

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: P1318022

Luminaire Tested: LDSQA3D05R159830DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1318022  
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: LDSQA3D05R159830DE010 3LSQPHRL1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 98CRI , 3LSQPHRL1MW TRIM  
Light Source: -  
Ballast/Driver: -

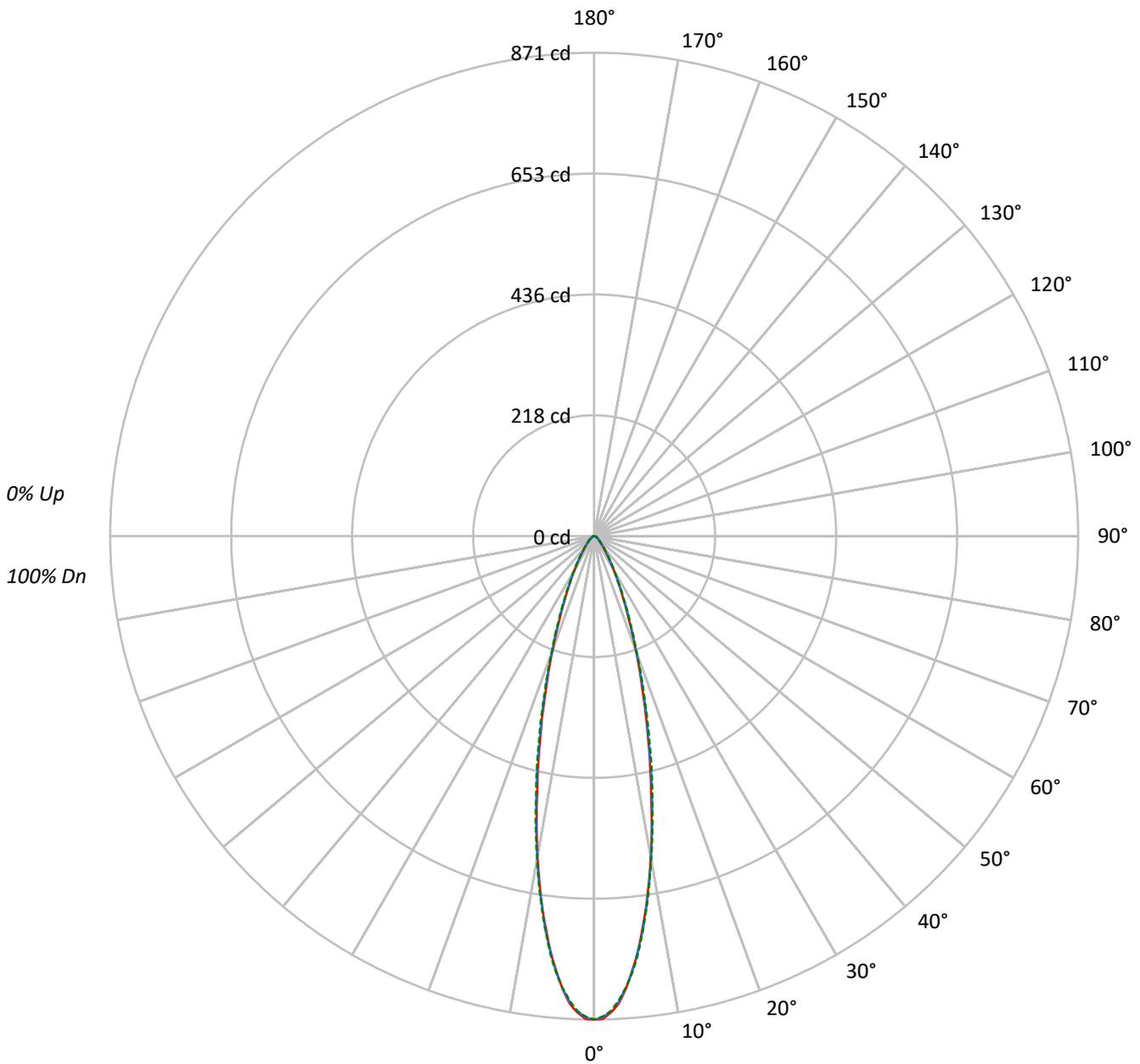
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 288.0 lumens  
Efficiency: N/A  
Efficacy: 40.0 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 (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: P1318022  
CATALOG NUMBER: LDSQA3D05R159830DE010 3LSQPHRL1MW

