

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: P1308087

Luminaire Tested: LDSQA3D13R159027DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308087  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R159027DE010 3LSQPHRLP1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

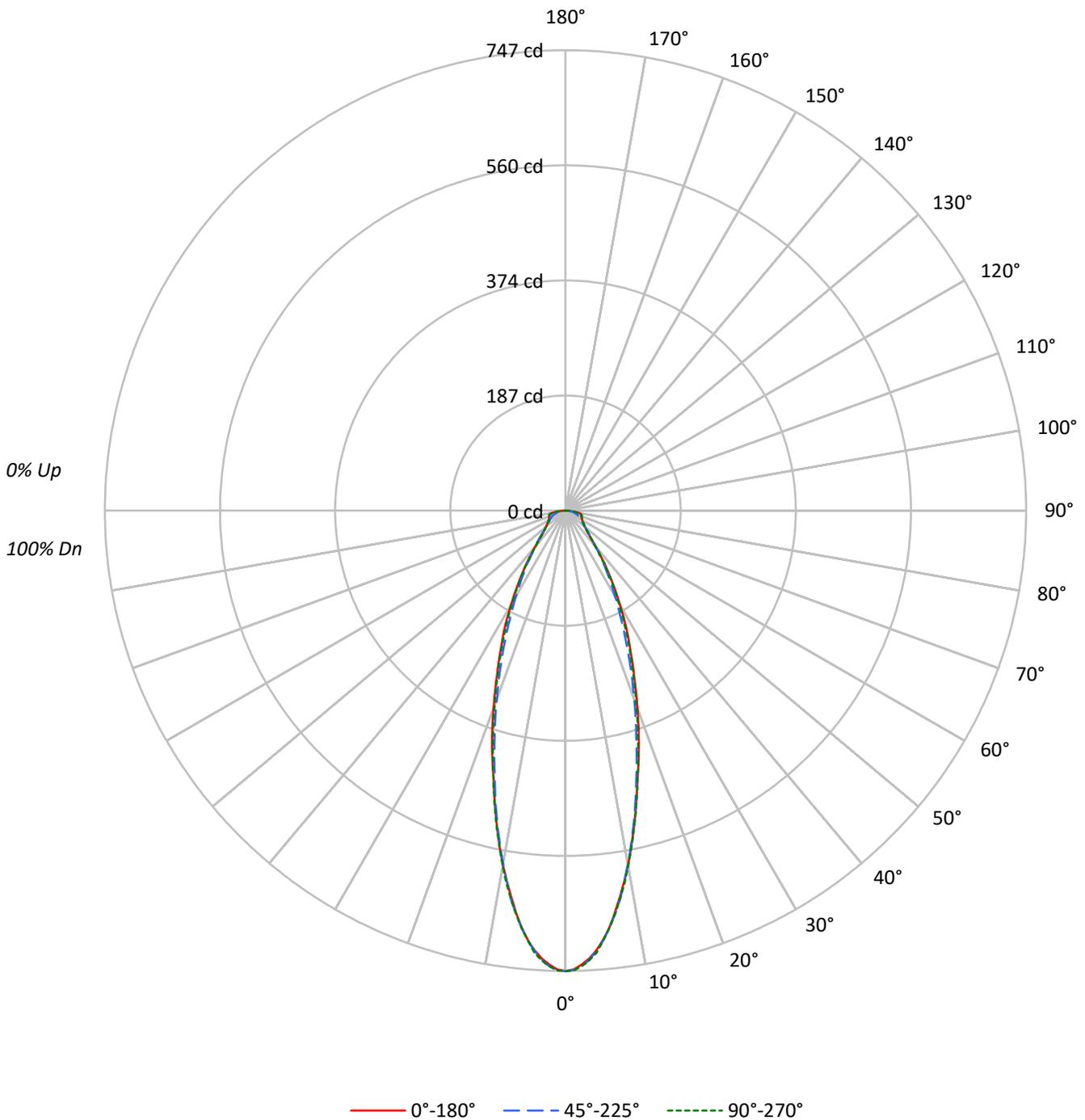
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 501.0 lumens  
Efficiency: N/A  
Efficacy: 34.3 lumens/watt  
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63  
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				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	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	91	91	91	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	82	82	82	80
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	74	74	74	73
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	71	68	68	68	68	66
5	87	77	70	65	85	76	70	65	74	69	64	72	68	64	71	67	63	63	63	63	61
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	59	59	59	57
7	78	68	61	56	77	67	60	56	66	60	56	64	59	55	63	58	55	55	55	55	53
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	52	52	52	50
9	71	60	54	49	70	60	53	49	59	53	49	58	53	49	57	52	49	49	49	49	47
10	68	57	51	47	67	57	51	47	56	50	46	55	50	46	54	49	46	46	46	46	45

