

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: P1307127

Luminaire Tested: LDSQA3D13R209024DE010 3LSQPHRL1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307127  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R209024DE010 3LSQPHRL1MMS  
Description: 3in Adjustable LED luminaire with, R20 optic, 2400K CCT AND, 90CRI , 3LSQPHRL1MMS TRIM  
Light Source: -  
Ballast/Driver: -

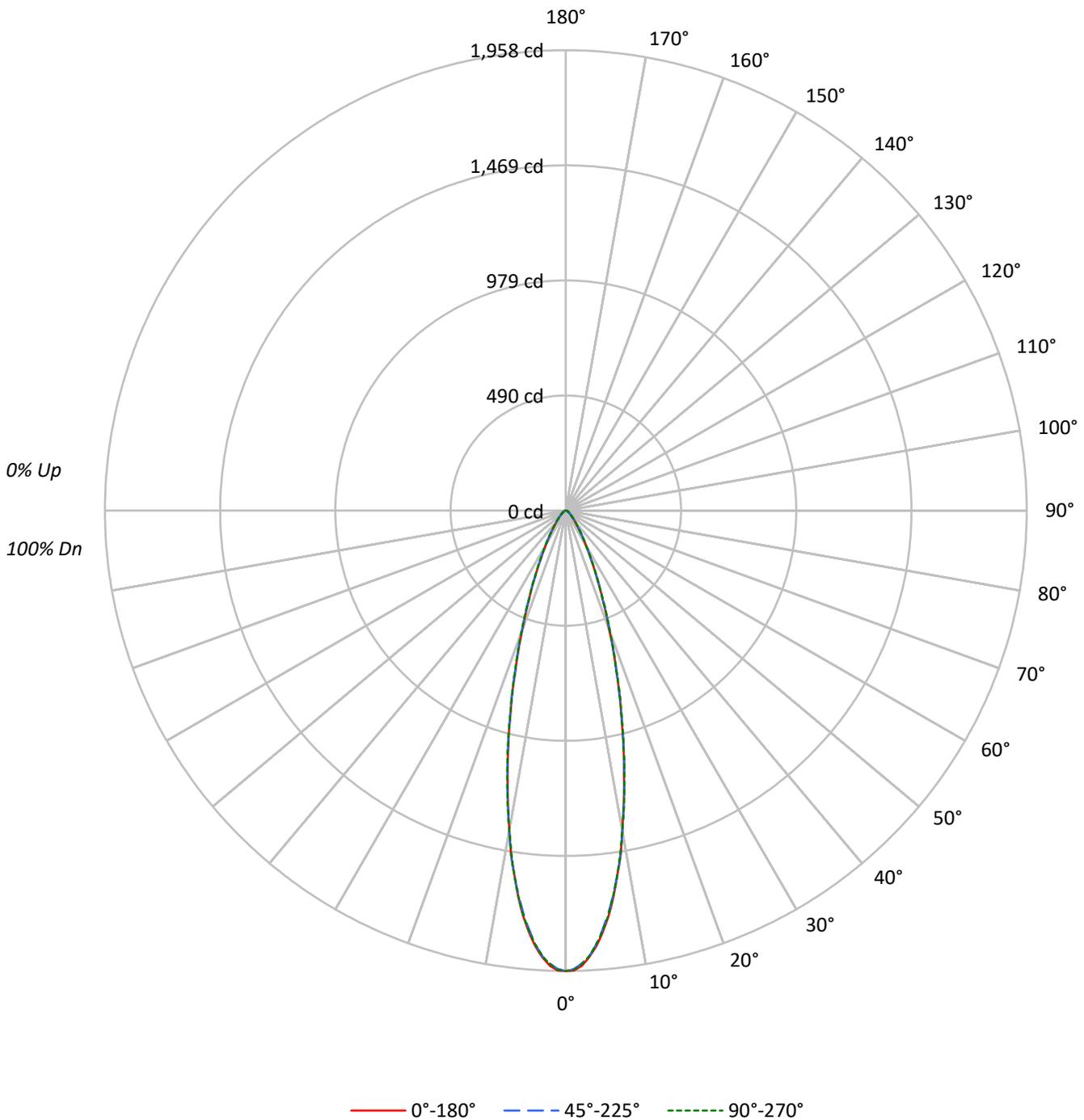
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 688.0 lumens  
Efficiency: N/A  
Efficacy: 47.1 lumens/watt  
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5  
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	96	94	92	94	92	90	94	92	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	90	87	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	86	83	81	79
5	96	88	83	79	94	87	82	79	86	81	78	84	80	77	82	79	77	82	79	77	75
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	79	76	73	72
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	76	73	70	69
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	73	70	67	66
9	82	74	69	65	81	73	68	65	72	68	65	71	67	65	71	67	64	71	67	64	63
10	79	71	66	62	78	70	66	62	70	65	62	69	65	62	68	65	62	68	65	62	61

