

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: P1314993

Luminaire Tested: LDSQA3D20R459730D010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

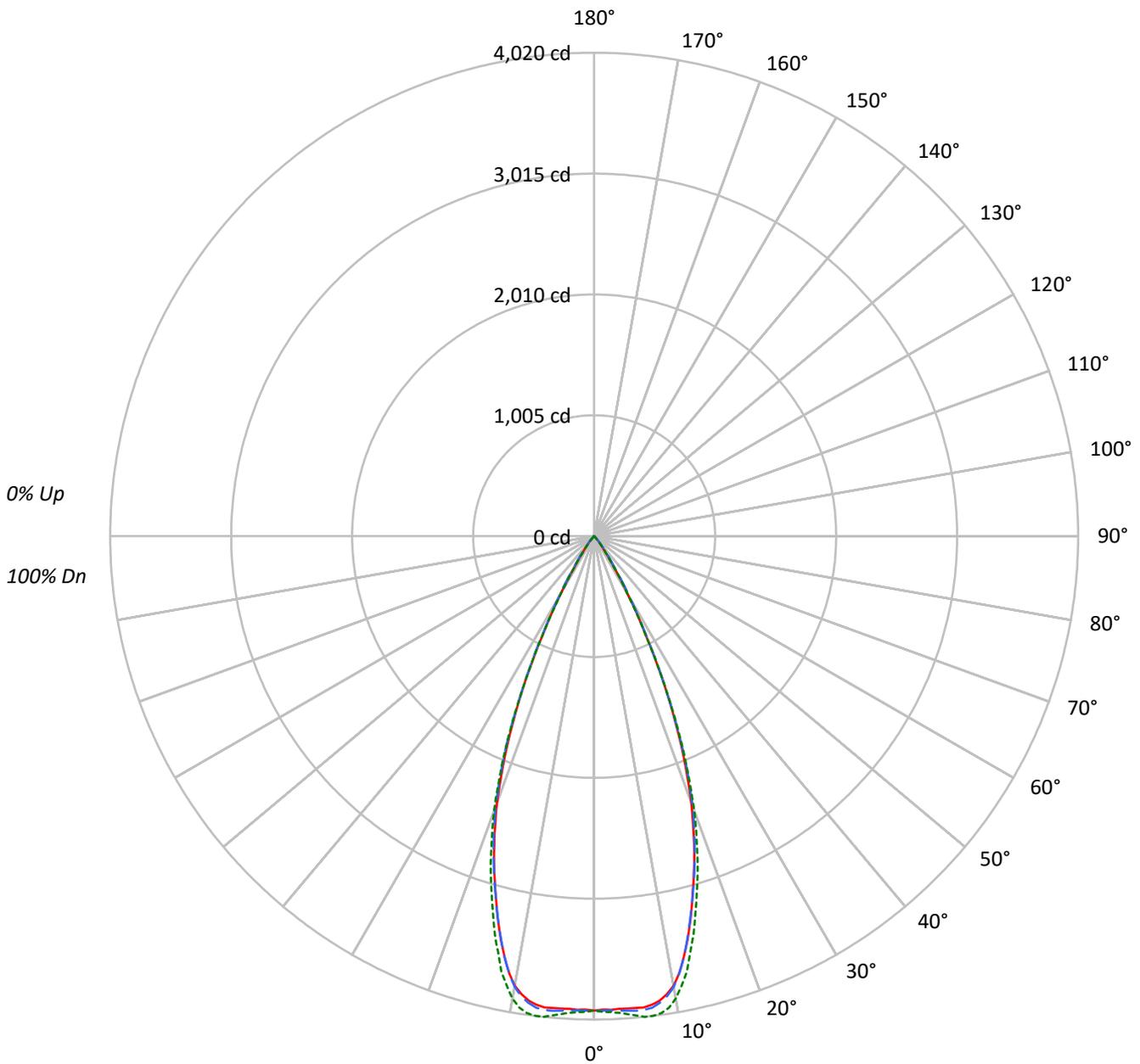
Test Method: LM-79-2019  
Report Number: P1314993  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R459730D010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R45 optic, 3000K CCT AND, 97CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2040.0 lumens  
Efficiency: N/A  
Efficacy: 70.8 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



— 0°-180°    - - 45°-225°    - - - 90°-270°



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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°	679539	679539	679539
5°	681097	685022	691833
10°	664035	665364	682869
15°	560212	560480	578862
20°	432439	438560	445781
25°	268280	268565	270294
30°	110669	117609	108859
35°	34438	42091	33156
40°	10567	14658	9892
45°	731	5529	731
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: 5529 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	375.5	18.4
10°-20°	873.1	42.8
20°-30°	640.5	31.4
30°-40°	137.6	6.7
40°-50°	13.1	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°	1889.2	92.6
0°-40°	2026.8	99.4
0°-60°	2040.0	100.0
0°-90°	2040.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2040.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3946	3946	3946	3946	3946	
5°	3940	3950	3962	3990	4002	373
15°	3142	3136	3144	3194	3247	865
25°	1412	1407	1413	1413	1422	633
35°	164	176	200	171	158	129
45°	3	9	23	9	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°	3945.7	3945.7	3945.7	3945.7	3945.7
1°	3938.1	3947.2	3947.2	3953.3	3956.3
2°	3941.2	3947.2	3945.7	3956.3	3960.9
3°	3936.6	3947.2	3950.3	3962.4	3970.0
4°	3938.1	3947.2	3956.3	3974.5	3985.1
5°	3939.7	3950.3	3962.4	3989.7	4001.8
6°	3941.2	3948.7	3962.4	3997.3	4020.0
7°	3926.0	3936.6	3951.8	3995.8	4020.0
8°	3901.7	3907.8	3919.9	3977.6	4006.4
9°	3856.2	3854.7	3872.9	3936.6	3970.0
10°	3797.1	3778.9	3804.7	3868.4	3904.8
11°	3701.6	3681.9	3704.6	3772.8	3807.7
12°	3577.2	3577.2	3581.8	3642.4	3703.1
13°	3445.3	3430.1	3439.2	3507.5	3549.9
14°	3299.7	3284.6	3293.7	3345.2	3411.9
15°	3142.0	3135.9	3143.5	3193.6	3246.6
17.5°	2767.5	2753.8	2781.1	2831.1	2858.4
20°	2359.5	2382.3	2392.9	2424.8	2432.3
22.5°	1891.0	1915.2	1930.4	1934.9	1939.5
25°	1411.8	1407.2	1413.3	1413.3	1422.4
27.5°	928.0	928.0	944.7	934.1	923.5
30°	556.5	579.3	591.4	571.7	547.4
32.5°	303.3	326.0	345.7	316.9	295.7
35°	163.8	175.9	200.2	171.4	157.7
37.5°	89.5	100.1	115.2	97.1	89.5
40°	47.0	57.6	65.2	57.6	44.0
42.5°	15.2	28.8	37.9	28.8	13.6
45°	3.0	9.1	22.7	9.1	3.0
47.5°	0.0	1.5	10.6	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



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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)