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

	0°	45°	90°
0°	128702	128702	128702
5°	120878	121034	121034
10°	102112	101797	102427
15°	80305	79164	80466
20°	62405	59583	61581
25°	47108	43820	46424
30°	35040	31958	34304
35°	25019	23295	24620
40°	16951	17154	16749
45°	12616	13274	12616
50°	10958	10958	10958
55°	10629	10089	10629
60°	10953	10023	10643
65°	11859	10351	11859
70°	14200	10524	14200
75°	18099	10846	18099
80°	22514	11703	21621
85°	17982	10671	19760

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 22514 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	63.0	12.6
10°-20°	124.6	24.9
20°-30°	110.1	22.0
30°-40°	72.3	14.4
40°-50°	42.3	8.4
50°-60°	31.1	6.2
60°-70°	26.5	5.3
70°-80°	21.9	4.4
80°-90°	9.1	1.8
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°	297.8	59.4
0°-40°	370.1	73.9
0°-60°	443.5	88.5
0°-90°	501.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	501.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	747	747	747	747	747	
5°	699	699	700	701	700	63
15°	450	450	444	450	451	126
25°	248	240	231	237	244	115
35°	119	114	111	114	117	75
45°	52	53	54	53	52	42
55°	35	34	34	34	35	32
65°	29	26	25	26	29	29
75°	27	20	16	21	27	28
85°	9	10	5	9	10	10
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	747.3	747.3	747.3	747.3	747.3
1°	744.6	745.5	745.5	746.4	746.4
2°	737.4	739.2	740.1	740.1	740.1
3°	728.3	729.2	730.1	731.0	731.0
4°	715.6	716.5	716.5	718.3	719.2
5°	699.2	699.2	700.1	701.0	700.1
6°	680.1	680.1	681.1	681.1	681.1
7°	657.4	658.3	659.3	660.2	659.3
8°	632.9	633.8	636.6	636.6	635.6
9°	608.4	609.3	609.3	612.0	612.0
10°	583.9	583.9	582.1	583.9	585.7
12.5°	517.6	516.7	514.0	516.7	518.5
15°	450.4	450.4	444.0	449.5	451.3
17.5°	395.9	387.7	381.4	386.8	391.4
20°	340.5	332.4	325.1	330.5	336.0
22.5°	290.6	284.2	275.1	280.6	286.9
25°	247.9	239.7	230.6	237.0	244.3
27.5°	212.5	201.6	192.5	199.8	206.1
30°	176.2	168.9	160.7	166.2	172.5
32.5°	145.3	139.8	133.5	138.0	143.5
35°	119.0	114.4	110.8	113.5	117.1
37.5°	95.3	93.5	91.7	92.6	92.6
40°	75.4	76.3	76.3	76.3	74.5
42.5°	61.7	62.7	64.5	62.7	61.7
45°	51.8	52.7	54.5	52.7	51.8
47.5°	45.4	46.3	47.2	45.4	45.4
50°	40.9	40.9	40.9	40.9	40.9
52.5°	38.1	37.2	37.2	37.2	38.1
55°	35.4	34.5	33.6	34.5	35.4
57.5°	32.7	31.8	30.9	31.8	32.7
60°	31.8	30.0	29.1	30.0	30.9
62.5°	30.0	28.2	27.2	28.2	30.0
65°	29.1	26.3	25.4	26.3	29.1
67.5°	28.2	24.5	22.7	24.5	28.2
70°	28.2	22.7	20.9	23.6	28.2
72.5°	27.2	21.8	18.2	21.8	27.2
75°	27.2	20.0	16.3	20.9	27.2
77.5°	25.4	18.2	13.6	19.1	25.4
80°	22.7	16.3	11.8	17.3	21.8
82.5°	16.3	13.6	9.1	13.6	16.3
85°	9.1	10.0	5.4	9.1	10.0
87.5°	0.9	2.7	1.8	5.4	4.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)