

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: P1307509

Luminaire Tested: LDSQA3D20R509024D010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307509
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: LDSQA3D20R509024D010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R50 optic, 2400K CCT AND, 90CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

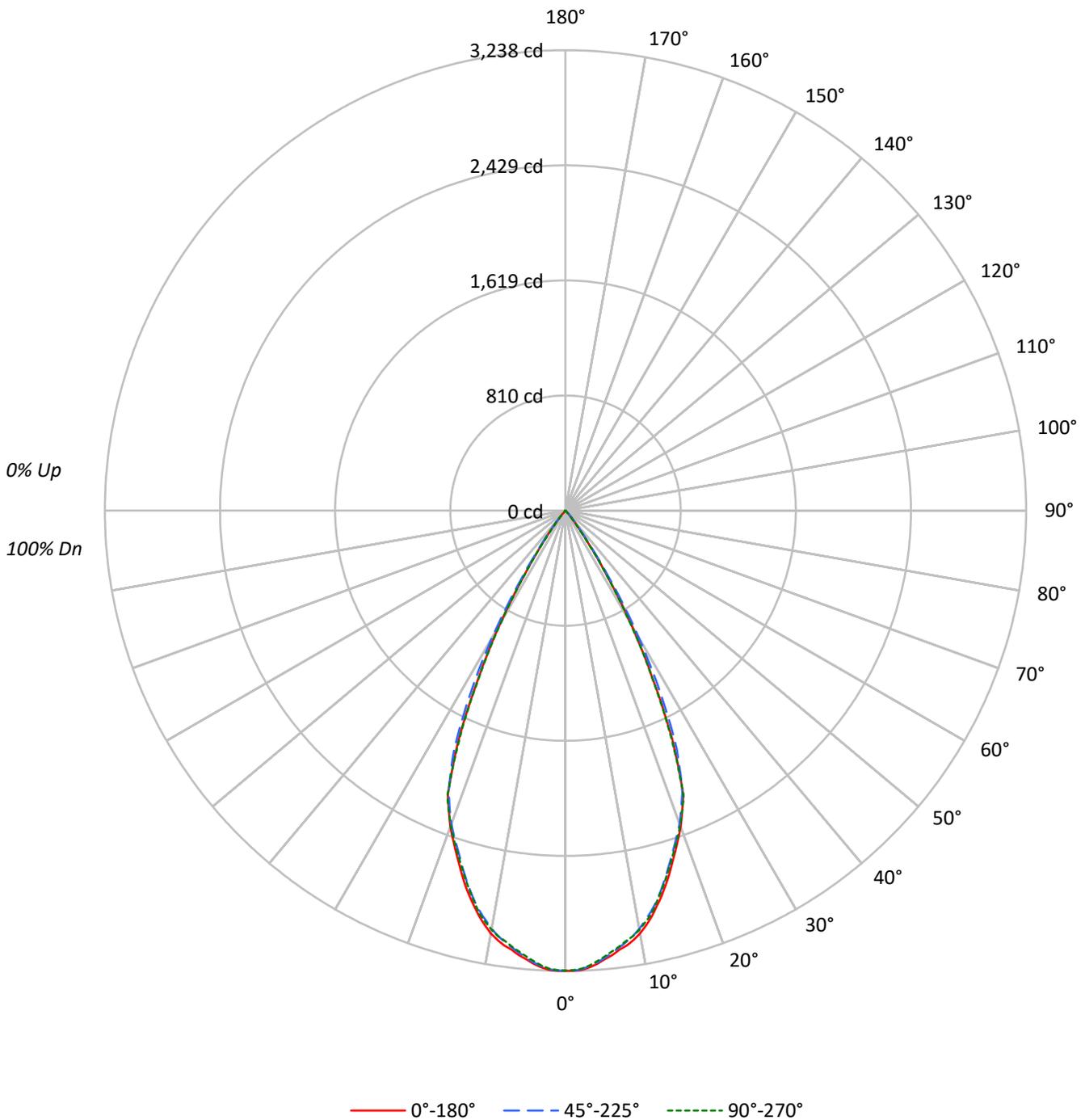
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2084.0 lumens
Efficiency: N/A
Efficacy: 72.4 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

TEST NUMBER: P1307509
CATALOG NUMBER: LDSQA3D20R509024D010 3LSQCDR1MB

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°	557364	557364	557364
5°	547634	546095	544539
10°	528153	522417	523467
15°	485862	479746	481066
20°	433850	429744	432219
25°	337658	351815	333972
30°	182917	204255	179655
35°	57670	68645	56409
40°	12725	17761	12073
45°	365	5456	365
50°	0	804	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: 5456 cd/sqm



TEST NUMBER: P1307509

CATALOG NUMBER: LDSQA3D20R509024D010 3LSQCDR1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	296.5	14.2
10°-20°	753.3	36.1
20°-30°	793.5	38.1
30°-40°	226.6	10.9
40°-50°	14.0	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°	1843.3	88.4
0°-40°	2069.9	99.3
0°-60°	2084.0	100.0
0°-90°	2084.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2084.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3236	3236	3236	3236	3236	
5°	3168	3165	3159	3156	3150	298
15°	2725	2707	2691	2695	2698	759
25°	1777	1842	1851	1831	1758	777
35°	274	294	326	277	268	214
45°	2	8	22	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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CATALOG NUMBER: LDSQA3D20R509024D010 3LSQCDR1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3236.3	3236.3	3236.3	3236.3	3236.3
1°	3237.8	3239.3	3236.3	3239.3	3231.8
2°	3233.3	3230.3	3227.3	3228.8	3224.3
3°	3216.9	3215.4	3209.4	3210.9	3205.0
4°	3196.0	3191.5	3187.1	3184.1	3178.1
5°	3167.7	3164.7	3158.8	3155.8	3149.8
6°	3143.8	3137.9	3127.4	3124.5	3118.5
7°	3112.5	3109.6	3096.1	3093.2	3090.2
8°	3088.7	3079.7	3063.4	3064.8	3057.4
9°	3057.4	3045.5	3029.1	3029.1	3030.6
10°	3020.1	3002.2	2987.3	2991.8	2993.3
11°	2970.9	2959.0	2936.6	2947.1	2947.1
12°	2917.3	2902.4	2886.0	2894.9	2900.9
13°	2854.7	2842.7	2827.8	2836.8	2833.8
14°	2793.5	2771.2	2760.7	2772.7	2768.2
15°	2725.0	2707.1	2690.7	2695.2	2698.1
17.5°	2541.6	2522.2	2510.3	2511.8	2525.2
20°	2367.2	2359.7	2344.8	2350.8	2358.3
22.5°	2161.5	2164.5	2146.6	2151.1	2168.9
25°	1776.9	1842.5	1851.4	1830.6	1757.5
27.5°	1316.3	1414.7	1444.5	1396.8	1307.3
30°	919.8	946.6	1027.1	936.1	903.4
32.5°	539.6	579.9	623.1	560.5	538.1
35°	274.3	293.7	326.5	277.3	268.3
37.5°	126.7	135.7	149.1	126.7	119.3
40°	56.6	67.1	79.0	64.1	53.7
42.5°	17.9	31.3	41.7	28.3	16.4
45°	1.5	7.5	22.4	7.5	1.5
47.5°	0.0	1.5	8.9	1.5	0.0
50°	0.0	0.0	3.0	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



TEST NUMBER: P1307509
CATALOG NUMBER: LDSQA3D20R509024D010 3LSQCDR1MB

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)