

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: P1308136

Luminaire Tested: LDSQA3D13R309027DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308136  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R309027DE010 3LSQPHRLP1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

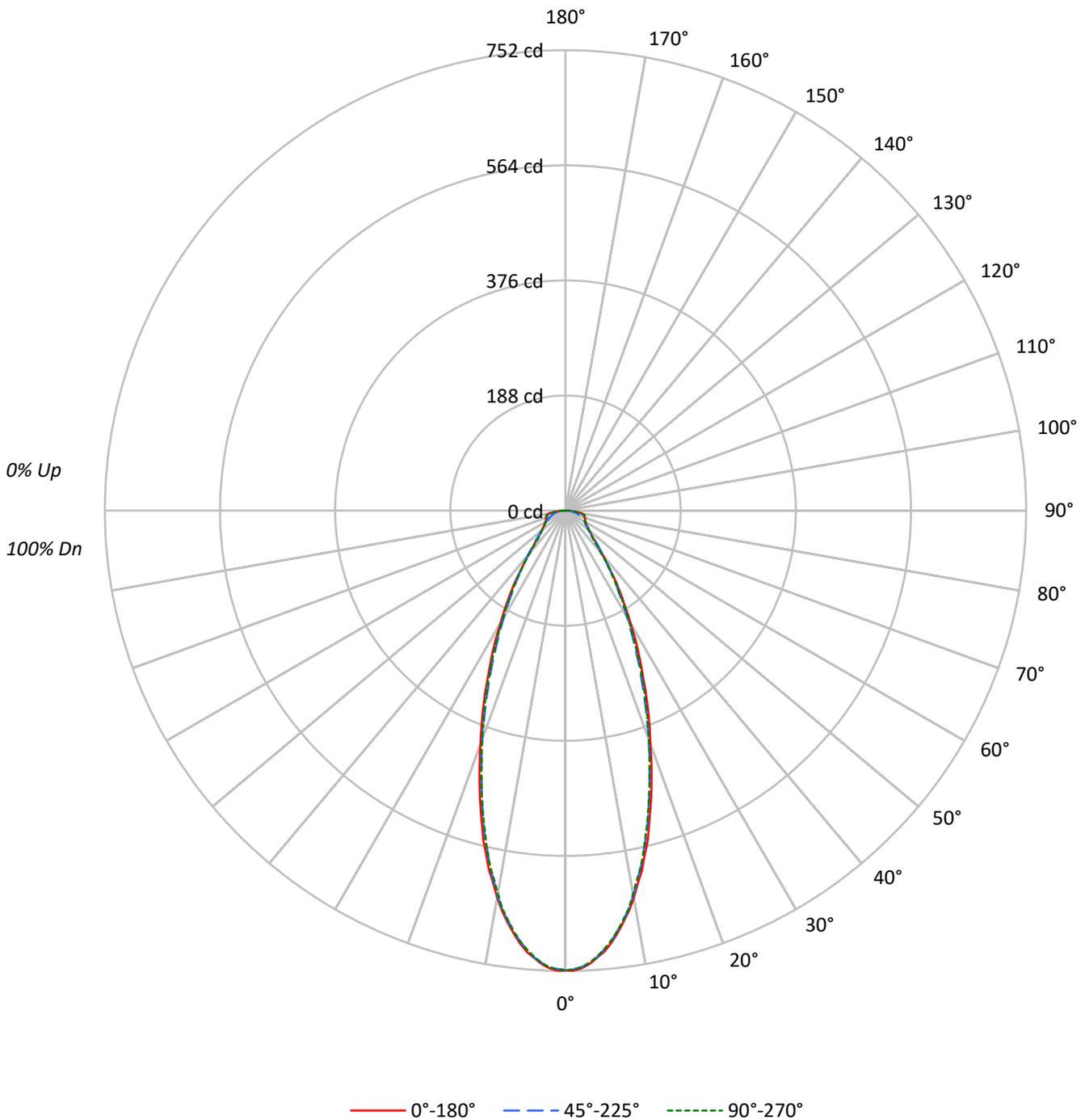
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 592.0 lumens  
Efficiency: N/A  
Efficacy: 40.5 lumens/watt  
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7  
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89		
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	79		
3	97	89	83	78	95	88	82	77	85	80	76	83	78	75	80	77	74	72		
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66		
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61		
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	56		
7	77	67	60	55	76	66	60	55	65	59	55	63	58	54	62	57	54	52		
8	74	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	51	49		
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	46		
10	67	56	50	45	66	56	49	45	55	49	45	54	49	45	53	48	45	43		

