

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: P1313702

Luminaire Tested: LDSQA3D13R359727DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1313702  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R359727DE010 3LSQPHRLP1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 97CRI , 3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

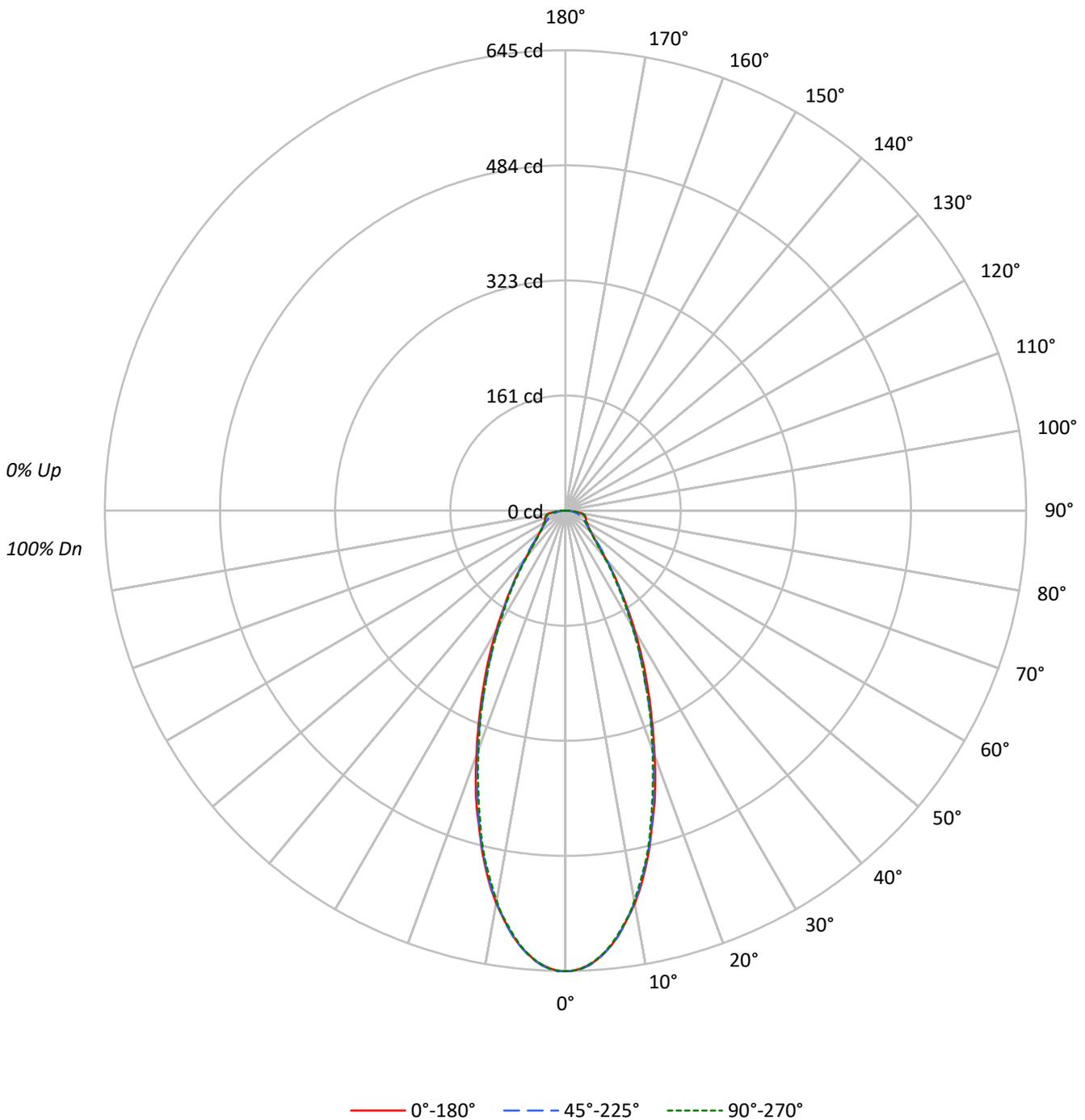
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 534.0 lumens  
Efficiency: N/A  
Efficacy: 36.6 lumens/watt  
Spacing Criteria (0/90/45): 0.69 / 0.68 / 0.73  
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	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	91	91	91	89
2	104	98	92	88	101	96	91	87	92	88	85	89	86	83	86	84	81	81	81	81	79
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	77	74	74	74	74	72
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	67	67	67	65
5	86	76	69	64	84	75	69	64	73	68	63	72	67	63	70	65	62	62	62	62	60
6	82	71	64	59	80	70	64	59	69	63	58	67	62	58	66	61	57	57	57	57	56
7	77	66	60	55	76	66	59	54	64	58	54	63	58	54	62	57	54	54	54	54	52
8	73	62	56	51	72	62	55	51	61	55	51	60	54	50	59	54	50	50	50	50	49
9	70	59	52	48	68	58	52	48	57	52	47	56	51	47	55	51	47	47	47	47	46
10	66	56	49	45	65	55	49	45	54	49	45	53	48	45	53	48	44	44	44	44	43

