

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: P1314282

Luminaire Tested: LDSQA3D05R159730DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1314282  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R159730DE010 3LSQPHRL1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 97CRI , 3LSQPHRL1MW TRIM  
Light Source: -  
Ballast/Driver: -

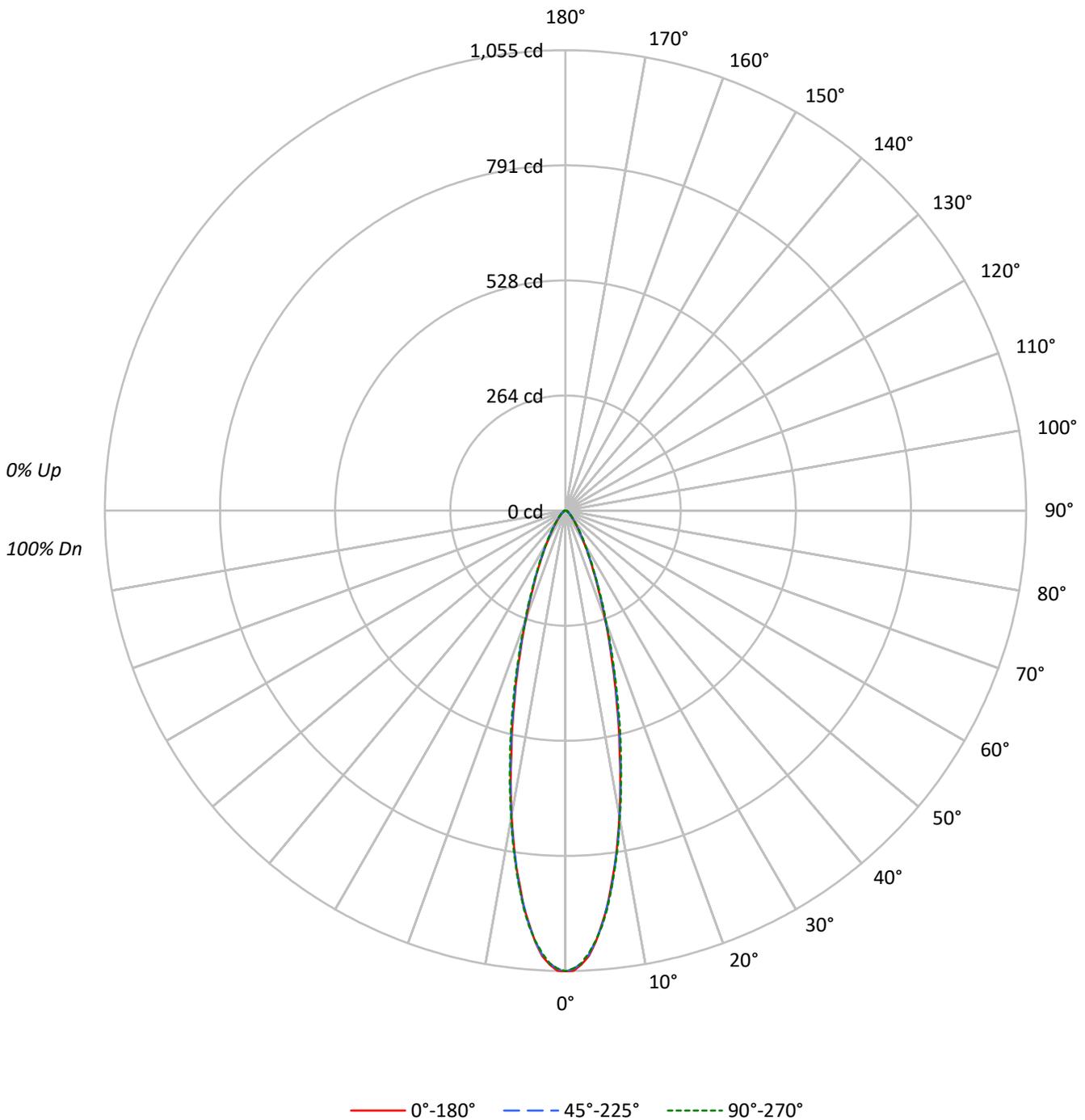
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 349.0 lumens  
Efficiency: N/A  
Efficacy: 48.5 lumens/watt  
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	96	96	96	94
2	109	104	101	97	107	103	99	96	99	97	94	97	94	92	94	92	90	90	90	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	85	85	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	81	81	81	80
5	96	88	83	79	94	87	83	79	86	82	78	84	80	78	83	79	77	77	77	77	76
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	73	73	73	72
7	88	80	75	71	87	80	75	71	79	74	71	77	74	71	76	73	70	70	70	70	69
8	85	77	72	68	84	76	72	68	75	71	68	74	70	68	74	70	67	67	67	67	66
9	82	74	69	65	81	73	69	65	73	68	65	72	68	65	71	67	65	65	65	65	64
10	79	71	66	63	78	71	66	63	70	66	63	69	65	62	69	65	62	62	62	62	61

