

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: P1309218

Luminaire Tested: LDSQA3D13R209030DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309218  
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: LDSQA3D13R209030DE010 3LSQPHRL1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 90CRI , 3LSQPHRL1MW TRIM  
Light Source: -  
Ballast/Driver: -

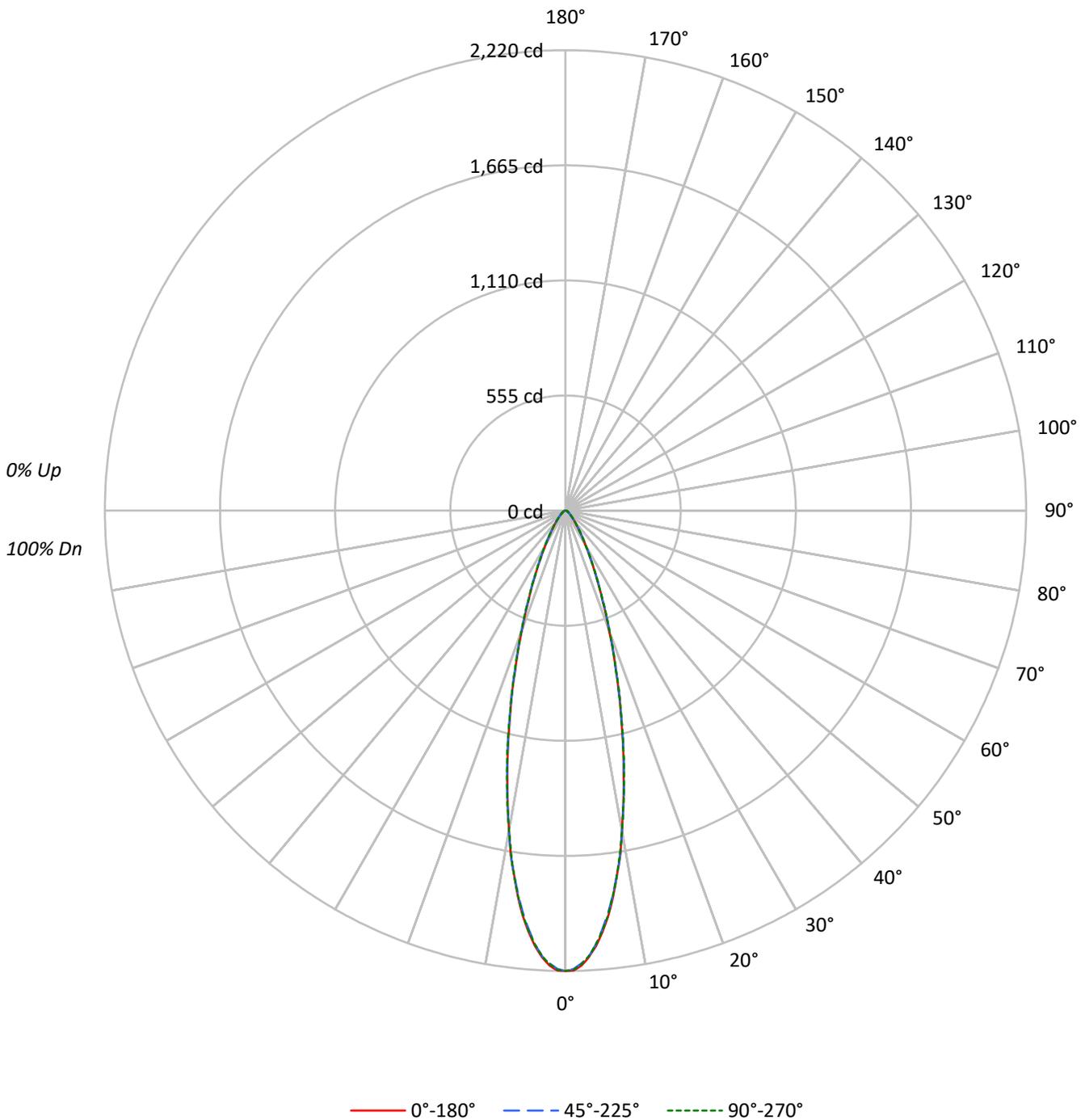
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 780.0 lumens  
Efficiency: N/A  
Efficacy: 53.4 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 (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