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

	0°	45°	90°
0°	111152	111152	111152
5°	107497	107653	107497
10°	97653	97513	97093
15°	82909	82605	81892
20°	66749	65851	65246
25°	51592	50053	50053
30°	38480	37188	36850
35°	27689	27353	26659
40°	19380	19919	18638
45°	14443	15247	14053
50°	12405	12405	12191
55°	11710	11230	11470
60°	12056	10919	11470
65°	12918	10921	12592
70°	15157	11481	14754
75°	18964	11911	18366
80°	24200	12893	21720
85°	19365	12844	19365

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 24200 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.3	10.7
10°-20°	127.9	24.0
20°-30°	122.2	22.9
30°-40°	82.1	15.4
40°-50°	48.2	9.0
50°-60°	34.5	6.5
60°-70°	28.7	5.4
70°-80°	23.5	4.4
80°-90°	9.7	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°	307.4	57.6
0°-40°	389.5	72.9
0°-60°	472.1	88.4
0°-90°	534.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	534.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	645	645	645	645	645	
5°	622	624	623	622	622	57
15°	465	466	463	460	459	129
25°	272	268	263	263	263	125
35°	132	132	130	128	127	83
45°	59	61	63	59	58	48
55°	39	38	37	37	38	35
65°	32	28	27	28	31	32
75°	28	22	18	22	28	30
85°	10	11	6	11	10	11
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	645.4	645.4	645.4	645.4	645.4
1°	644.6	645.4	645.4	644.6	644.6
2°	641.4	643.0	642.2	641.4	642.2
3°	637.3	638.9	638.1	637.3	636.5
4°	630.8	632.4	631.6	630.0	630.0
5°	621.8	623.5	622.7	621.8	621.8
6°	612.9	614.5	612.9	611.3	611.3
7°	600.7	603.1	601.5	599.9	599.1
8°	586.9	589.3	587.7	586.9	585.3
9°	573.1	574.7	572.3	572.3	572.3
10°	558.4	559.3	557.6	555.2	555.2
11°	542.2	541.4	540.6	538.9	537.3
12°	524.3	524.3	521.9	520.2	519.4
13°	505.6	504.8	503.2	501.5	501.5
14°	486.1	486.1	484.5	481.2	482.0
15°	465.0	465.8	463.3	460.1	459.3
17.5°	417.0	415.4	411.3	408.9	406.4
20°	364.2	363.4	359.3	356.9	356.0
22.5°	315.4	314.6	310.5	308.1	309.7
25°	271.5	268.2	263.4	263.4	263.4
27.5°	230.9	226.8	223.5	221.9	223.5
30°	193.5	190.2	187.0	186.1	185.3
32.5°	160.1	158.5	156.9	154.4	154.4
35°	131.7	131.7	130.1	127.6	126.8
37.5°	107.3	108.1	107.3	104.9	104.0
40°	86.2	87.8	88.6	86.2	82.9
42.5°	70.7	73.2	74.8	70.7	68.3
45°	59.3	61.0	62.6	59.3	57.7
47.5°	52.0	52.8	53.6	51.2	50.4
50°	46.3	46.3	46.3	45.5	45.5
52.5°	42.3	42.3	41.5	40.6	40.6
55°	39.0	38.2	37.4	37.4	38.2
57.5°	36.6	35.8	34.1	35.0	35.8
60°	35.0	33.3	31.7	32.5	33.3
62.5°	32.5	30.9	29.3	30.1	31.7
65°	31.7	28.5	26.8	28.5	30.9
67.5°	30.9	26.8	24.4	26.8	30.1
70°	30.1	25.2	22.8	25.2	29.3
72.5°	29.3	23.6	20.3	23.6	28.5
75°	28.5	21.9	17.9	21.9	27.6
77.5°	26.8	20.3	15.4	20.3	25.2
80°	24.4	18.7	13.0	17.9	21.9
82.5°	17.9	15.4	10.6	15.4	16.3
85°	9.8	10.6	6.5	10.6	9.8
87.5°	0.8	1.6	1.6	4.9	3.3



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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)