

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: P1307112

Luminaire Tested: LDSQA3D13R159024DE010 3LSQPHRL1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307112  
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: LDSQA3D13R159024DE010 3LSQPHRL1MB  
Description: 3in Adjustable LED luminaire with, R15 optic, 2400K CCT AND, 90CRI , 3LSQPHRL1MB TRIM  
Light Source: -  
Ballast/Driver: -

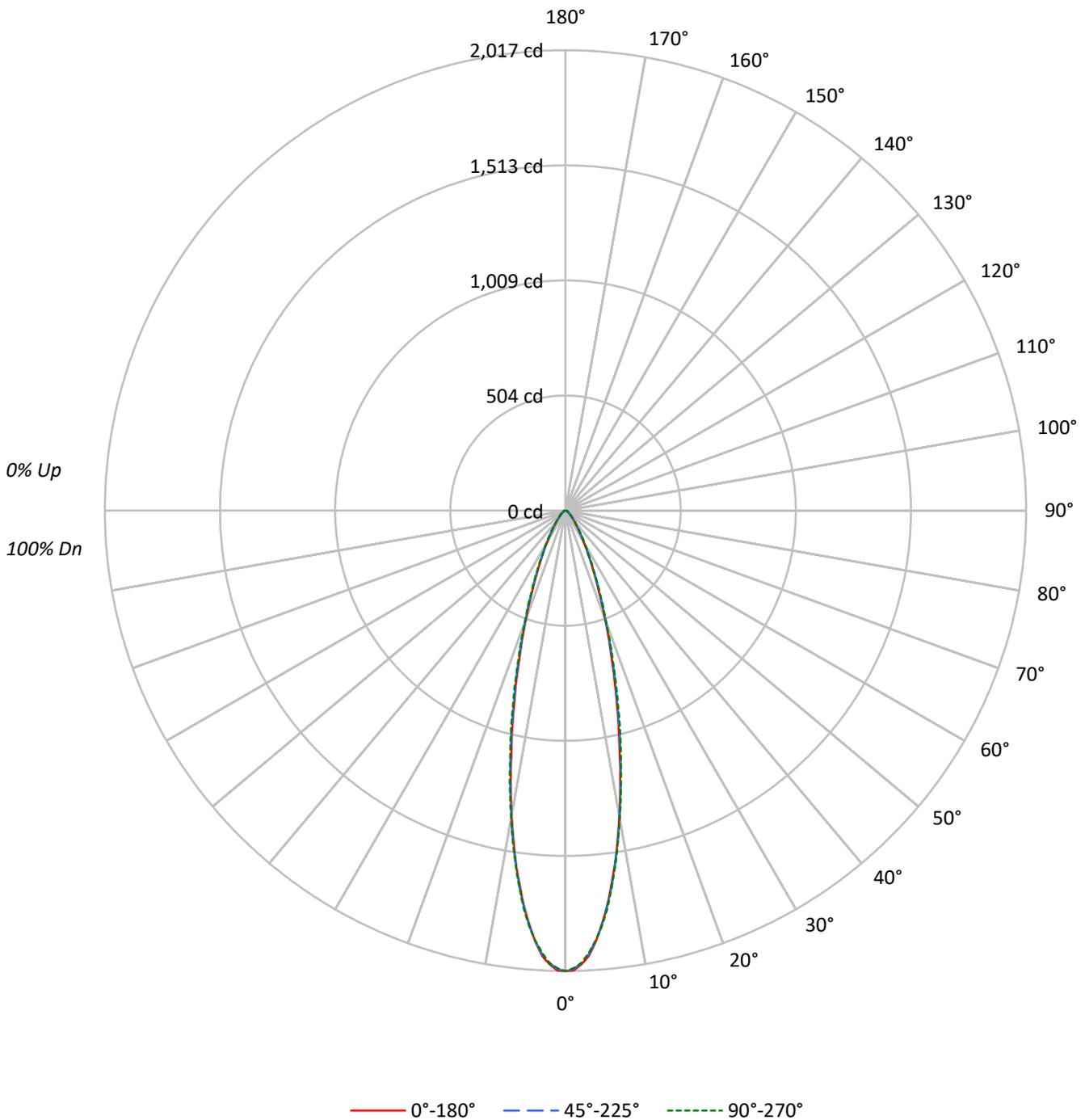
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 667.0 lumens  
Efficiency: N/A  
Efficacy: 45.7 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): 14.6  
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				
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°	347373	347373	347373
5°	314643	315230	315680
10°	237539	238151	239340
15°	154085	155761	158810
20°	92774	93874	95120
25°	54196	55336	56153
30°	31858	32872	33390
35°	19637	20352	20709
40°	12905	13287	13489
45°	8963	9182	9377
50°	6645	6886	7127
55°	5405	5645	5645
60°	4719	4719	4719
65°	4197	4197	4197
70°	3474	3877	3877
75°	3394	3394	3394
80°	2579	3372	3372
85°	1778	1778	1778