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	181764	181764	181764
5°	164634	164945	165170
10°	124287	124602	125231
15°	80626	81500	83105
20°	48531	49118	49778
25°	28352	28960	29378
30°	16665	17202	17460
35°	10260	10638	10828
40°	6745	6947	7059
45°	4701	4798	4920
50°	3483	3590	3724
55°	2822	2973	2973
60°	2480	2480	2480
65°	2201	2201	2201
70°	1813	2014	2014
75°	1797	1797	1797
80°	1289	1785	1785
85°	790	790	790

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°  
 Vertical Angle: 45°  
 Luminance: 4920 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	83.1	23.8
10°-20°	127.1	36.4
20°-30°	72.2	20.7
30°-40°	33.0	9.4
40°-50°	15.8	4.5
50°-60°	8.9	2.5
60°-70°	5.4	1.6
70°-80°	2.9	0.8
80°-90°	0.6	0.2
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°	282.5	80.9
0°-40°	315.4	90.4
0°-60°	340.1	97.5
0°-90°	349.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	349.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1055	1055	1055	1055	1055	
5°	952	952	954	954	955	83
15°	452	454	457	463	466	125
25°	149	149	152	154	155	71
35°	49	50	51	52	52	32
45°	19	19	20	20	20	15
55°	9	9	10	10	10	9
65°	5	5	5	5	5	5
75°	3	3	3	3	3	3
85°	0	0	0	0	0	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1055.4	1055.4	1055.4	1055.4	1055.4
1°	1054.5	1051.8	1050.9	1050.4	1049.5
2°	1041.0	1038.8	1038.3	1038.3	1037.9
3°	1022.2	1018.2	1018.6	1017.3	1015.9
4°	990.4	988.6	989.5	990.4	988.6
5°	952.3	951.8	954.1	954.1	955.4
6°	912.8	912.4	911.1	914.6	916.4
7°	862.7	865.3	868.9	867.1	868.5
8°	816.9	813.8	815.2	819.6	820.1
9°	763.2	760.9	766.8	768.5	769.0
10°	710.7	713.0	712.5	718.8	716.1
12.5°	574.1	577.6	581.7	584.4	587.1
15°	452.2	454.4	457.1	463.4	466.1
17.5°	347.8	350.4	353.1	358.5	359.4
20°	264.8	266.2	268.0	272.9	271.6
22.5°	198.1	200.3	202.1	204.3	205.7
25°	149.2	149.2	152.4	153.7	154.6
27.5°	111.1	112.0	114.3	116.1	115.6
30°	83.8	85.1	86.5	87.4	87.8
32.5°	64.5	64.5	65.9	67.2	67.7
35°	48.8	49.7	50.6	51.5	51.5
37.5°	38.1	38.5	39.4	39.9	39.9
40°	30.0	30.0	30.9	31.4	31.4
42.5°	23.8	24.2	24.6	25.1	25.1
45°	19.3	19.3	19.7	20.2	20.2
47.5°	15.7	15.7	16.1	16.6	16.6
50°	13.0	13.4	13.4	13.9	13.9
52.5°	11.2	11.2	11.2	11.7	11.7
55°	9.4	9.4	9.9	9.9	9.9
57.5°	8.1	8.1	8.1	8.5	8.5
60°	7.2	7.2	7.2	7.2	7.2
62.5°	6.3	6.3	6.3	6.3	6.3
65°	5.4	5.4	5.4	5.4	5.4
67.5°	4.5	4.5	4.5	4.9	4.9
70°	3.6	4.0	4.0	4.0	4.0
72.5°	3.1	3.1	3.1	3.1	3.1
75°	2.7	2.7	2.7	2.7	2.7
77.5°	2.2	2.2	2.2	2.2	2.2
80°	1.3	1.8	1.8	1.8	1.8
82.5°	0.9	0.9	0.9	0.9	0.9
85°	0.4	0.4	0.4	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)