

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: P1308152

Luminaire Tested: LDSQA3D13R359027DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308152
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: LDSQA3D13R359027DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

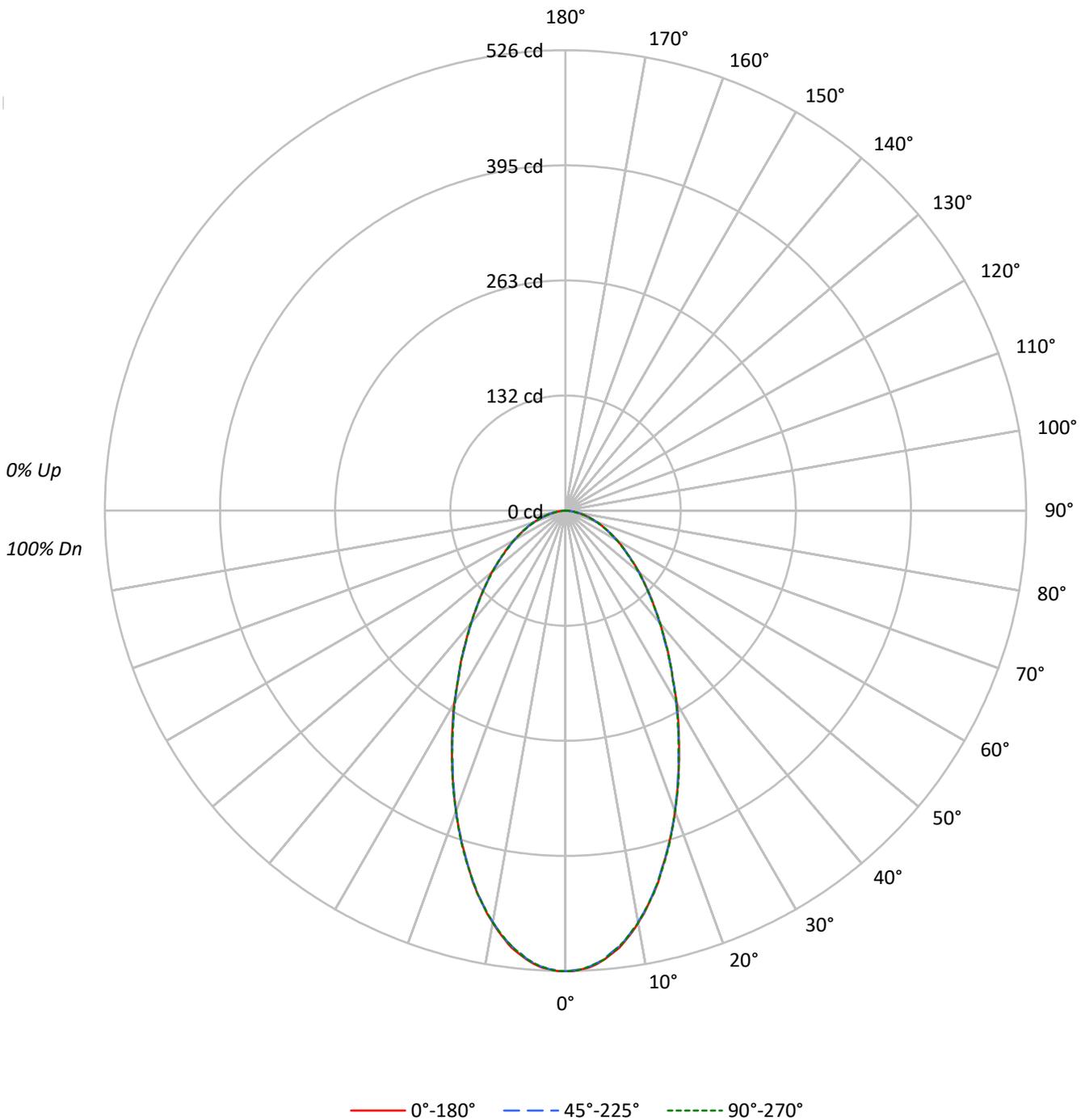
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 703.0 lumens
Efficiency: N/A
Efficacy: 48.2 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): 14.6
Input Voltage (V): NR
Input Current (A_{in}): 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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	107	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	88		
2	103	96	90	85	100	94	89	84	90	86	82	87	84	81	84	81	79	77		
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	68		
4	88	78	71	65	86	77	70	65	75	68	64	72	67	63	70	66	62	60		
5	82	71	64	58	80	70	63	58	68	62	57	66	61	56	65	60	56	54		
6	77	65	58	52	75	65	57	52	63	56	51	61	55	51	60	55	51	49		
7	72	60	53	47	71	60	52	47	58	52	47	57	51	46	55	50	46	44		
8	68	56	48	43	66	55	48	43	54	47	43	53	47	43	52	46	42	41		
9	64	52	45	40	63	51	44	40	50	44	39	49	44	39	48	43	39	38		
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36	35		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	90624	90624	90624
5°	88930	88774	88930
10°	83610	83452	83610
15°	75705	75705	75866
20°	67006	67006	67006
25°	58281	58110	58110
30°	50512	50154	50333
35°	43500	43310	43500
40°	37725	37523	37725
45°	33148	32929	32929
50°	29419	29178	29178
55°	25882	25882	25882
60°	23422	23112	23422
65°	21068	21068	21068
70°	18732	18732	18732
75°	16902	16303	16902
80°	14381	14381	14381
85°	8892	8892	8892

