

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: P1309428

Luminaire Tested: LDSQA3D17R359030DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309428  
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: LDSQA3D17R359030DE010 3LSQPHRLP1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

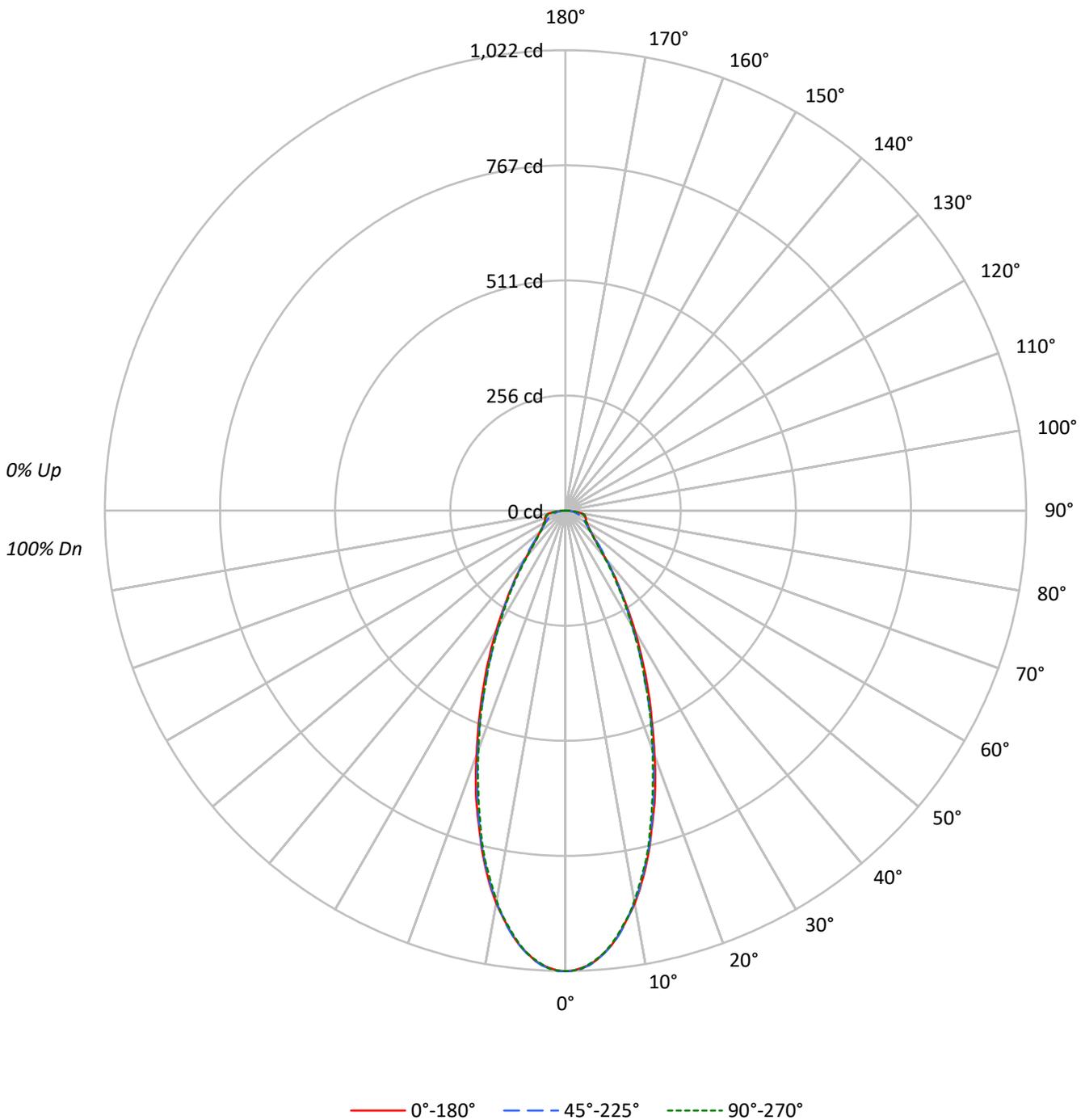
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 846.0 lumens  
Efficiency: N/A  
Efficacy: 39.9 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): 21.2  
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	0
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	101	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	82	78	75	80	77	74	72
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	65
5	86	76	69	64	84	75	69	64	73	68	63	72	67	63	70	65	62	60
6	82	71	64	59	80	70	64	59	69	63	58	67	62	58	66	61	57	56
7	77	66	60	55	76	66	59	54	64	58	54	63	58	54	62	57	54	52
8	73	62	56	51	72	62	55	51	61	55	51	60	54	50	59	54	50	49
9	70	59	52	48	68	58	52	48	57	52	47	56	51	47	55	51	47	46
10	66	56	49	45	65	55	49	45	54	49	45	53	48	45	53	48	44	43

