

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: P1318461

Luminaire Tested: LDSQA3D17R159830DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1318461  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R159830DE010 3LSQPHRLP1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 98CRI , 3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

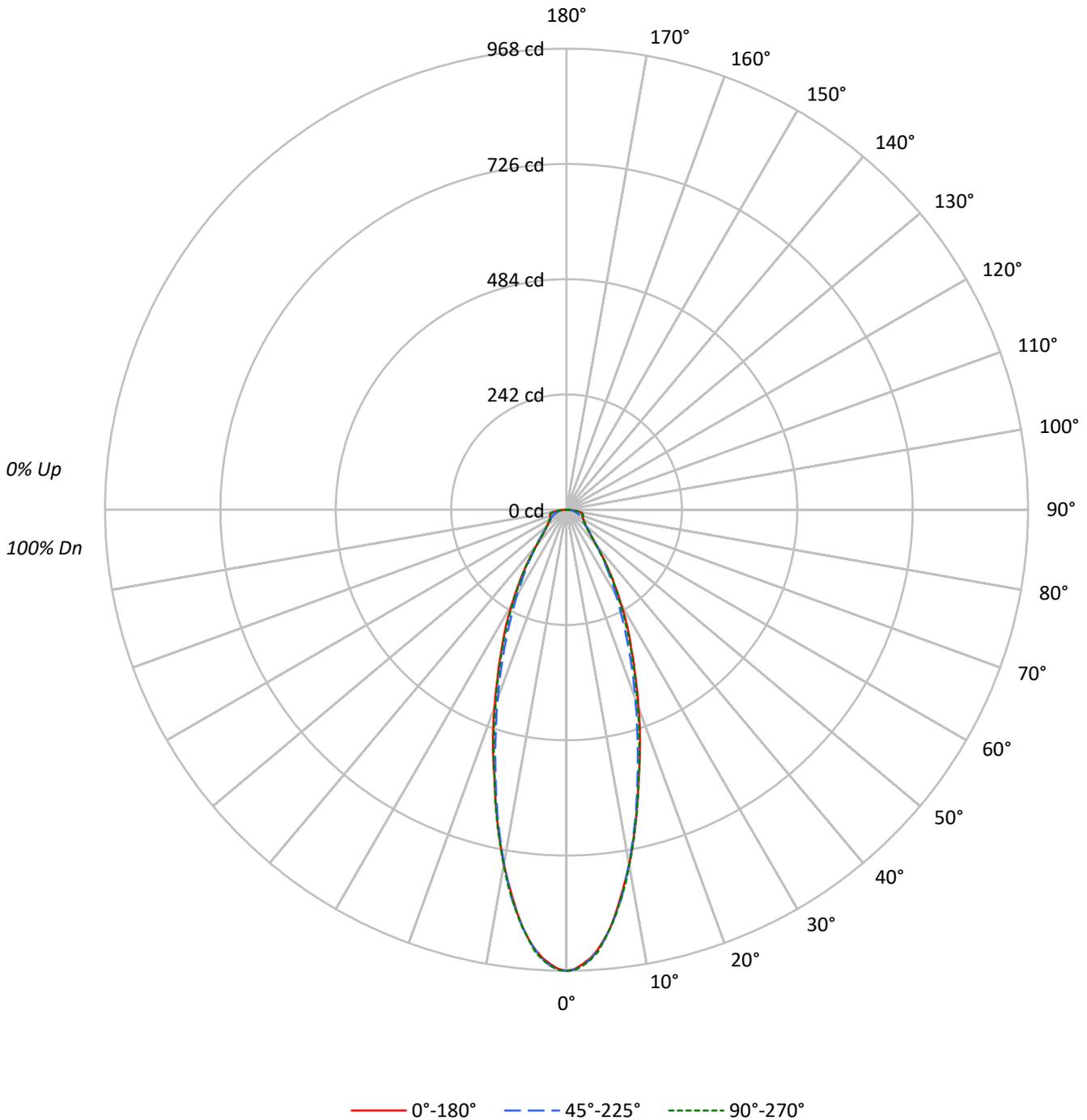
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 649.0 lumens  
Efficiency: N/A  
Efficacy: 31.8 lumens/watt  
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63  
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	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	91	91	91	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	82	82	82	80
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	74	74	74	73
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	71	68	68	68	68	66
5	87	77	70	65	85	76	70	65	74	69	64	72	68	64	71	67	63	63	63	63	61
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	59	59	59	57
7	78	68	61	56	77	67	60	56	66	60	56	64	59	55	63	58	55	55	55	55	53
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	52	52	52	50
9	71	60	54	49	70	60	53	49	59	53	49	58	53	49	57	52	49	49	49	49	47
10	68	57	51	47	67	57	51	47	56	50	46	55	50	46	54	49	46	46	46	46	45

