

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: P1319240

Luminaire Tested: LDSQA3D13R309835DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1319240  
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: LDSQA3D13R309835DE010 3LSQPHRLP1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 98CRI , 3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

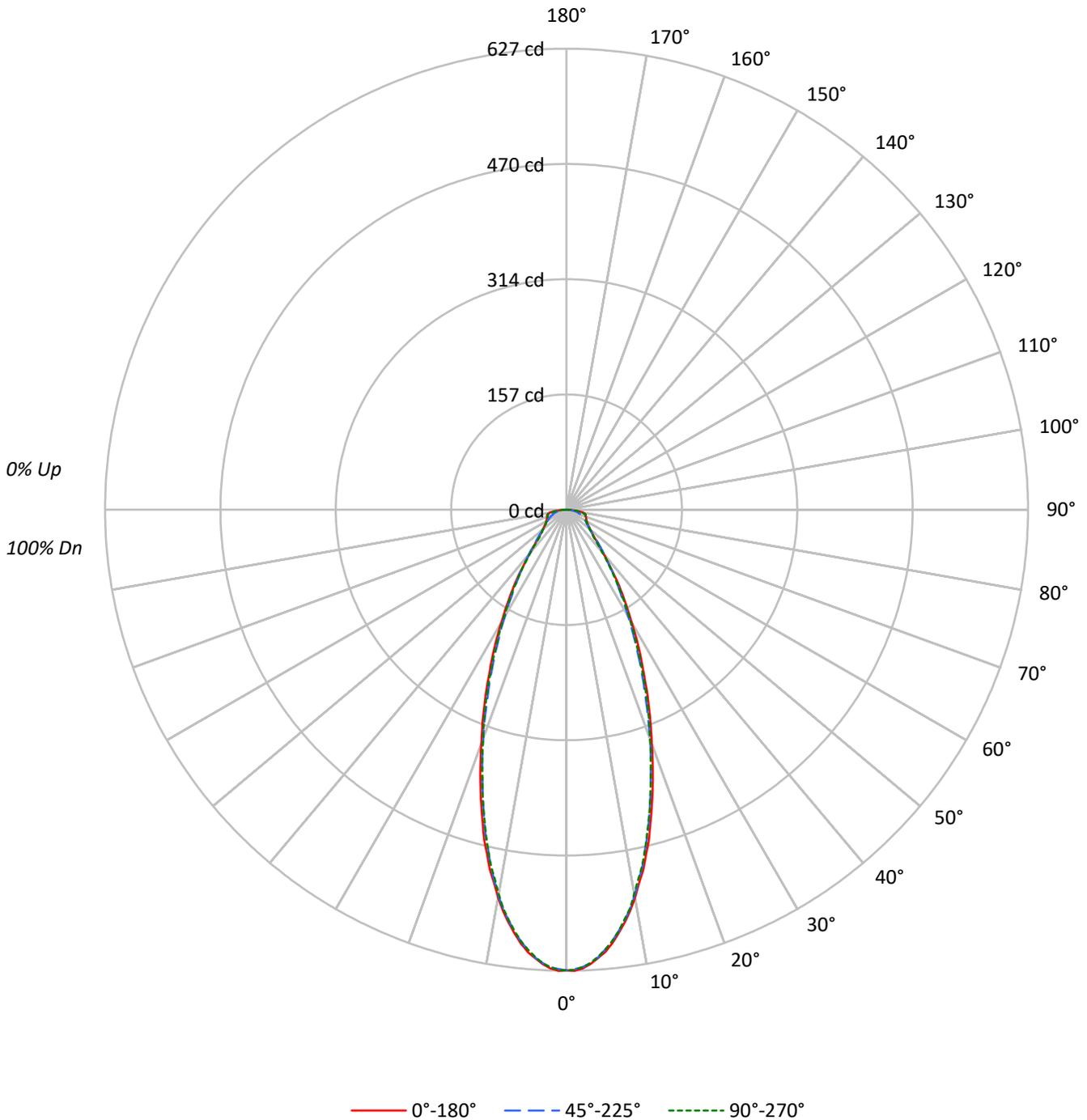
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 494.0 lumens  
Efficiency: N/A  
Efficacy: 34.1 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): 14.5  
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

