

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: P1311597

Luminaire Tested: LDSQA3D17R159040DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311597  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R159040DE010 3LSQPHRL1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 90CRI , 3LSQPHRL1MW TRIM  
Light Source: -  
Ballast/Driver: -

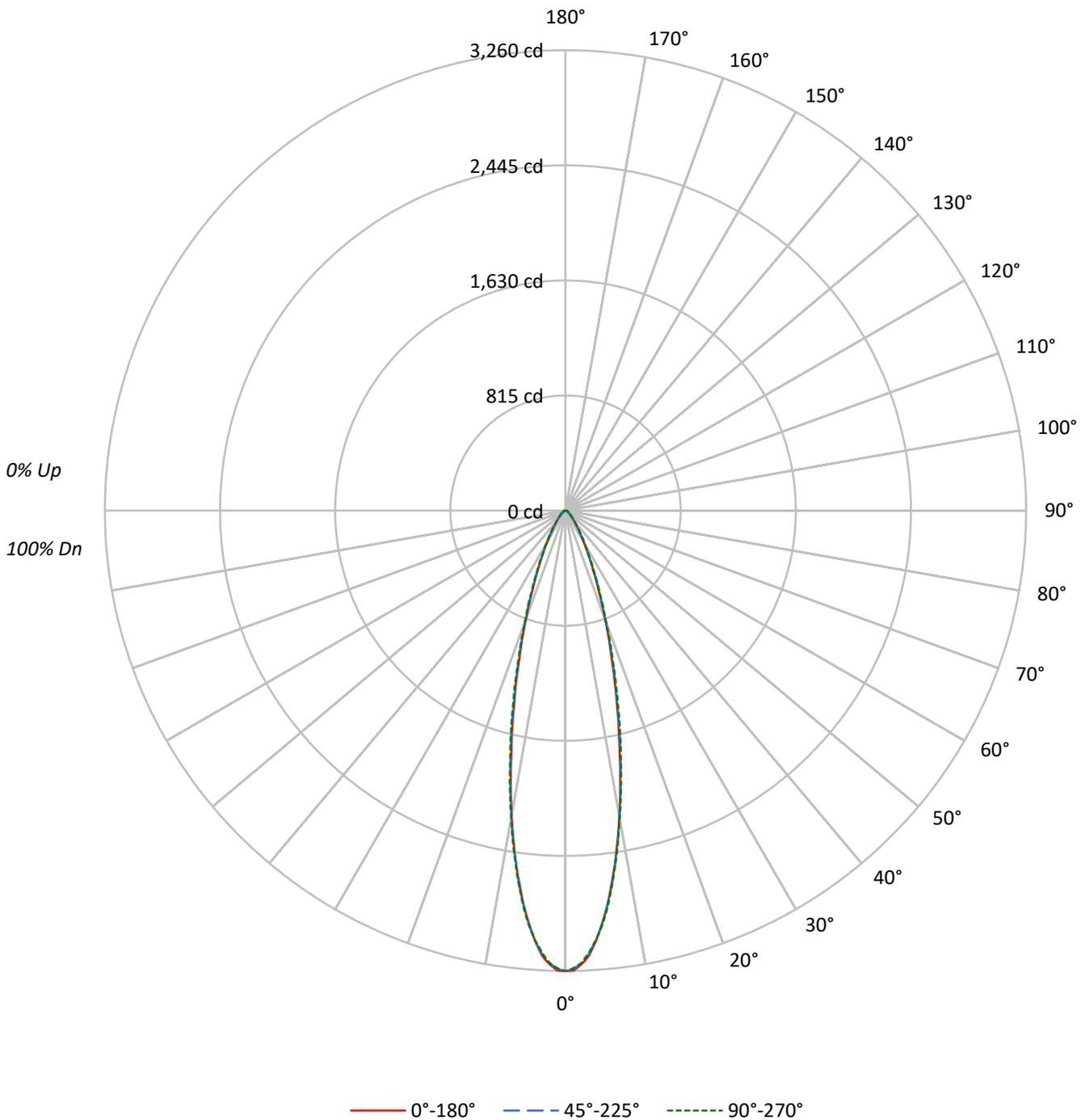
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1078.0 lumens  
Efficiency: N/A  
Efficacy: 50.8 lumens/watt  
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.2  
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	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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	96	96	96	94
2	109	104	101	97	107	103	99	96	99	97	94	97	94	92	94	92	90	90	90	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	85	85	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	81	81	81	80
5	96	88	83	79	94	87	83	79	86	82	78	84	80	78	83	79	77	77	77	77	76
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	73	73	73	72
7	88	80	75	71	87	80	75	71	79	74	71	77	74	71	76	73	70	70	70	70	69
8	85	77	72	68	84	76	72	68	75	71	68	74	70	68	74	70	67	67	67	67	66
9	82	74	69	65	81	73	69	65	73	68	65	72	68	65	71	67	65	65	65	65	64
10	79	71	66	63	78	71	66	63	70	66	63	69	65	62	69	65	62	62	62	62	61

