

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: P1314819

Luminaire Tested: LDSQA3D17R359730DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1314819  
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: LDSQA3D17R359730DE010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 97CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

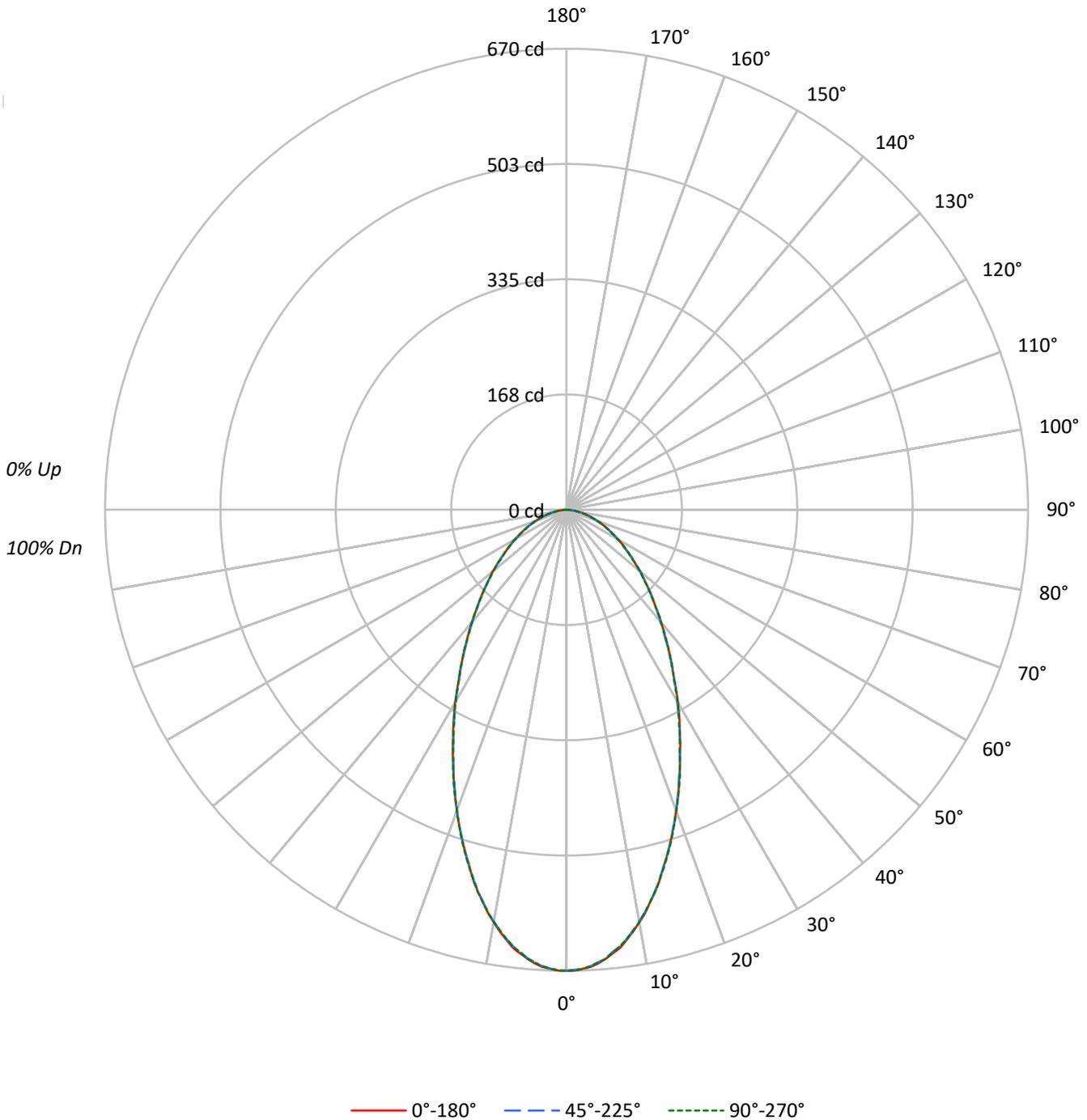
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 895.0 lumens  
Efficiency: N/A  
Efficacy: 42.2 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 (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

TEST NUMBER: P1314819  
CATALOG NUMBER: LDSQA3D17R359730DE010 3LSQPHRLD1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P1314819