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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°	382248	382248	382248
5°	352642	350636	351812
10°	273669	274001	274001
15°	184966	185840	185840
20°	112330	113759	114291
25°	65901	66813	66642
30°	38441	39216	39415
35°	23484	24094	24094
40°	15288	15513	15715
45°	10644	10887	11131
50°	7797	8065	8065
55°	6125	6426	6426
60°	5339	5339	5683
65°	4768	4768	5135
70°	4381	4381	4381
75°	3859	3859	3859
80°	2876	2876	3868
85°	1976	1976	3754

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 11131 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	179.0	22.9
10°-20°	286.6	36.7
20°-30°	166.0	21.3
30°-40°	74.4	9.5
40°-50°	35.3	4.5
50°-60°	19.3	2.5
60°-70°	11.7	1.5
70°-80°	6.3	0.8
80°-90°	1.4	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
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0°-30°	631.6	81.0
0°-40°	706.0	90.5
0°-60°	760.6	97.5
0°-90°	780.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	780.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2220	2220	2220	2220	2220	
5°	2040	2033	2028	2032	2035	179
15°	1037	1037	1042	1037	1042	286
25°	347	347	352	349	351	164
35°	112	113	115	116	115	73
45°	44	44	45	45	46	35
55°	20	20	21	21	21	19
65°	12	12	12	12	13	12
75°	6	6	6	6	6	6
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°	2219.5	2219.5	2219.5	2219.5	2219.5
1°	2218.6	2212.7	2210.8	2208.9	2214.7
2°	2196.2	2189.4	2185.5	2187.5	2188.5
3°	2156.4	2152.5	2152.5	2149.6	2151.6
4°	2104.9	2097.2	2097.2	2098.1	2098.1
5°	2039.8	2033.0	2028.2	2032.1	2035.0
6°	1967.0	1958.3	1954.4	1955.3	1962.1
7°	1877.6	1866.0	1867.9	1872.8	1872.8
8°	1776.6	1775.6	1777.6	1775.6	1777.6
9°	1683.4	1669.8	1681.4	1671.7	1676.6
10°	1564.9	1563.9	1566.8	1569.7	1566.8
12.5°	1294.8	1299.7	1301.6	1297.7	1306.5
15°	1037.4	1037.4	1042.3	1037.4	1042.3
17.5°	807.2	806.2	810.1	806.2	812.1
20°	612.9	619.7	620.7	620.7	623.6
22.5°	462.4	462.4	466.3	467.2	465.3
25°	346.8	346.8	351.6	348.7	350.7
27.5°	256.4	258.4	262.3	264.2	264.2
30°	193.3	194.3	197.2	198.2	198.2
32.5°	145.7	147.6	149.6	150.6	151.5
35°	111.7	112.7	114.6	115.6	114.6
37.5°	85.5	86.5	88.4	89.4	89.4
40°	68.0	68.0	69.0	69.9	69.9
42.5°	53.4	54.4	54.4	55.4	55.4
45°	43.7	43.7	44.7	44.7	45.7
47.5°	35.0	35.0	35.9	36.9	36.9
50°	29.1	29.1	30.1	30.1	30.1
52.5°	24.3	24.3	25.3	25.3	25.3
55°	20.4	20.4	21.4	21.4	21.4
57.5°	17.5	17.5	18.5	18.5	18.5
60°	15.5	15.5	15.5	15.5	16.5
62.5°	13.6	13.6	13.6	13.6	13.6
65°	11.7	11.7	11.7	11.7	12.6
67.5°	9.7	9.7	9.7	9.7	10.7
70°	8.7	8.7	8.7	8.7	8.7
72.5°	6.8	6.8	6.8	7.8	7.8
75°	5.8	5.8	5.8	5.8	5.8
77.5°	4.9	4.9	4.9	4.9	4.9
80°	2.9	2.9	2.9	3.9	3.9
82.5°	1.9	1.9	1.9	1.9	1.9
85°	1.0	1.0	1.0	1.0	1.9
87.5°	0.0	0.0	0.0	1.0	1.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)