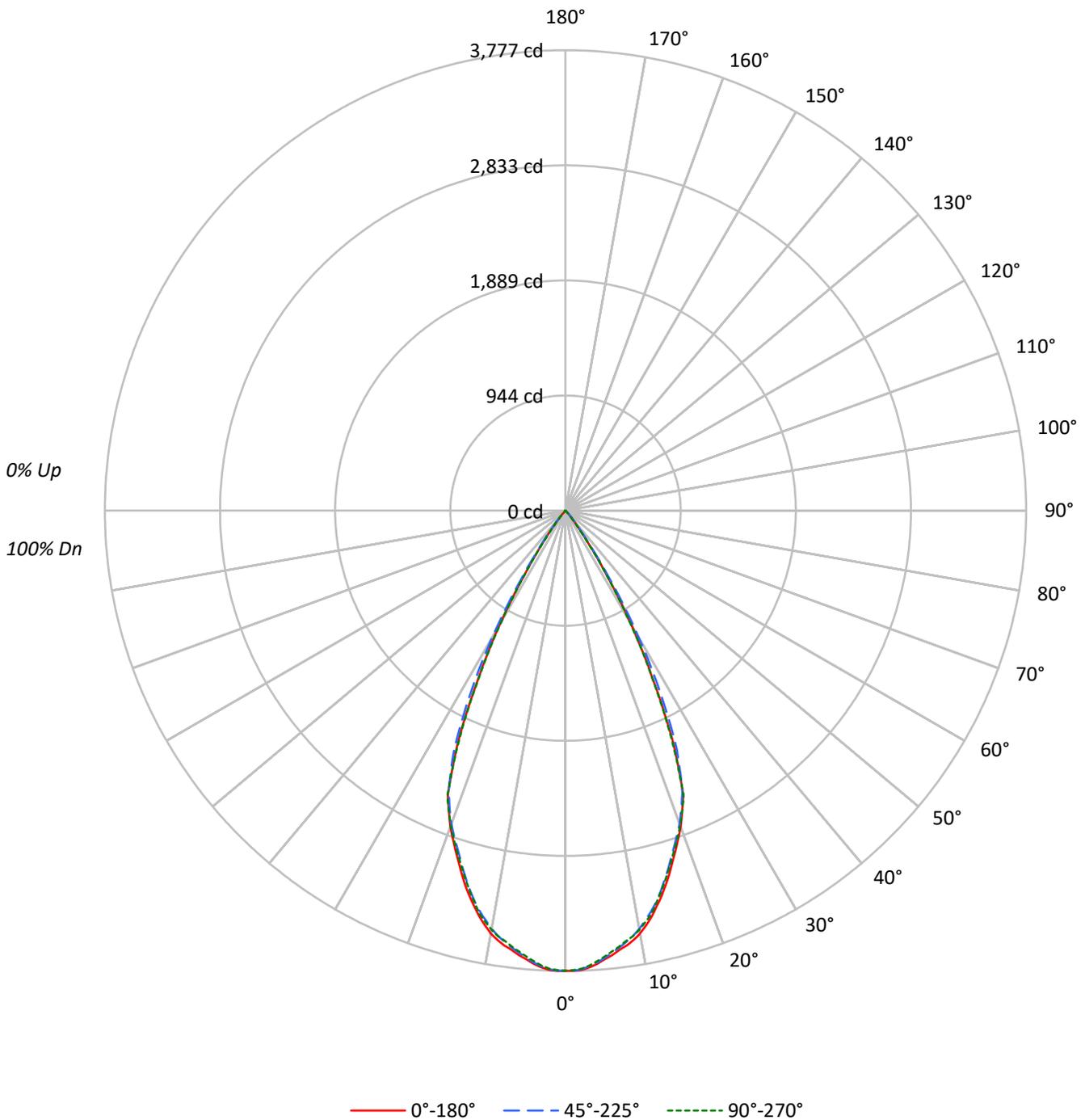
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2431.0 lumens
Efficiency: N/A
Efficacy: 84.4 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°	650158	650158	650158
5°	638811	637013	635215
10°	616100	609402	610627
15°	566756	559624	561175
20°	506097	501313	504173
25°	393887	410401	389593
30°	213363	238261	209565
35°	67278	80061	65807
40°	14861	20728	14074
45°	414	6357	414
50°	0	938	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: 6357 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	345.9	14.2
10°-20°	878.8	36.1
20°-30°	925.6	38.1
30°-40°	264.3	10.9
40°-50°	16.4	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°	2150.2	88.4
0°-40°	2414.5	99.3
0°-60°	2431.0	100.0
0°-90°	2431.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2431.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3775	3775	3775	3775	3775	
5°	3695	3692	3685	3681	3674	347
15°	3179	3158	3139	3144	3147	885
25°	2073	2149	2160	2135	2050	907
35°	320	343	381	323	313	250
45°	2	9	26	9	2	10
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°	3775.1	3775.1	3775.1	3775.1	3775.1
1°	3776.9	3778.6	3775.1	3778.6	3769.9
2°	3771.7	3768.2	3764.7	3766.4	3761.2
3°	3752.5	3750.8	3743.8	3745.6	3738.6
4°	3728.2	3723.0	3717.7	3714.3	3707.3
5°	3695.1	3691.7	3684.7	3681.2	3674.3
6°	3667.3	3660.4	3648.2	3644.7	3637.8
7°	3630.8	3627.3	3611.7	3608.2	3604.7
8°	3603.0	3592.5	3573.4	3575.2	3566.5
9°	3566.5	3552.6	3533.4	3533.4	3535.2
10°	3523.0	3502.1	3484.7	3490.0	3491.7
11°	3465.6	3451.7	3425.6	3437.8	3437.8
12°	3403.0	3385.6	3366.5	3376.9	3383.9
13°	3330.0	3316.1	3298.7	3309.1	3305.6
14°	3258.7	3232.6	3220.4	3234.3	3229.1
15°	3178.7	3157.8	3138.7	3143.9	3147.4
17.5°	2964.8	2942.2	2928.3	2930.0	2945.7
20°	2761.4	2752.7	2735.3	2742.2	2750.9
22.5°	2521.4	2524.9	2504.0	2509.2	2530.1
25°	2072.8	2149.3	2159.7	2135.4	2050.2
27.5°	1535.4	1650.2	1685.0	1629.3	1525.0
30°	1072.9	1104.2	1198.1	1092.0	1053.8
32.5°	629.5	676.4	726.9	653.8	627.7
35°	320.0	342.6	380.8	323.4	313.0
37.5°	147.8	158.2	173.9	147.8	139.1
40°	66.1	78.3	92.2	74.8	62.6
42.5°	20.9	36.5	48.7	33.0	19.1
45°	1.7	8.7	26.1	8.7	1.7
47.5°	0.0	1.7	10.4	1.7	0.0
50°	0.0	0.0	3.5	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)