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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°	115372	115372	115372
5°	113219	113029	113219
10°	106449	106257	106449
15°	96388	96388	96584
20°	85315	85315	85315
25°	74186	73977	73977
30°	64313	63856	64094
35°	55379	55126	55379
40°	48044	47774	48044
45°	42209	41917	41917
50°	37457	37135	37135
55°	32939	32939	32939
60°	29829	29450	29829
65°	26814	26814	26814
70°	23868	23868	23868
75°	21493	20761	21493
80°	18348	18348	18348
85°	11461	11461	11461

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 42209 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	60.9	6.8
10°-20°	150.8	16.8
20°-30°	179.2	20.0
30°-40°	164.6	18.4
40°-50°	133.7	14.9
50°-60°	98.9	11.1
60°-70°	65.4	7.3
70°-80°	33.9	3.8
80°-90°	7.6	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°	390.9	43.7
0°-40°	555.6	62.1
0°-60°	788.1	88.1
0°-90°	895.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	895.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	670	670	670	670	670	
5°	655	654	654	654	655	61
15°	541	541	541	541	542	151
25°	390	389	389	390	389	180
35°	263	262	262	263	263	165
45°	173	172	172	172	172	134
55°	110	110	110	110	110	99
65°	66	66	66	66	66	65
75°	32	32	31	32	32	34
85°	6	6	6	6	6	8
90°	0	0	0	0	0	



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CATALOG NUMBER: LDSQA3D17R359730DE010 3LSQPHRLD1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	669.9	669.9	669.9	669.9	669.9
1°	669.9	668.8	668.8	668.8	669.9
2°	667.6	667.6	667.6	667.6	667.6
3°	665.3	664.2	664.2	664.2	664.2
4°	660.7	659.5	659.5	659.5	659.5
5°	654.9	653.8	653.8	653.8	654.9
6°	648.0	646.8	645.7	645.7	646.8
7°	641.1	638.8	638.8	638.8	638.8
8°	630.7	629.5	629.5	629.5	629.5
9°	620.3	618.0	619.1	619.1	619.1
10°	608.7	607.6	607.6	607.6	608.7
11°	597.2	596.0	596.0	594.9	596.0
12°	583.3	583.3	583.3	583.3	583.3
13°	570.6	569.5	569.5	569.5	570.6
14°	556.7	555.6	555.6	555.6	555.6
15°	540.6	540.6	540.6	540.6	541.7
17.5°	503.6	502.5	503.6	503.6	504.8
20°	465.5	464.3	465.5	465.5	465.5
22.5°	427.4	427.4	426.2	427.4	428.5
25°	390.4	389.3	389.3	390.4	389.3
27.5°	355.8	354.6	354.6	354.6	354.6
30°	323.4	321.1	321.1	322.3	322.3
32.5°	289.9	289.9	291.1	289.9	289.9
35°	263.4	262.2	262.2	263.4	263.4
37.5°	236.8	235.6	235.6	236.8	236.8
40°	213.7	213.7	212.5	213.7	213.7
42.5°	191.7	191.7	191.7	191.7	191.7
45°	173.3	172.1	172.1	172.1	172.1
47.5°	154.8	154.8	154.8	153.6	154.8
50°	139.8	138.6	138.6	138.6	138.6
52.5°	123.6	123.6	123.6	123.6	123.6
55°	109.7	109.7	109.7	109.7	109.7
57.5°	98.2	97.0	97.0	97.0	97.0
60°	86.6	86.6	85.5	86.6	86.6
62.5°	75.1	75.1	75.1	75.1	75.1
65°	65.8	65.8	65.8	65.8	65.8
67.5°	56.6	56.6	56.6	56.6	56.6
70°	47.4	47.4	47.4	47.4	47.4
72.5°	40.4	39.3	39.3	39.3	39.3
75°	32.3	32.3	31.2	32.3	32.3
77.5°	24.3	24.3	24.3	24.3	24.3
80°	18.5	18.5	18.5	17.3	18.5
82.5°	11.6	11.6	11.6	11.6	11.6
85°	5.8	5.8	5.8	5.8	5.8
87.5°	1.2	1.2	1.2	2.3	2.3



TEST NUMBER: P1314819

CATALOG NUMBER: LDSQA3D17R359730DE010 3LSQPHRLD1MW

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)