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°  
 Vertical Angle: 45°  
 Luminance: 9377 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	158.9	23.8
10°-20°	242.9	36.4
20°-30°	138.1	20.7
30°-40°	63.0	9.4
40°-50°	30.2	4.5
50°-60°	16.9	2.5
60°-70°	10.3	1.6
70°-80°	5.5	0.8
80°-90°	1.2	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°	539.9	80.9
0°-40°	602.9	90.4
0°-60°	650.0	97.4
0°-90°	667.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	667.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2017	2017	2017	2017	2017	
5°	1820	1819	1823	1823	1826	159
15°	864	868	874	886	891	240
25°	285	285	291	294	296	135
35°	93	95	97	98	98	61
45°	37	37	38	38	38	29
55°	18	18	19	19	19	17
65°	10	10	10	10	10	10
75°	5	5	5	5	5	5
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2017.0	2017.0	2017.0	2017.0	2017.0
1°	2015.3	2010.1	2008.4	2007.5	2005.8
2°	1989.6	1985.3	1984.4	1984.4	1983.6
3°	1953.6	1945.9	1946.7	1944.2	1941.6
4°	1892.8	1889.4	1891.1	1892.8	1889.4
5°	1820.0	1819.1	1823.4	1823.4	1826.0
6°	1744.6	1743.8	1741.2	1748.0	1751.5
7°	1648.7	1653.8	1660.7	1657.3	1659.8
8°	1561.3	1555.3	1557.9	1566.5	1567.3
9°	1458.6	1454.3	1465.4	1468.8	1469.7
10°	1358.3	1362.6	1361.8	1373.8	1368.6
12.5°	1097.1	1104.0	1111.7	1116.8	1122.0
15°	864.2	868.5	873.6	885.6	890.7
17.5°	664.6	669.8	674.9	685.2	686.9
20°	506.2	508.7	512.2	521.6	519.0
22.5°	378.6	382.8	386.3	390.5	393.1
25°	285.2	285.2	291.2	293.8	295.5
27.5°	212.4	214.1	218.4	221.8	221.0
30°	160.2	162.7	165.3	167.0	167.9
32.5°	123.3	123.3	125.9	128.5	129.3
35°	93.4	95.1	96.8	98.5	98.5
37.5°	72.8	73.7	75.4	76.2	76.2
40°	57.4	57.4	59.1	60.0	60.0
42.5°	45.4	46.2	47.1	48.0	48.0
45°	36.8	36.8	37.7	38.5	38.5
47.5°	30.0	30.0	30.8	31.7	31.7
50°	24.8	25.7	25.7	26.6	26.6
52.5°	21.4	21.4	21.4	22.3	22.3
55°	18.0	18.0	18.8	18.8	18.8
57.5°	15.4	15.4	15.4	16.3	16.3
60°	13.7	13.7	13.7	13.7	13.7
62.5°	12.0	12.0	12.0	12.0	12.0
65°	10.3	10.3	10.3	10.3	10.3
67.5°	8.6	8.6	8.6	9.4	9.4
70°	6.9	7.7	7.7	7.7	7.7
72.5°	6.0	6.0	6.0	6.0	6.0
75°	5.1	5.1	5.1	5.1	5.1
77.5°	4.3	4.3	4.3	4.3	4.3
80°	2.6	3.4	3.4	3.4	3.4
82.5°	1.7	1.7	1.7	1.7	1.7
85°	0.9	0.9	0.9	0.9	0.9
87.5°	0.0	0.0	0.0	0.0	0.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)