

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: P1320451

Luminaire Tested: LDSQA3D20R509840D010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320451
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: LDSQA3D20R509840D010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

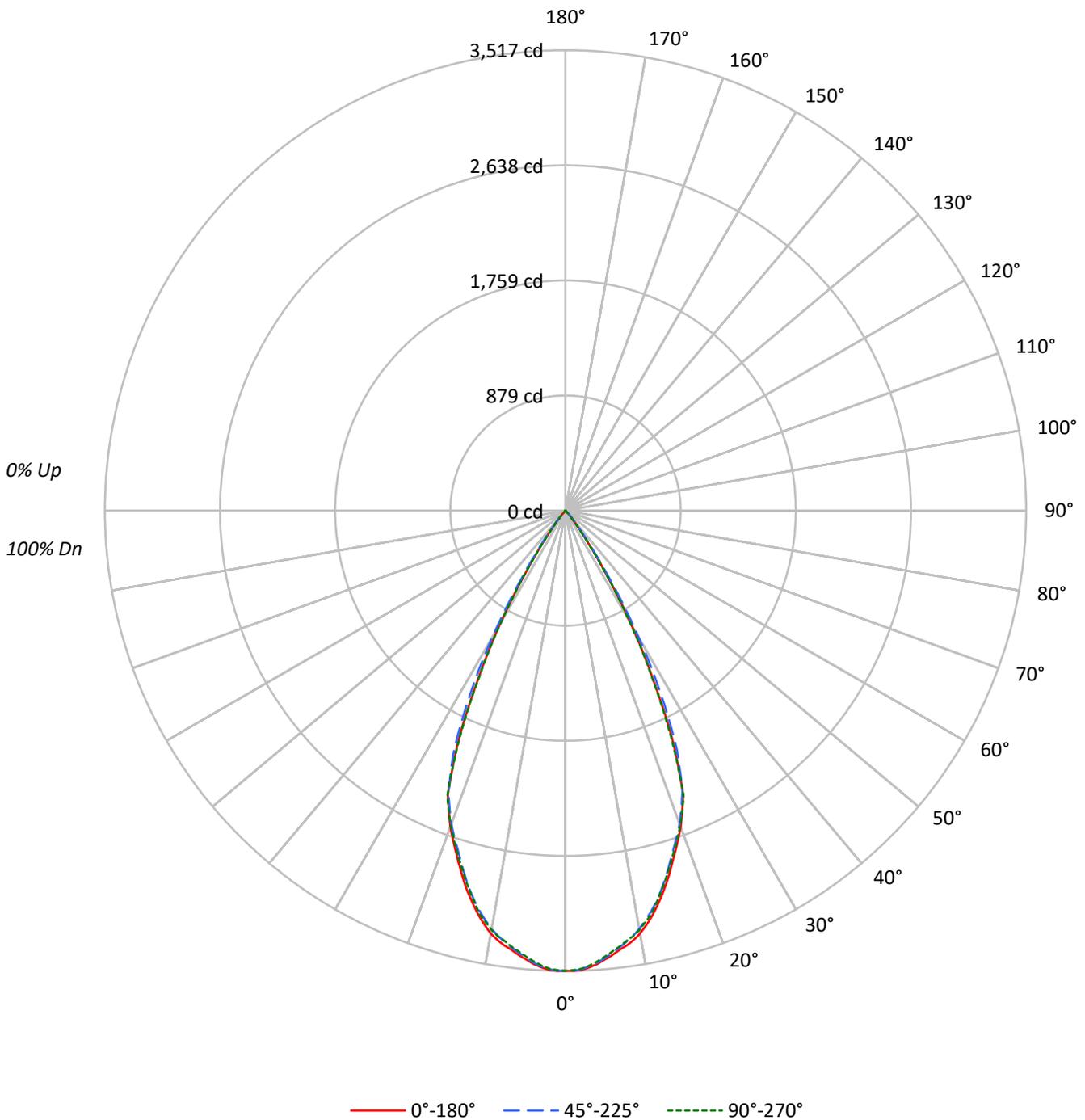
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2264.0 lumens
Efficiency: N/A
Efficacy: 82.6 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): 27.4
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°	605500	605500	605500
5°	594934	593257	591580
10°	573779	567536	568673
15°	527816	521183	522627
20°	471330	466876	469534
25°	366827	382201	362818
30°	198706	221894	195167
35°	62653	74574	61286
40°	13826	19290	13107
45°	390	5918	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: 5918 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	322.1	14.2
10°-20°	818.4	36.1
20°-30°	862.0	38.1
30°-40°	246.2	10.9
40°-50°	15.2	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°	2002.5	88.4
0°-40°	2248.7	99.3
0°-60°	2264.0	100.0
0°-90°	2264.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2264.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3516	3516	3516	3516	3516	
5°	3441	3438	3432	3428	3422	324
15°	2960	2941	2923	2928	2931	825
25°	1930	2002	2011	1989	1909	844
35°	298	319	355	301	292	232
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°	3515.8	3515.8	3515.8	3515.8	3515.8
1°	3517.4	3519.0	3515.8	3519.0	3510.9
2°	3512.6	3509.3	3506.1	3507.7	3502.8
3°	3494.7	3493.1	3486.6	3488.3	3481.8
4°	3472.1	3467.2	3462.4	3459.1	3452.6
5°	3441.3	3438.1	3431.6	3428.3	3421.9
6°	3415.4	3408.9	3397.6	3394.3	3387.9
7°	3381.4	3378.1	3363.6	3360.3	3357.1
8°	3355.5	3345.8	3327.9	3329.6	3321.5
9°	3321.5	3308.5	3290.7	3290.7	3292.3
10°	3281.0	3261.5	3245.3	3250.2	3251.8
11°	3227.5	3214.6	3190.3	3201.6	3201.6
12°	3169.2	3153.0	3135.2	3144.9	3151.4
13°	3101.2	3088.3	3072.1	3081.8	3078.5
14°	3034.8	3010.5	2999.2	3012.1	3007.3
15°	2960.3	2940.9	2923.1	2927.9	2931.2
17.5°	2761.1	2740.1	2727.1	2728.7	2743.3
20°	2571.7	2563.6	2547.4	2553.8	2561.9
22.5°	2348.2	2351.4	2332.0	2336.8	2356.3
25°	1930.4	2001.6	2011.3	1988.7	1909.3
27.5°	1430.0	1536.8	1569.2	1517.4	1420.2
30°	999.2	1028.3	1115.8	1017.0	981.4
32.5°	586.2	630.0	676.9	608.9	584.6
35°	298.0	319.0	354.7	301.2	291.5
37.5°	137.7	147.4	161.9	137.7	129.6
40°	61.5	72.9	85.8	69.6	58.3
42.5°	19.4	34.0	45.3	30.8	17.8
45°	1.6	8.1	24.3	8.1	1.6
47.5°	0.0	1.6	9.7	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)