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

	0°	45°	90°
0°	337177	337177	337177
5°	311047	309283	310321
10°	241386	241683	241683
15°	163143	163909	163909
20°	99079	100343	100820
25°	58129	58946	58775
30°	33907	34583	34762
35°	20709	21256	21256
40°	13489	13669	13871
45°	9401	9596	9815
50°	6886	7127	7127
55°	5405	5645	5645
60°	4719	4719	5029
65°	4197	4197	4523
70°	3877	3877	3877
75°	3394	3394	3394
80°	2579	2579	3372
85°	1778	1778	3359

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 9815 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	157.9	22.9
10°-20°	252.8	36.7
20°-30°	146.4	21.3
30°-40°	65.6	9.5
40°-50°	31.1	4.5
50°-60°	17.0	2.5
60°-70°	10.3	1.5
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°	557.1	81.0
0°-40°	622.7	90.5
0°-60°	670.9	97.5
0°-90°	688.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	688.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1958	1958	1958	1958	1958	
5°	1799	1793	1789	1792	1795	158
15°	915	915	919	915	919	252
25°	306	306	310	308	309	145
35°	98	99	101	102	101	64
45°	39	39	39	39	40	30
55°	18	18	19	19	19	17
65°	10	10	10	10	11	10
75°	5	5	5	5	5	5
85°	1	1	1	1	2	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1957.8	1957.8	1957.8	1957.8	1957.8
1°	1956.9	1951.8	1950.0	1948.3	1953.5
2°	1937.2	1931.2	1927.8	1929.5	1930.3
3°	1902.1	1898.6	1898.6	1896.1	1897.8
4°	1856.7	1849.8	1849.8	1850.7	1850.7
5°	1799.2	1793.3	1789.0	1792.4	1795.0
6°	1735.0	1727.3	1723.9	1724.7	1730.7
7°	1656.2	1645.9	1647.6	1651.9	1651.9
8°	1567.1	1566.2	1567.9	1566.2	1567.9
9°	1484.8	1472.8	1483.1	1474.5	1478.8
10°	1380.3	1379.4	1382.0	1384.6	1382.0
12.5°	1142.1	1146.4	1148.1	1144.7	1152.4
15°	915.0	915.0	919.3	915.0	919.3
17.5°	712.0	711.1	714.6	711.1	716.3
20°	540.6	546.6	547.5	547.5	550.1
22.5°	407.8	407.8	411.3	412.1	410.4
25°	305.9	305.9	310.2	307.6	309.3
27.5°	226.2	227.9	231.3	233.0	233.0
30°	170.5	171.4	173.9	174.8	174.8
32.5°	128.5	130.2	131.9	132.8	133.7
35°	98.5	99.4	101.1	102.0	101.1
37.5°	75.4	76.3	78.0	78.8	78.8
40°	60.0	60.0	60.8	61.7	61.7
42.5°	47.1	48.0	48.0	48.8	48.8
45°	38.6	38.6	39.4	39.4	40.3
47.5°	30.8	30.8	31.7	32.6	32.6
50°	25.7	25.7	26.6	26.6	26.6
52.5°	21.4	21.4	22.3	22.3	22.3
55°	18.0	18.0	18.8	18.8	18.8
57.5°	15.4	15.4	16.3	16.3	16.3
60°	13.7	13.7	13.7	13.7	14.6
62.5°	12.0	12.0	12.0	12.0	12.0
65°	10.3	10.3	10.3	10.3	11.1
67.5°	8.6	8.6	8.6	8.6	9.4
70°	7.7	7.7	7.7	7.7	7.7
72.5°	6.0	6.0	6.0	6.9	6.9
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	2.6	2.6	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	1.7
87.5°	0.0	0.0	0.0	0.9	0.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)