

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: P1308472

Luminaire Tested: LDSQA3D20R459027D010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308472
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R459027D010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R45 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

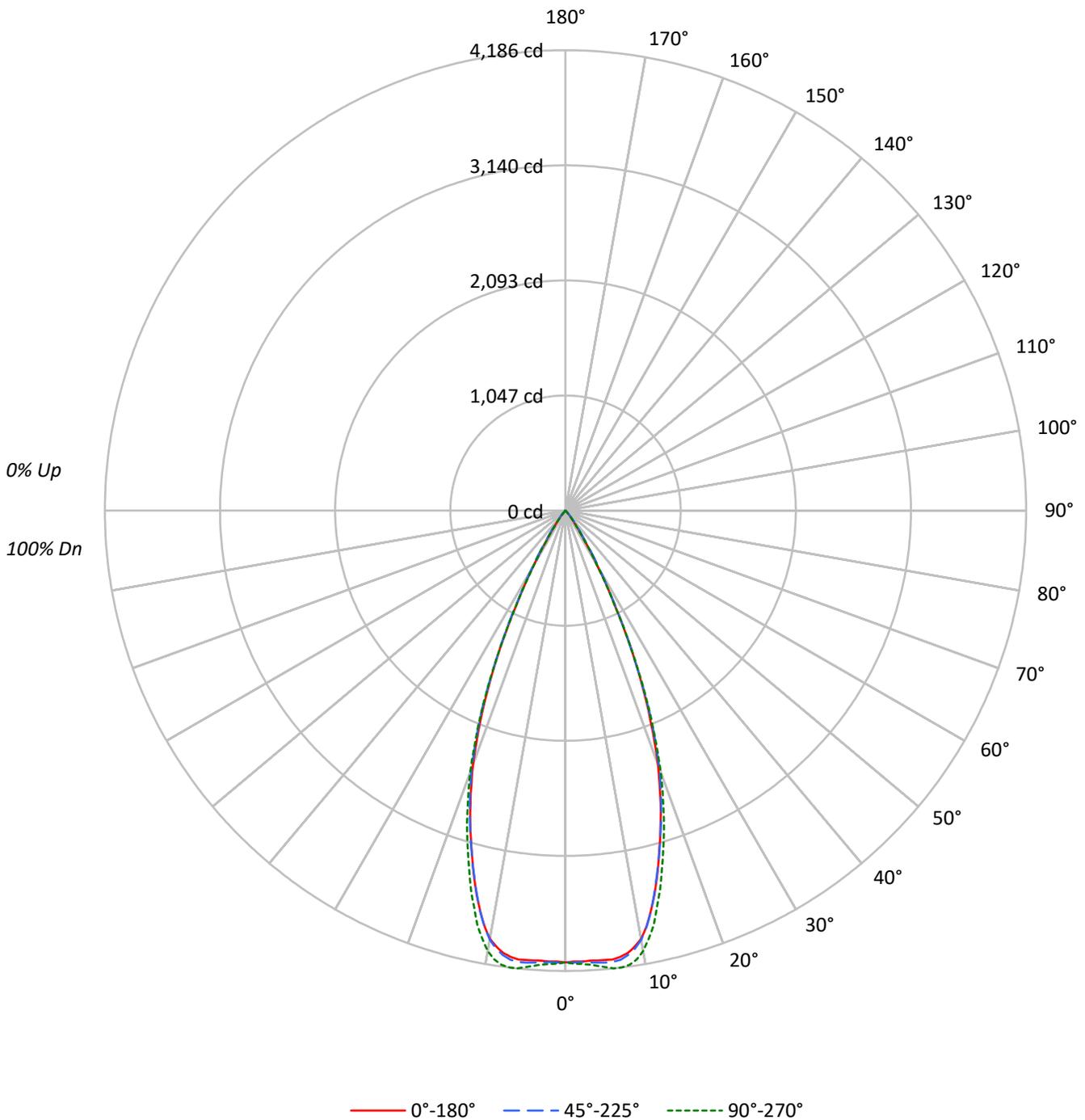
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2124.0 lumens
Efficiency: N/A
Efficacy: 73.8 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67
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				
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	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	97	95
2	110	106	103	100	108	104	101	99	101	99	96	98	96	94	95	94	92	92	92	92	91
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	88	88	88	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	84	84	84	83
5	98	91	86	83	96	90	86	82	88	85	82	87	83	81	85	82	80	80	80	80	79
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	77	77	77	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	73	73	73	72
8	87	79	75	71	86	79	74	71	78	74	71	77	73	70	76	73	70	70	70	70	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	67	67	67	67	66
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	65	65	65	64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	707525	707525	707525
5°	709139	713236	720324
10°	691386	692767	710990
15°	583284	583569	602701
20°	450253	456613	464145
25°	279320	279624	281429
30°	115223	122461	113353
35°	35847	43815	34522
40°	10994	15265	10297
45°	779	5772	779
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°	391.0	18.4
10°-20°	909.1	42.8
20°-30°	666.9	31.4
30°-40°	143.3	6.7
40°-50°	13.6	0.6
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°	1967.0	92.6
0°-40°	2110.3	99.4
0°-60°	2124.0	100.0
0°-90°	2124.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2124.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4108	4108	4108	4108	4108	
5°	4102	4113	4126	4154	4167	388
15°	3271	3265	3273	3325	3380	901
25°	1470	1465	1472	1472	1481	659
35°	170	183	208	178	164	134
45°	3	10	24	10	3	8
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°	4108.2	4108.2	4108.2	4108.2	4108.2
1°	4100.3	4109.8	4109.8	4116.1	4119.2
2°	4103.5	4109.8	4108.2	4119.2	4124.0
3°	4098.7	4109.8	4112.9	4125.6	4133.4
4°	4100.3	4109.8	4119.2	4138.2	4149.2
5°	4101.9	4112.9	4125.6	4154.0	4166.6
6°	4103.5	4111.3	4125.6	4161.9	4185.6
7°	4087.7	4098.7	4114.5	4160.3	4185.6
8°	4062.4	4068.7	4081.3	4141.3	4171.3
9°	4015.0	4013.5	4032.4	4098.7	4133.4
10°	3953.5	3934.5	3961.4	4027.7	4065.6
11°	3854.0	3833.5	3857.1	3928.2	3964.5
12°	3724.5	3724.5	3729.3	3792.4	3855.6
13°	3587.2	3571.4	3580.8	3651.9	3696.1
14°	3435.6	3419.8	3429.3	3483.0	3552.4
15°	3271.4	3265.1	3273.0	3325.1	3380.3
17.5°	2881.4	2867.2	2895.6	2947.7	2976.1
20°	2456.7	2480.4	2491.4	2524.6	2532.5
22.5°	1968.8	1994.1	2009.9	2014.6	2019.4
25°	1469.9	1465.2	1471.5	1471.5	1481.0
27.5°	966.3	966.3	983.6	972.6	961.5
30°	579.4	603.1	615.8	595.2	570.0
32.5°	315.8	339.5	360.0	330.0	307.9
35°	170.5	183.1	208.4	178.4	164.2
37.5°	93.2	104.2	120.0	101.0	93.2
40°	48.9	60.0	67.9	60.0	45.8
42.5°	15.8	30.0	39.5	30.0	14.2
45°	3.2	9.5	23.7	9.5	3.2
47.5°	0.0	1.6	11.1	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)