

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: P1309263

Luminaire Tested: LDSQA3D13R359030DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309263  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-37)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R359030DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

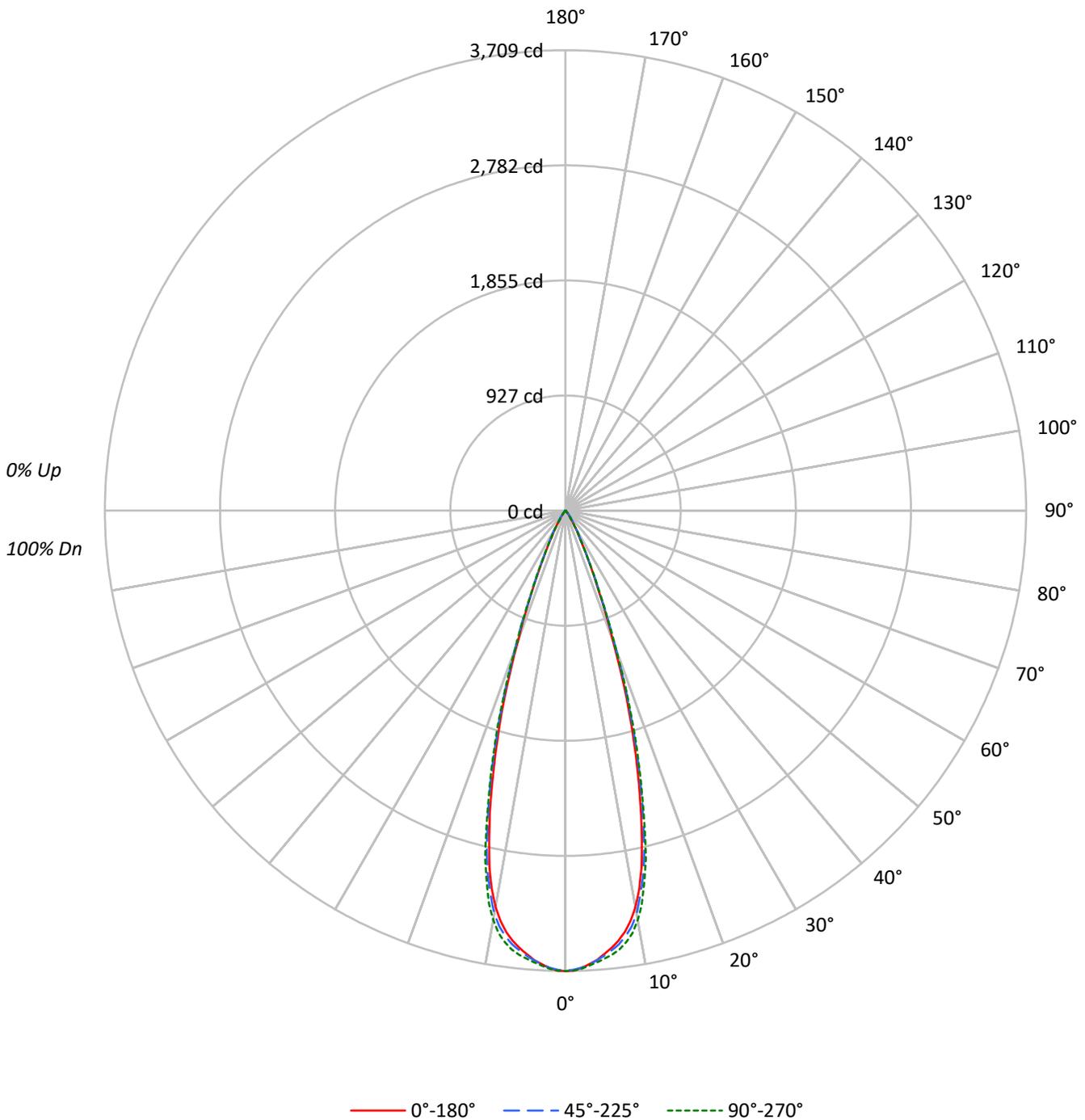
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1246.0 lumens  
Efficiency: N/A  
Efficacy: 85.3 lumens/watt  
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52  
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 (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