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

	0°	45°	90°
0°	129288	129288	129288
5°	125079	124457	124457
10°	112255	111626	111153
15°	94088	92626	92465
20°	74282	72779	72779
25°	56856	54614	55659
30°	42199	40032	40927
35°	30507	29161	29350
40°	20998	21403	20391
45°	15685	16343	15028
50°	13611	13370	13370
55°	12791	12251	12521
60°	13123	12193	12813
65°	14426	12185	14059
70°	16869	12337	16416
75°	21693	13242	21094
80°	26977	14381	25191
85°	21539	14425	19760

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 26977 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	66.2	11.2
10°-20°	144.0	24.3
20°-30°	134.1	22.7
30°-40°	89.0	15.0
40°-50°	51.8	8.8
50°-60°	37.7	6.4
60°-70°	31.9	5.4
70°-80°	26.4	4.5
80°-90°	11.0	1.9
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°	344.3	58.2
0°-40°	433.2	73.2
0°-60°	522.8	88.3
0°-90°	592.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	592.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	751	751	751	751	751	
5°	724	723	720	720	720	66
15°	528	522	520	519	519	146
25°	299	294	287	288	293	138
35°	145	142	139	140	140	91
45°	64	65	67	64	62	52
55°	43	42	41	42	42	39
65°	35	32	30	32	34	35
75°	33	24	20	24	32	33
85°	11	13	7	12	10	13
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	750.7	750.7	750.7	750.7	750.7
1°	751.6	750.7	748.9	749.8	749.8
2°	748.0	747.1	746.2	746.2	746.2
3°	741.7	740.7	739.8	739.8	739.8
4°	732.6	731.7	731.7	730.8	730.8
5°	723.5	722.6	719.9	719.9	719.9
6°	710.8	709.9	708.1	707.2	707.2
7°	695.4	695.4	692.7	691.8	692.7
8°	679.1	678.2	676.4	675.5	675.5
9°	661.9	659.1	659.1	656.4	658.2
10°	641.9	640.1	638.3	636.5	635.6
11°	619.3	618.3	615.6	613.8	612.9
12°	600.2	595.7	593.9	591.1	593.0
13°	575.7	573.0	568.5	567.6	568.5
14°	554.9	549.4	545.8	544.0	543.1
15°	527.7	522.2	519.5	518.6	518.6
17.5°	466.9	463.3	456.1	456.1	456.1
20°	405.3	401.7	397.1	396.2	397.1
22.5°	351.8	345.4	338.2	339.1	344.5
25°	299.2	293.8	287.4	288.3	292.9
27.5°	254.8	247.5	241.2	243.0	245.7
30°	212.2	207.6	201.3	203.1	205.8
32.5°	175.9	173.2	165.9	167.7	170.5
35°	145.1	142.3	138.7	139.6	139.6
37.5°	116.1	116.1	115.1	114.2	113.3
40°	93.4	95.2	95.2	92.5	90.7
42.5°	76.2	78.0	79.8	76.2	73.4
45°	64.4	65.3	67.1	63.5	61.7
47.5°	56.2	56.2	58.0	55.3	54.4
50°	50.8	50.8	49.9	49.0	49.9
52.5°	46.2	45.3	44.4	45.3	45.3
55°	42.6	41.7	40.8	41.7	41.7
57.5°	39.9	39.0	38.1	38.1	39.0
60°	38.1	36.3	35.4	36.3	37.2
62.5°	36.3	33.5	32.6	33.5	35.4
65°	35.4	31.7	29.9	31.7	34.5
67.5°	34.5	29.9	27.2	29.9	33.5
70°	33.5	28.1	24.5	28.1	32.6
72.5°	32.6	26.3	22.7	26.3	32.6
75°	32.6	24.5	19.9	24.5	31.7
77.5°	30.8	22.7	17.2	22.7	29.9
80°	27.2	20.9	14.5	19.9	25.4
82.5°	19.9	18.1	10.9	17.2	19.0
85°	10.9	12.7	7.3	11.8	10.0
87.5°	1.8	2.7	1.8	5.4	3.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)