### Luminous Intensity Polar Plot



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



TEST NUMBER: P1318022

CATALOG NUMBER: LDSQA3D05R159830DE010 3LSQPHRL1MW

**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	71	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°	149989	149989	149989
5°	135849	136109	136299
10°	102567	102829	103354
15°	66523	67254	68573
20°	40064	40522	41072
25°	23392	23886	24247
30°	13761	14199	14418
35°	8473	8788	8935
40°	5576	5733	5823
45°	3873	3970	4043
50°	2867	2974	3081
55°	2342	2432	2432
60°	2032	2032	2032
65°	1793	1793	1793
70°	1511	1662	1662
75°	1464	1464	1464
80°	1091	1488	1488
85°	790	790	790

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°  
 Vertical Angle: 45°  
 Luminance: 4043 cd/sqm



TEST NUMBER: P1318022

CATALOG NUMBER: LDSQA3D05R159830DE010 3LSQPHRL1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	68.6	23.8
10°-20°	104.9	36.4
20°-30°	59.6	20.7
30°-40°	27.2	9.4
40°-50°	13.0	4.5
50°-60°	7.3	2.5
60°-70°	4.5	1.5
70°-80°	2.4	0.8
80°-90°	0.5	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°	233.1	80.9
0°-40°	260.3	90.4
0°-60°	280.6	97.5
0°-90°	288.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	288.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	871	871	871	871	871	
5°	786	786	787	787	788	69
15°	373	375	377	382	385	104
25°	123	123	126	127	128	58
35°	40	41	42	42	42	26
45°	16	16	16	17	17	13
55°	8	8	8	8	8	7
65°	4	4	4	4	4	4
75°	2	2	2	2	2	2
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P1318022  
 CATALOG NUMBER: LDSQA3D05R159830DE010 3LSQPHRL1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	870.9	870.9	870.9	870.9	870.9
1°	870.2	867.9	867.2	866.8	866.1
2°	859.1	857.2	856.8	856.8	856.5
3°	843.5	840.2	840.6	839.5	838.4
4°	817.3	815.8	816.5	817.3	815.8
5°	785.8	785.5	787.3	787.3	788.4
6°	753.3	752.9	751.8	754.8	756.3
7°	711.9	714.1	717.1	715.6	716.7
8°	674.2	671.6	672.7	676.4	676.7
9°	629.8	627.9	632.7	634.2	634.6
10°	586.5	588.4	588.0	593.2	591.0
12.5°	473.7	476.7	480.0	482.2	484.4
15°	373.1	375.0	377.2	382.4	384.6
17.5°	287.0	289.2	291.4	295.8	296.6
20°	218.6	219.7	221.1	225.2	224.1
22.5°	163.5	165.3	166.8	168.6	169.7
25°	123.1	123.1	125.7	126.8	127.6
27.5°	91.7	92.5	94.3	95.8	95.4
30°	69.2	70.3	71.4	72.1	72.5
32.5°	53.3	53.3	54.4	55.5	55.8
35°	40.3	41.0	41.8	42.5	42.5
37.5°	31.4	31.8	32.5	32.9	32.9
40°	24.8	24.8	25.5	25.9	25.9
42.5°	19.6	20.0	20.3	20.7	20.7
45°	15.9	15.9	16.3	16.6	16.6
47.5°	12.9	12.9	13.3	13.7	13.7
50°	10.7	11.1	11.1	11.5	11.5
52.5°	9.2	9.2	9.2	9.6	9.6
55°	7.8	7.8	8.1	8.1	8.1
57.5°	6.7	6.7	6.7	7.0	7.0
60°	5.9	5.9	5.9	5.9	5.9
62.5°	5.2	5.2	5.2	5.2	5.2
65°	4.4	4.4	4.4	4.4	4.4
67.5°	3.7	3.7	3.7	4.1	4.1
70°	3.0	3.3	3.3	3.3	3.3
72.5°	2.6	2.6	2.6	2.6	2.6
75°	2.2	2.2	2.2	2.2	2.2
77.5°	1.8	1.8	1.8	1.8	1.8
80°	1.1	1.5	1.5	1.5	1.5
82.5°	0.7	0.7	0.7	0.7	0.7
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)