TEST NUMBER: P1319240  
CATALOG NUMBER: LDSQA3D13R309835DE010 3LSQPHRLP1MW

### 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°	107880	107880	107880
5°	104368	103849	103849
10°	93683	93141	92756
15°	78505	77292	77167
20°	61984	60738	60738
25°	47450	45568	46443
30°	35199	33409	34145
35°	25461	24346	24494
40°	17514	17851	17019
45°	13079	13639	12519
50°	11360	11146	11146
55°	10689	10209	10449
60°	10953	10161	10678
65°	12022	10188	11696
70°	14099	10272	13696
75°	18099	11046	17634
80°	22514	12001	21026
85°	17982	12054	16401

**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°	55.2	11.2
10°-20°	120.1	24.3
20°-30°	111.9	22.7
30°-40°	74.3	15.0
40°-50°	43.2	8.8
50°-60°	31.5	6.4
60°-70°	26.6	5.4
70°-80°	22.0	4.5
80°-90°	9.2	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°	287.3	58.2
0°-40°	361.5	73.2
0°-60°	436.2	88.3
0°-90°	494.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	494.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	626	626	626	626	626	
5°	604	603	601	601	601	55
15°	440	436	434	433	433	122
25°	250	245	240	241	244	115
35°	121	119	116	116	116	76
45°	54	54	56	53	51	43
55°	36	35	34	35	35	32
65°	30	26	25	26	29	29
75°	27	20	17	20	26	28
85°	9	11	6	10	8	10
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	626.4	626.4	626.4	626.4	626.4
1°	627.2	626.4	624.9	625.7	625.7
2°	624.2	623.4	622.7	622.7	622.7
3°	618.9	618.1	617.4	617.4	617.4
4°	611.3	610.6	610.6	609.8	609.8
5°	603.7	603.0	600.7	600.7	600.7
6°	593.2	592.4	590.9	590.1	590.1
7°	580.3	580.3	578.0	577.3	578.0
8°	566.7	565.9	564.4	563.6	563.6
9°	552.3	550.0	550.0	547.8	549.3
10°	535.7	534.1	532.6	531.1	530.4
11°	516.7	516.0	513.7	512.2	511.4
12°	500.9	497.1	495.6	493.3	494.8
13°	480.4	478.2	474.4	473.6	474.4
14°	463.0	458.5	455.5	453.9	453.2
15°	440.3	435.8	433.5	432.8	432.8
17.5°	389.6	386.6	380.6	380.6	380.6
20°	338.2	335.2	331.4	330.6	331.4
22.5°	293.6	288.3	282.2	283.0	287.5
25°	249.7	245.1	239.8	240.6	244.4
27.5°	212.6	206.5	201.2	202.8	205.0
30°	177.0	173.3	168.0	169.5	171.7
32.5°	146.8	144.5	138.5	140.0	142.2
35°	121.1	118.8	115.8	116.5	116.5
37.5°	96.8	96.8	96.1	95.3	94.6
40°	77.9	79.4	79.4	77.2	75.7
42.5°	63.6	65.1	66.6	63.6	61.3
45°	53.7	54.5	56.0	53.0	51.4
47.5°	46.9	46.9	48.4	46.2	45.4
50°	42.4	42.4	41.6	40.9	41.6
52.5°	38.6	37.8	37.1	37.8	37.8
55°	35.6	34.8	34.0	34.8	34.8
57.5°	33.3	32.5	31.8	31.8	32.5
60°	31.8	30.3	29.5	30.3	31.0
62.5°	30.3	28.0	27.2	28.0	29.5
65°	29.5	26.5	25.0	26.5	28.7
67.5°	28.7	25.0	22.7	25.0	28.0
70°	28.0	23.5	20.4	23.5	27.2
72.5°	27.2	21.9	18.9	21.9	27.2
75°	27.2	20.4	16.6	20.4	26.5
77.5°	25.7	18.9	14.4	18.9	25.0
80°	22.7	17.4	12.1	16.6	21.2
82.5°	16.6	15.1	9.1	14.4	15.9
85°	9.1	10.6	6.1	9.8	8.3
87.5°	1.5	2.3	1.5	4.5	3.0



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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)