

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: P1318527

Luminaire Tested: LDSQA3D17R359830DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1318527  
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: LDSQA3D17R359830DE010 3LSQPHRLP1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 98CRI , 3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

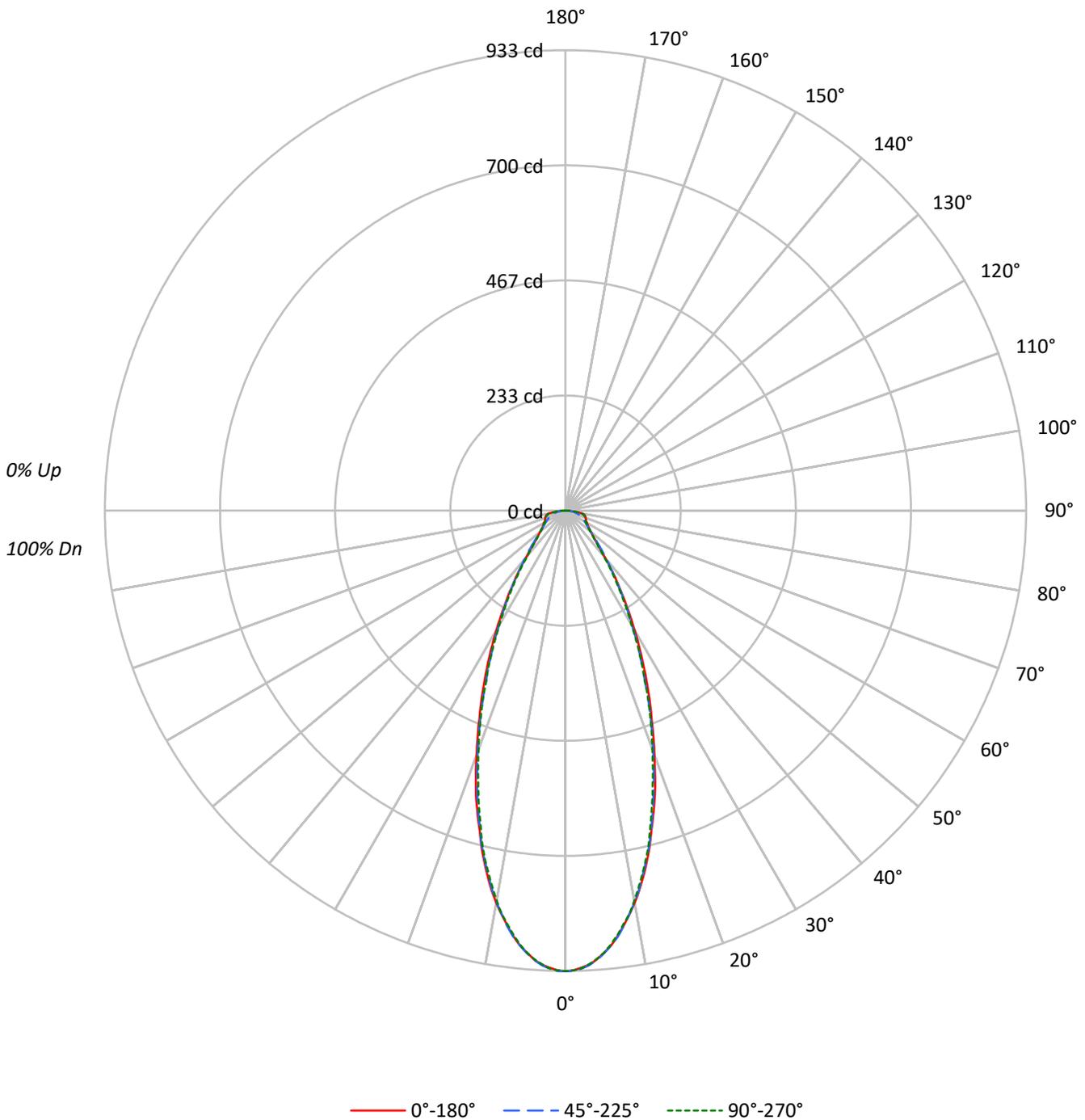
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 772.0 lumens  
Efficiency: N/A  
Efficacy: 37.8 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): 20.4  
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	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°	160701	160701	160701
5°	155420	155627	155420
10°	141180	140988	140358
15°	119852	119424	118390
20°	96495	95193	94332
25°	74585	72362	72362
30°	55623	53753	53276
35°	40031	39526	38538
40°	28013	28800	26956
45°	20897	22042	20313
50°	17951	17951	17630
55°	16935	16244	16574
60°	17394	15776	16602
65°	18664	15812	18216
70°	21904	16567	21300
75°	27349	17234	26617
80°	35010	18646	31440
85°	27862	18575	27862