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

	0°	45°	90°
0°	166729	166729	166729
5°	156595	156785	156785
10°	132279	131859	132681
15°	104037	102557	104233
20°	80843	77177	79762
25°	61018	56780	60124
30°	45381	41404	44446
35°	32399	30170	31894
40°	21942	22212	21695
45°	16343	17195	16343
50°	14174	14174	14174
55°	13782	13061	13782
60°	14191	12951	13778
65°	15323	13407	15323
70°	18379	13646	18379
75°	23489	14107	23489
80°	29159	15174	27968
85°	23317	14030	25491

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 29159 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	81.7	12.6
10°-20°	161.4	24.9
20°-30°	142.7	22.0
30°-40°	93.7	14.4
40°-50°	54.8	8.4
50°-60°	40.3	6.2
60°-70°	34.4	5.3
70°-80°	28.3	4.4
80°-90°	11.7	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°	385.7	59.4
0°-40°	479.4	73.9
0°-60°	574.5	88.5
0°-90°	649.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	649.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	968	968	968	968	968	
5°	906	906	907	908	907	81
15°	584	584	575	582	585	163
25°	321	310	299	307	316	148
35°	154	148	144	147	152	97
45°	67	68	71	68	67	54
55°	46	45	44	45	46	41
65°	38	34	33	34	38	38
75°	35	26	21	27	35	36
85°	12	13	7	12	13	13
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	968.1	968.1	968.1	968.1	968.1
1°	964.6	965.8	965.8	966.9	966.9
2°	955.2	957.5	958.7	958.7	958.7
3°	943.4	944.6	945.8	946.9	946.9
4°	926.9	928.1	928.1	930.5	931.6
5°	905.8	905.8	906.9	908.1	906.9
6°	881.1	881.1	882.2	882.2	882.2
7°	851.7	852.8	854.0	855.2	854.0
8°	819.9	821.1	824.6	824.6	823.4
9°	788.1	789.3	789.3	792.8	792.8
10°	756.4	756.4	754.0	756.4	758.7
12.5°	670.5	669.3	665.8	669.3	671.7
15°	583.5	583.5	575.2	582.3	584.6
17.5°	512.9	502.3	494.1	501.1	507.0
20°	441.1	430.5	421.1	428.2	435.2
22.5°	376.4	368.2	356.4	363.5	371.7
25°	321.1	310.5	298.8	307.0	316.4
27.5°	275.3	261.1	249.4	258.8	267.0
30°	228.2	218.8	208.2	215.3	223.5
32.5°	188.2	181.2	172.9	178.8	185.9
35°	154.1	148.2	143.5	147.0	151.7
37.5°	123.5	121.2	118.8	120.0	120.0
40°	97.6	98.8	98.8	98.8	96.5
42.5°	80.0	81.2	83.5	81.2	80.0
45°	67.1	68.2	70.6	68.2	67.1
47.5°	58.8	60.0	61.2	58.8	58.8
50°	52.9	52.9	52.9	52.9	52.9
52.5°	49.4	48.2	48.2	48.2	49.4
55°	45.9	44.7	43.5	44.7	45.9
57.5°	42.3	41.2	40.0	41.2	42.3
60°	41.2	38.8	37.6	38.8	40.0
62.5°	38.8	36.5	35.3	36.5	38.8
65°	37.6	34.1	32.9	34.1	37.6
67.5°	36.5	31.8	29.4	31.8	36.5
70°	36.5	29.4	27.1	30.6	36.5
72.5°	35.3	28.2	23.5	28.2	35.3
75°	35.3	25.9	21.2	27.1	35.3
77.5°	32.9	23.5	17.6	24.7	32.9
80°	29.4	21.2	15.3	22.4	28.2
82.5°	21.2	17.6	11.8	17.6	21.2
85°	11.8	12.9	7.1	11.8	12.9
87.5°	1.2	3.5	2.4	7.1	5.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)