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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	102	102	100
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	98	98	96
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	94	94	93
3	107	102	98	95	105	101	97	95	98	96	93	96	94	92	94	92	90	94	92	89
4	103	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87	91	89	86
5	100	94	90	86	99	93	89	86	91	88	85	90	87	85	89	86	84	89	86	83
6	97	90	86	83	96	90	86	83	88	85	82	87	84	82	86	83	81	86	83	80
7	94	87	83	80	93	87	82	79	85	82	79	84	81	79	83	81	78	83	81	77
8	91	84	80	77	90	84	79	77	83	79	76	82	78	76	81	78	76	81	78	75
9	88	81	77	74	88	81	77	74	80	76	74	79	76	74	79	76	73	79	76	72
10	86	79	75	72	85	78	74	72	78	74	71	77	74	71	76	73	71	76	73	70

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

	0°	45°	90°
0°	638843	638843	638843
5°	619932	622110	626311
10°	567082	576927	585776
15°	407054	421960	426293
20°	204755	216687	217218
25°	77607	80001	80381
30°	31520	36154	30943
35°	11437	17366	11038
40°	4811	7442	4586
45°	1193	3069	1193
50°	777	1313	777
55°	871	871	871
60°	999	999	999
65°	774	774	774
70°	504	504	504
75°	665	665	665
80°	992	992	992
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 3069 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	335.4	26.9
10°-20°	624.8	50.1
20°-30°	224.7	18.0
30°-40°	47.2	3.8
40°-50°	8.1	0.7
50°-60°	2.7	0.2
60°-70°	1.9	0.2
70°-80°	1.1	0.1
80°-90°	0.2	0.0
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°	1184.9	95.1
0°-40°	1232.1	98.9
0°-60°	1242.9	99.7
0°-90°	1246.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1246.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3709	3709	3709	3709	3709	
5°	3586	3593	3598	3623	3623	332
15°	2283	2323	2367	2392	2391	608
25°	408	414	421	425	423	217
35°	54	64	83	63	52	41
45°	5	8	13	8	5	6
55°	3	3	3	3	3	3
65°	2	2	2	2	2	2
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3709.4	3709.4	3709.4	3709.4	3709.4
1°	3707.4	3707.4	3699.6	3708.4	3705.5
2°	3687.0	3688.9	3684.1	3694.8	3693.8
3°	3658.8	3663.7	3659.8	3675.3	3670.5
4°	3628.7	3632.5	3630.6	3650.0	3648.1
5°	3585.9	3592.7	3598.5	3622.8	3622.8
6°	3542.1	3548.9	3561.6	3587.8	3596.6
7°	3491.6	3500.3	3520.7	3555.7	3561.6
8°	3427.4	3437.1	3465.3	3503.2	3511.0
9°	3347.7	3362.2	3394.3	3440.0	3444.9
10°	3242.7	3254.3	3299.0	3337.0	3349.6
11°	3106.5	3116.3	3156.1	3217.4	3225.1
12°	2941.2	2952.9	3004.4	3044.3	3052.1
13°	2732.2	2754.6	2816.8	2855.7	2877.1
14°	2517.3	2547.4	2592.2	2647.6	2634.0
15°	2283.0	2322.8	2366.6	2391.9	2390.9
17.5°	1708.3	1731.7	1770.6	1785.2	1804.6
20°	1117.2	1147.3	1182.3	1195.9	1185.2
22.5°	693.3	701.0	711.7	717.6	715.6
25°	408.4	414.2	421.0	424.9	423.0
27.5°	246.0	259.6	269.3	257.7	250.9
30°	158.5	164.3	181.8	166.3	155.6
32.5°	94.3	107.9	122.5	104.0	90.4
35°	54.4	64.2	82.6	63.2	52.5
37.5°	35.0	39.9	53.5	38.9	34.0
40°	21.4	27.2	33.1	25.3	20.4
42.5°	10.7	16.5	19.4	14.6	10.7
45°	4.9	7.8	12.6	7.8	4.9
47.5°	2.9	3.9	7.8	3.9	2.9
50°	2.9	2.9	4.9	2.9	2.9
52.5°	2.9	2.9	2.9	2.9	2.9
55°	2.9	2.9	2.9	2.9	2.9
57.5°	2.9	2.9	2.9	2.9	2.9
60°	2.9	2.9	2.9	2.9	2.9
62.5°	1.9	1.9	1.9	1.9	1.9
65°	1.9	1.9	1.9	1.9	1.9
67.5°	1.9	1.9	1.9	1.9	1.9
70°	1.0	1.0	1.0	1.0	1.0
72.5°	1.0	1.0	1.0	1.0	1.0
75°	1.0	1.0	1.0	1.0	1.0
77.5°	1.0	1.0	1.0	1.0	1.0
80°	1.0	1.0	1.0	1.0	1.0
82.5°	1.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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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)