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 35010 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	82.9	10.7
10°-20°	184.9	24.0
20°-30°	176.6	22.9
30°-40°	118.6	15.4
40°-50°	69.6	9.0
50°-60°	49.8	6.5
60°-70°	41.5	5.4
70°-80°	34.0	4.4
80°-90°	14.0	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°	444.4	57.6
0°-40°	563.1	72.9
0°-60°	682.5	88.4
0°-90°	772.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	772.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	933	933	933	933	933	
5°	899	901	900	899	899	83
15°	672	673	670	665	664	186
25°	392	388	381	381	381	180
35°	190	190	188	184	183	120
45°	86	88	90	86	83	69
55°	56	55	54	54	55	51
65°	46	41	39	41	45	46
75°	41	32	26	32	40	43
85°	14	15	9	15	14	16
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	933.1	933.1	933.1	933.1	933.1
1°	931.9	933.1	933.1	931.9	931.9
2°	927.2	929.6	928.4	927.2	928.4
3°	921.3	923.7	922.5	921.3	920.2
4°	911.9	914.3	913.1	910.7	910.7
5°	899.0	901.3	900.2	899.0	899.0
6°	886.1	888.4	886.1	883.7	883.7
7°	868.4	872.0	869.6	867.3	866.1
8°	848.5	852.0	849.6	848.5	846.1
9°	828.5	830.8	827.3	827.3	827.3
10°	807.3	808.5	806.2	802.6	802.6
11°	783.8	782.7	781.5	779.1	776.8
12°	758.0	758.0	754.5	752.1	750.9
13°	730.9	729.8	727.4	725.1	725.1
14°	702.7	702.7	700.4	695.7	696.9
15°	672.2	673.4	669.8	665.1	664.0
17.5°	602.9	600.5	594.6	591.1	587.6
20°	526.5	525.3	519.4	515.9	514.7
22.5°	456.0	454.8	448.9	445.4	447.7
25°	392.5	387.8	380.8	380.8	380.8
27.5°	333.7	327.9	323.2	320.8	323.2
30°	279.7	275.0	270.3	269.1	267.9
32.5°	231.5	229.2	226.8	223.3	223.3
35°	190.4	190.4	188.0	184.5	183.3
37.5°	155.1	156.3	155.1	151.6	150.4
40°	124.6	126.9	128.1	124.6	119.9
42.5°	102.2	105.8	108.1	102.2	98.7
45°	85.8	88.1	90.5	85.8	83.4
47.5°	75.2	76.4	77.6	74.0	72.9
50°	67.0	67.0	67.0	65.8	65.8
52.5°	61.1	61.1	59.9	58.8	58.8
55°	56.4	55.2	54.1	54.1	55.2
57.5°	52.9	51.7	49.4	50.5	51.7
60°	50.5	48.2	45.8	47.0	48.2
62.5°	47.0	44.7	42.3	43.5	45.8
65°	45.8	41.1	38.8	41.1	44.7
67.5°	44.7	38.8	35.3	38.8	43.5
70°	43.5	36.4	32.9	36.4	42.3
72.5°	42.3	34.1	29.4	34.1	41.1
75°	41.1	31.7	25.9	31.7	40.0
77.5°	38.8	29.4	22.3	29.4	36.4
80°	35.3	27.0	18.8	25.9	31.7
82.5°	25.9	22.3	15.3	22.3	23.5
85°	14.1	15.3	9.4	15.3	14.1
87.5°	1.2	2.4	2.4	7.1	4.7



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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)