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

	0°	45°	90°
0°	561411	561411	561411
5°	508511	509479	510188
10°	383913	384892	386833
15°	249029	251739	256678
20°	149938	151715	153731
25°	87583	89427	90757
30°	51466	53137	53952
35°	31726	32882	33471
40°	20841	21470	21785
45°	14492	14833	15174
50°	10744	11119	11494
55°	8738	9158	9158
60°	7612	7612	7612
65°	6765	6765	6765
70°	5589	6294	6294
75°	5523	5523	5523
80°	4166	5455	5455
85°	2766	2766	2766

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°  
 Vertical Angle: 45°  
 Luminance: 15174 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	256.8	23.8
10°-20°	392.6	36.4
20°-30°	223.1	20.7
30°-40°	101.8	9.4
40°-50°	48.8	4.5
50°-60°	27.3	2.5
60°-70°	16.7	1.5
70°-80°	8.9	0.8
80°-90°	1.9	0.2
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°	872.5	80.9
0°-40°	974.3	90.4
0°-60°	1050.5	97.4
0°-90°	1078.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1078.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3260	3260	3260	3260	3260	
5°	2941	2940	2947	2947	2951	256
15°	1397	1404	1412	1431	1440	388
25°	461	461	471	475	478	219
35°	151	154	156	159	159	99
45°	60	60	61	62	62	47
55°	29	29	30	30	30	27
65°	17	17	17	17	17	16
75°	8	8	8	8	8	9
85°	1	1	1	1	1	2
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3259.8	3259.8	3259.8	3259.8	3259.8
1°	3257.0	3248.7	3246.0	3244.6	3241.8
2°	3215.5	3208.6	3207.2	3207.2	3205.8
3°	3157.4	3144.9	3146.3	3142.1	3138.0
4°	3059.1	3053.6	3056.3	3059.1	3053.6
5°	2941.4	2940.1	2947.0	2947.0	2951.1
6°	2819.6	2818.2	2814.1	2825.2	2830.7
7°	2664.6	2672.9	2684.0	2678.4	2682.6
8°	2523.4	2513.7	2517.9	2531.7	2533.1
9°	2357.3	2350.4	2368.4	2373.9	2375.3
10°	2195.3	2202.3	2200.9	2220.3	2212.0
12.5°	1773.2	1784.2	1796.7	1805.0	1813.3
15°	1396.7	1403.6	1411.9	1431.3	1439.6
17.5°	1074.1	1082.4	1090.8	1107.4	1110.1
20°	818.1	822.2	827.8	843.0	838.8
22.5°	611.8	618.7	624.3	631.2	635.3
25°	460.9	460.9	470.6	474.8	477.6
27.5°	343.3	346.1	353.0	358.5	357.1
30°	258.8	263.0	267.2	269.9	271.3
32.5°	199.3	199.3	203.5	207.6	209.0
35°	150.9	153.6	156.4	159.2	159.2
37.5°	117.7	119.0	121.8	123.2	123.2
40°	92.7	92.7	95.5	96.9	96.9
42.5°	73.4	74.7	76.1	77.5	77.5
45°	59.5	59.5	60.9	62.3	62.3
47.5°	48.4	48.4	49.8	51.2	51.2
50°	40.1	41.5	41.5	42.9	42.9
52.5°	34.6	34.6	34.6	36.0	36.0
55°	29.1	29.1	30.5	30.5	30.5
57.5°	24.9	24.9	24.9	26.3	26.3
60°	22.1	22.1	22.1	22.1	22.1
62.5°	19.4	19.4	19.4	19.4	19.4
65°	16.6	16.6	16.6	16.6	16.6
67.5°	13.8	13.8	13.8	15.2	15.2
70°	11.1	12.5	12.5	12.5	12.5
72.5°	9.7	9.7	9.7	9.7	9.7
75°	8.3	8.3	8.3	8.3	8.3
77.5°	6.9	6.9	6.9	6.9	6.9
80°	4.2	5.5	5.5	5.5	5.5
82.5°	2.8	2.8	2.8	2.8	2.8
85°	1.4	1.4	1.4	1.4	1.4
87.5°	0.0	0.0	0.0	0.0	1.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)