

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: P1309427

Luminaire Tested: LDSQA3D17R359030DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309427  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R359030DE010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

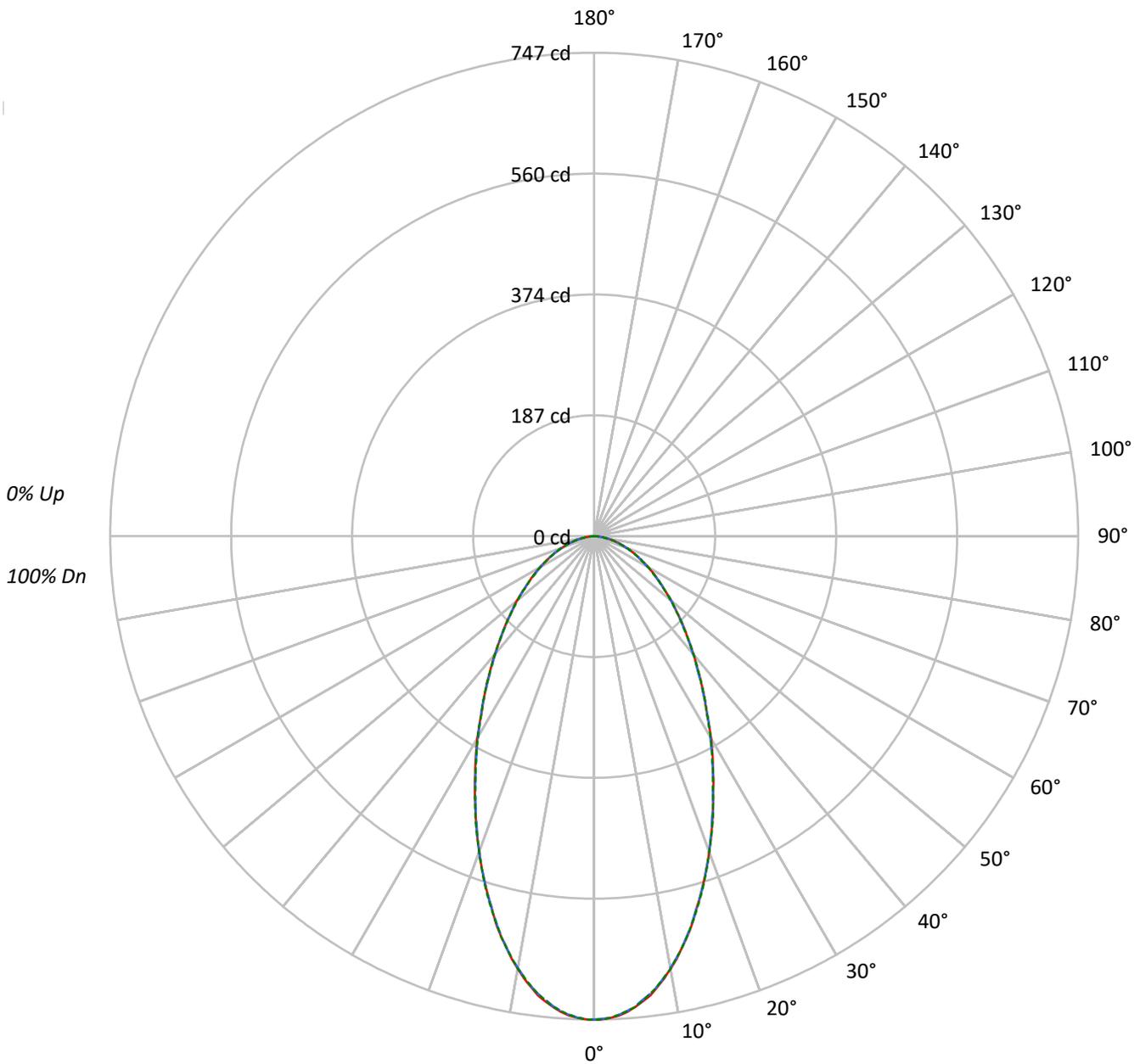
Lumens per Lamp: N/A  
Luminaire Lumens: 998.0 lumens  
Efficiency: N/A  
Efficacy: 47.1 lumens/watt  
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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