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

	0°	45°	90°
0°	176098	176098	176098
5°	170322	170547	170322
10°	154716	154489	153824
15°	131334	130871	129730
20°	105732	104320	103386
25°	81730	79279	79279
30°	60952	58904	58387
35°	43857	43310	42238
40°	30688	31565	29541
45°	22895	24161	22261
50°	19666	19666	19318
55°	18556	17775	18166
60°	19082	17291	18187
65°	20457	17319	19927
70°	23969	18178	23365
75°	30010	18831	29145
80°	38283	20431	34514
85°	30629	20353	30629

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 38283 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	90.8	10.7
10°-20°	202.7	24.0
20°-30°	193.5	22.9
30°-40°	130.0	15.4
40°-50°	76.3	9.0
50°-60°	54.6	6.5
60°-70°	45.4	5.4
70°-80°	37.2	4.4
80°-90°	15.3	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°	487.0	57.6
0°-40°	617.0	72.9
0°-60°	747.9	88.4
0°-90°	846.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	846.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1022	1022	1022	1022	1022	
5°	985	988	986	985	985	91
15°	737	738	734	729	728	204
25°	430	425	417	417	417	197
35°	209	209	206	202	201	132
45°	94	97	99	94	91	76
55°	62	60	59	59	60	56
65°	50	45	42	45	49	50
75°	45	35	28	35	44	47
85°	16	17	10	17	16	18
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1022.5	1022.5	1022.5	1022.5	1022.5
1°	1021.2	1022.5	1022.5	1021.2	1021.2
2°	1016.1	1018.7	1017.4	1016.1	1017.4
3°	1009.6	1012.2	1010.9	1009.6	1008.4
4°	999.3	1001.9	1000.6	998.0	998.0
5°	985.2	987.7	986.5	985.2	985.2
6°	971.0	973.6	971.0	968.4	968.4
7°	951.7	955.6	953.0	950.4	949.1
8°	929.8	933.7	931.1	929.8	927.2
9°	907.9	910.5	906.6	906.6	906.6
10°	884.7	886.0	883.4	879.6	879.6
11°	859.0	857.7	856.4	853.8	851.2
12°	830.6	830.6	826.8	824.2	822.9
13°	801.0	799.7	797.2	794.6	794.6
14°	770.1	770.1	767.5	762.4	763.7
15°	736.6	737.9	734.0	728.9	727.6
17.5°	660.6	658.1	651.6	647.8	643.9
20°	576.9	575.6	569.2	565.3	564.1
22.5°	499.7	498.4	491.9	488.1	490.7
25°	430.1	425.0	417.2	417.2	417.2
27.5°	365.7	359.3	354.1	351.6	354.1
30°	306.5	301.3	296.2	294.9	293.6
32.5°	253.7	251.1	248.5	244.7	244.7
35°	208.6	208.6	206.0	202.2	200.9
37.5°	170.0	171.3	170.0	166.1	164.8
40°	136.5	139.1	140.4	136.5	131.4
42.5°	112.0	115.9	118.5	112.0	108.2
45°	94.0	96.6	99.2	94.0	91.4
47.5°	82.4	83.7	85.0	81.1	79.8
50°	73.4	73.4	73.4	72.1	72.1
52.5°	67.0	67.0	65.7	64.4	64.4
55°	61.8	60.5	59.2	59.2	60.5
57.5°	58.0	56.7	54.1	55.4	56.7
60°	55.4	52.8	50.2	51.5	52.8
62.5°	51.5	48.9	46.4	47.6	50.2
65°	50.2	45.1	42.5	45.1	48.9
67.5°	48.9	42.5	38.6	42.5	47.6
70°	47.6	39.9	36.1	39.9	46.4
72.5°	46.4	37.3	32.2	37.3	45.1
75°	45.1	34.8	28.3	34.8	43.8
77.5°	42.5	32.2	24.5	32.2	39.9
80°	38.6	29.6	20.6	28.3	34.8
82.5°	28.3	24.5	16.7	24.5	25.8
85°	15.5	16.7	10.3	16.7	15.5
87.5°	1.3	2.6	2.6	7.7	5.2



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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)