

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: P1316946

Luminaire Tested: LDSQA3D20R509740D010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316946
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: LDSQA3D20R509740D010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 97CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

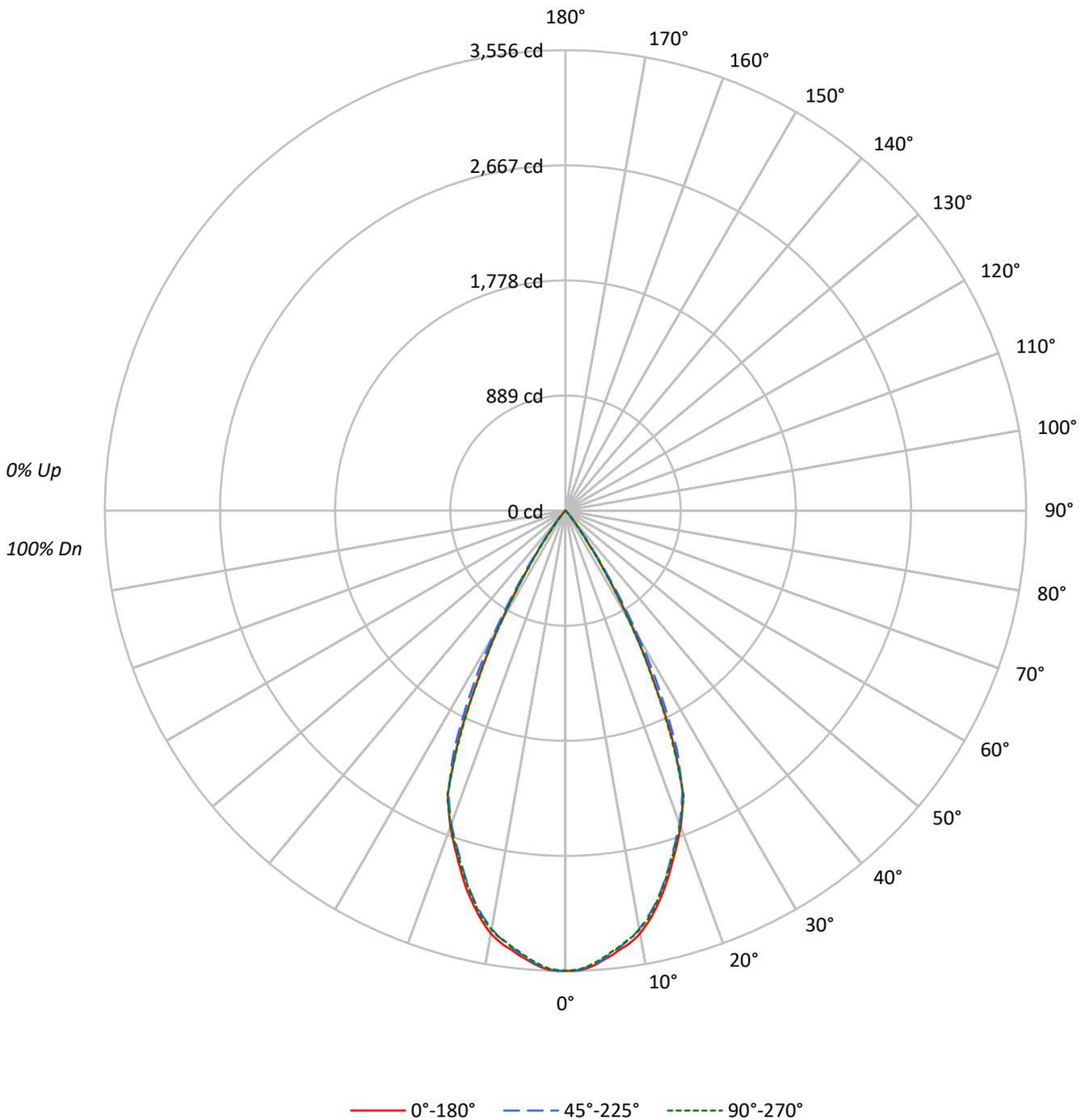
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2289.0 lumens
Efficiency: N/A
Efficacy: 79.5 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°	612183	612183	612183
5°	601503	599809	598115
10°	580110	573814	574951
15°	533646	526942	528386
20°	476535	472026	474720
25°	370875	386419	366827
30°	200894	224340	197314
35°	63347	75394	61959
40°	13984	19514	13242
45°	390	5992	390
50°	0	884	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: 5992 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	325.7	14.2
10°-20°	827.4	36.1
20°-30°	871.5	38.1
30°-40°	248.9	10.9
40°-50°	15.4	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°	2024.6	88.4
0°-40°	2273.5	99.3
0°-60°	2289.0	100.0
0°-90°	2289.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2289.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3555	3555	3555	3555	3555	
5°	3479	3476	3470	3466	3460	327
15°	2993	2973	2955	2960	2964	834
25°	1952	2024	2034	2011	1930	854
35°	301	323	359	304	295	235
45°	2	8	25	8	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°	3554.6	3554.6	3554.6	3554.6	3554.6
1°	3556.3	3557.9	3554.6	3557.9	3549.7
2°	3551.3	3548.1	3544.8	3546.4	3541.5
3°	3533.3	3531.7	3525.1	3526.8	3520.2
4°	3510.4	3505.5	3500.6	3497.3	3490.8
5°	3479.3	3476.0	3469.5	3466.2	3459.7
6°	3453.1	3446.6	3435.1	3431.8	3425.3
7°	3418.7	3415.4	3400.7	3397.4	3394.2
8°	3392.5	3382.7	3364.7	3366.3	3358.1
9°	3358.1	3345.0	3327.0	3327.0	3328.7
10°	3317.2	3297.6	3281.2	3286.1	3287.7
11°	3263.2	3250.1	3225.5	3237.0	3237.0
12°	3204.2	3187.9	3169.8	3179.7	3186.2
13°	3135.5	3122.4	3106.0	3115.8	3112.5
14°	3068.3	3043.8	3032.3	3045.4	3040.5
15°	2993.0	2973.4	2955.4	2960.3	2963.5
17.5°	2791.6	2770.3	2757.2	2758.9	2773.6
20°	2600.1	2591.9	2575.5	2582.0	2590.2
22.5°	2374.1	2377.4	2357.7	2362.6	2382.3
25°	1951.7	2023.7	2033.5	2010.6	1930.4
27.5°	1445.8	1553.8	1586.6	1534.2	1435.9
30°	1010.2	1039.7	1128.1	1028.2	992.2
32.5°	592.7	636.9	684.4	615.6	591.1
35°	301.3	322.6	358.6	304.5	294.7
37.5°	139.2	149.0	163.7	139.2	131.0
40°	62.2	73.7	86.8	70.4	58.9
42.5°	19.6	34.4	45.8	31.1	18.0
45°	1.6	8.2	24.6	8.2	1.6
47.5°	0.0	1.6	9.8	1.6	0.0
50°	0.0	0.0	3.3	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)