— 0°-180°    - - - 45°-225°    ···· 90°-270°



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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	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	93	91	90	88
2	103	96	90	85	100	94	89	84	90	86	82	87	84	81	84	81	79	84	81	79	77
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	77	73	70	68
4	88	78	71	65	86	77	70	65	75	68	64	72	67	63	70	66	62	70	66	62	60
5	82	71	64	58	80	70	63	58	68	62	57	66	61	56	65	60	56	65	60	56	54
6	77	65	58	52	75	65	57	52	63	56	51	61	55	51	60	55	51	60	55	51	49
7	72	60	53	47	71	60	52	47	58	52	47	57	51	46	55	50	46	55	50	46	44
8	68	56	48	43	66	55	48	43	54	47	43	53	47	43	52	46	42	52	46	42	41
9	64	52	45	40	63	51	44	40	50	44	39	49	44	39	48	43	39	48	43	39	38
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36	45	40	36	35

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

	0°	45°	90°
0°	128650	128650	128650
5°	126255	126030	126255
10°	118708	118481	118708
15°	107478	107478	107710
20°	95138	95138	95138
25°	82719	82491	82491
30°	71711	71214	71472
35°	61749	61476	61749
40°	53575	53283	53575
45°	47056	46739	46739
50°	41744	41422	41422
55°	36752	36752	36752
60°	33273	32826	33273
65°	29911	29911	29911
70°	26587	26587	26587
75°	24022	23157	24022
80°	20431	20431	20431
85°	12647	12647	12647

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 47056 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	68.0	6.8
10°-20°	168.1	16.8
20°-30°	199.8	20.0
30°-40°	183.6	18.4
40°-50°	149.1	14.9
50°-60°	110.3	11.1
60°-70°	72.9	7.3
70°-80°	37.8	3.8
80°-90°	8.5	0.9
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°	435.9	43.7
0°-40°	619.5	62.1
0°-60°	878.9	88.1
0°-90°	998.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	998.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	747	747	747	747	747	
5°	730	729	729	729	730	68
15°	603	603	603	603	604	168
25°	435	434	434	435	434	200
35°	294	292	292	294	294	184
45°	193	192	192	192	192	149
55°	122	122	122	122	122	111
65°	73	73	73	73	73	73
75°	36	36	35	36	36	38
85°	6	6	6	6	6	8
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	747.0	747.0	747.0	747.0	747.0
1°	747.0	745.8	745.8	745.8	747.0
2°	744.5	744.5	744.5	744.5	744.5
3°	741.9	740.6	740.6	740.6	740.6
4°	736.7	735.4	735.4	735.4	735.4
5°	730.3	729.0	729.0	729.0	730.3
6°	722.6	721.3	720.0	720.0	721.3
7°	714.8	712.3	712.3	712.3	712.3
8°	703.2	702.0	702.0	702.0	702.0
9°	691.7	689.1	690.4	690.4	690.4
10°	678.8	677.5	677.5	677.5	678.8
11°	665.9	664.6	664.6	663.3	664.6
12°	650.4	650.4	650.4	650.4	650.4
13°	636.3	635.0	635.0	635.0	636.3
14°	620.8	619.5	619.5	619.5	619.5
15°	602.8	602.8	602.8	602.8	604.1
17.5°	561.6	560.3	561.6	561.6	562.9
20°	519.1	517.8	519.1	519.1	519.1
22.5°	476.6	476.6	475.3	476.6	477.8
25°	435.3	434.1	434.1	435.3	434.1
27.5°	396.7	395.4	395.4	395.4	395.4
30°	360.6	358.1	358.1	359.4	359.4
32.5°	323.3	323.3	324.6	323.3	323.3
35°	293.7	292.4	292.4	293.7	293.7
37.5°	264.0	262.8	262.8	264.0	264.0
40°	238.3	238.3	237.0	238.3	238.3
42.5°	213.8	213.8	213.8	213.8	213.8
45°	193.2	191.9	191.9	191.9	191.9
47.5°	172.6	172.6	172.6	171.3	172.6
50°	155.8	154.6	154.6	154.6	154.6
52.5°	137.8	137.8	137.8	137.8	137.8
55°	122.4	122.4	122.4	122.4	122.4
57.5°	109.5	108.2	108.2	108.2	108.2
60°	96.6	96.6	95.3	96.6	96.6
62.5°	83.7	83.7	83.7	83.7	83.7
65°	73.4	73.4	73.4	73.4	73.4
67.5°	63.1	63.1	63.1	63.1	63.1
70°	52.8	52.8	52.8	52.8	52.8
72.5°	45.1	43.8	43.8	43.8	43.8
75°	36.1	36.1	34.8	36.1	36.1
77.5°	27.0	27.0	27.0	27.0	27.0
80°	20.6	20.6	20.6	19.3	20.6
82.5°	12.9	12.9	12.9	12.9	12.9
85°	6.4	6.4	6.4	6.4	6.4
87.5°	1.3	1.3	1.3	2.6	2.6



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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)