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 33148 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.9	6.8
10°-20°	118.4	16.8
20°-30°	140.7	20.0
30°-40°	129.3	18.4
40°-50°	105.0	14.9
50°-60°	77.7	11.1
60°-70°	51.3	7.3
70°-80°	26.6	3.8
80°-90°	6.0	0.8
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°	307.0	43.7
0°-40°	436.4	62.1
0°-60°	619.1	88.1
0°-90°	703.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	703.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	526	526	526	526	526	
5°	514	514	514	514	514	48
15°	425	425	425	425	426	119
25°	307	306	306	307	306	141
35°	207	206	206	207	207	130
45°	136	135	135	135	135	105
55°	86	86	86	86	86	78
65°	52	52	52	52	52	51
75°	25	25	24	25	25	27
85°	4	4	4	4	4	6
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	526.2	526.2	526.2	526.2	526.2
1°	526.2	525.3	525.3	525.3	526.2
2°	524.4	524.4	524.4	524.4	524.4
3°	522.6	521.7	521.7	521.7	521.7
4°	519.0	518.1	518.1	518.1	518.1
5°	514.4	513.5	513.5	513.5	514.4
6°	509.0	508.1	507.2	507.2	508.1
7°	503.5	501.7	501.7	501.7	501.7
8°	495.4	494.5	494.5	494.5	494.5
9°	487.2	485.4	486.3	486.3	486.3
10°	478.1	477.2	477.2	477.2	478.1
11°	469.1	468.2	468.2	467.2	468.2
12°	458.2	458.2	458.2	458.2	458.2
13°	448.2	447.3	447.3	447.3	448.2
14°	437.3	436.4	436.4	436.4	436.4
15°	424.6	424.6	424.6	424.6	425.5
17.5°	395.6	394.7	395.6	395.6	396.5
20°	365.6	364.7	365.6	365.6	365.6
22.5°	335.7	335.7	334.8	335.7	336.6
25°	306.7	305.8	305.8	306.7	305.8
27.5°	279.4	278.5	278.5	278.5	278.5
30°	254.0	252.2	252.2	253.1	253.1
32.5°	227.7	227.7	228.6	227.7	227.7
35°	206.9	206.0	206.0	206.9	206.9
37.5°	186.0	185.1	185.1	186.0	186.0
40°	167.8	167.8	166.9	167.8	167.8
42.5°	150.6	150.6	150.6	150.6	150.6
45°	136.1	135.2	135.2	135.2	135.2
47.5°	121.6	121.6	121.6	120.7	121.6
50°	109.8	108.9	108.9	108.9	108.9
52.5°	97.1	97.1	97.1	97.1	97.1
55°	86.2	86.2	86.2	86.2	86.2
57.5°	77.1	76.2	76.2	76.2	76.2
60°	68.0	68.0	67.1	68.0	68.0
62.5°	59.0	59.0	59.0	59.0	59.0
65°	51.7	51.7	51.7	51.7	51.7
67.5°	44.5	44.5	44.5	44.5	44.5
70°	37.2	37.2	37.2	37.2	37.2
72.5°	31.8	30.8	30.8	30.8	30.8
75°	25.4	25.4	24.5	25.4	25.4
77.5°	19.1	19.1	19.1	19.1	19.1
80°	14.5	14.5	14.5	13.6	14.5
82.5°	9.1	9.1	9.1	9.1	9.1
85°	4.5	4.5	4.5	4.5	4.5
87.5°	0.9	0.9	0.9	1.8	1.8



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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)