

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: P1312583

Luminaire Tested: LDSQA3D13R359050DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312583
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: LDSQA3D13R359050DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 5000K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

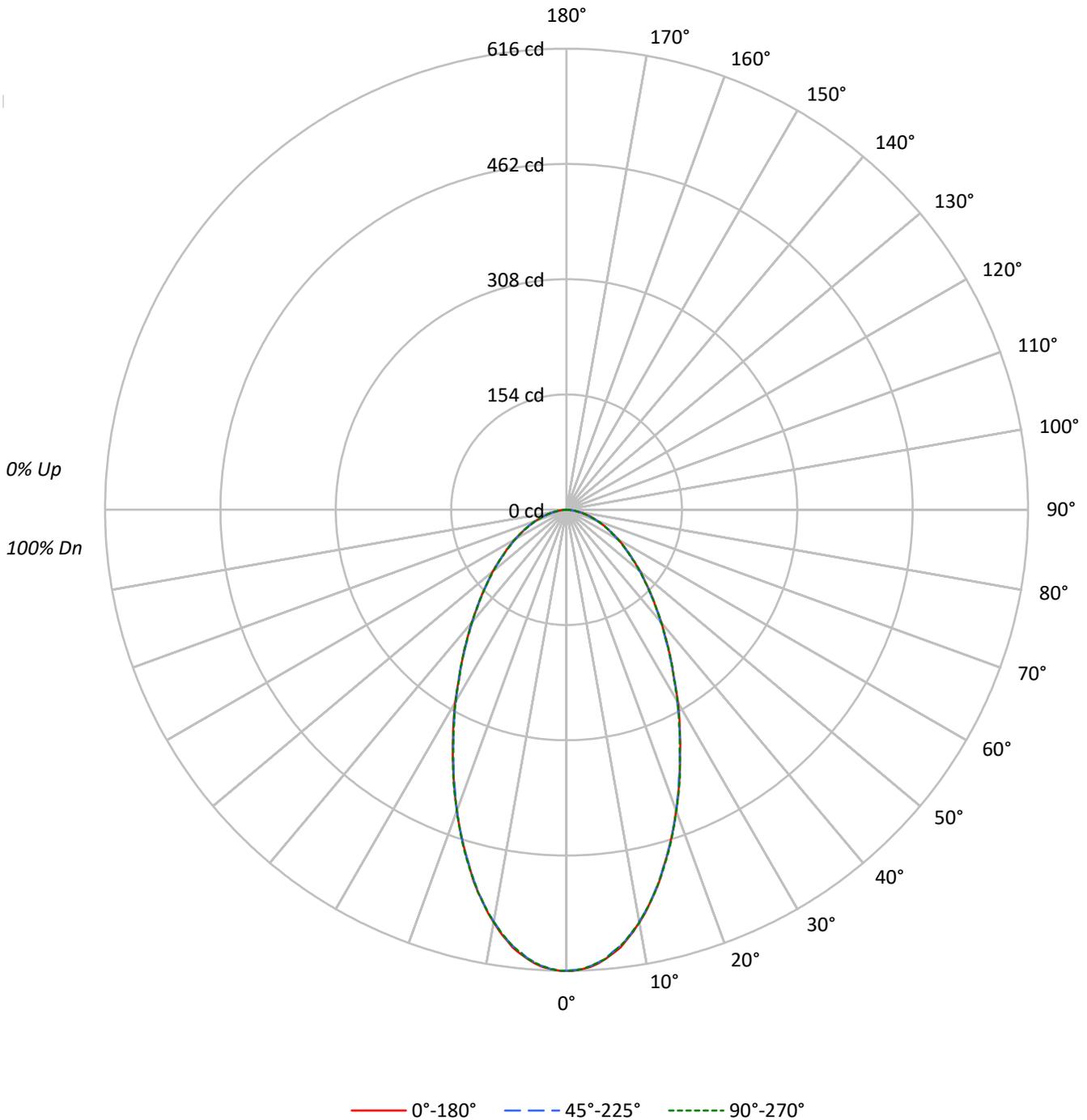
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 823.0 lumens
Efficiency: N/A
Efficacy: 56.4 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 (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

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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	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°	106089	106089	106089
5°	104109	103936	104109
10°	97898	97705	97898
15°	88632	88632	88810
20°	78442	78442	78442
25°	68220	68011	68011
30°	59143	58725	58924
35°	50921	50690	50921
40°	44177	43930	44177
45°	38799	38555	38555
50°	34429	34161	34161
55°	30296	30296	30296
60°	27452	27073	27452
65°	24655	24655	24655
70°	21904	21904	21904
75°	19763	19097	19763
80°	16860	16860	16860
85°	10473	10473	10473

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 38799 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.0	6.8
10°-20°	138.7	16.8
20°-30°	164.8	20.0
30°-40°	151.4	18.4
40°-50°	122.9	14.9
50°-60°	91.0	11.1
60°-70°	60.1	7.3
70°-80°	31.1	3.8
80°-90°	7.0	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°	359.4	43.7
0°-40°	510.9	62.1
0°-60°	724.8	88.1
0°-90°	823.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	823.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	616	616	616	616	616	
5°	602	601	601	601	602	56
15°	497	497	497	497	498	139
25°	359	358	358	359	358	165
35°	242	241	241	242	242	152
45°	159	158	158	158	158	123
55°	101	101	101	101	101	91
65°	60	60	60	60	60	60
75°	30	30	29	30	30	31
85°	5	5	5	5	5	7
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	616.0	616.0	616.0	616.0	616.0
1°	616.0	615.0	615.0	615.0	616.0
2°	613.9	613.9	613.9	613.9	613.9
3°	611.8	610.7	610.7	610.7	610.7
4°	607.5	606.5	606.5	606.5	606.5
5°	602.2	601.2	601.2	601.2	602.2
6°	595.9	594.8	593.7	593.7	594.8
7°	589.5	587.4	587.4	587.4	587.4
8°	579.9	578.9	578.9	578.9	578.9
9°	570.4	568.3	569.3	569.3	569.3
10°	559.8	558.7	558.7	558.7	559.8
11°	549.1	548.1	548.1	547.0	548.1
12°	536.4	536.4	536.4	536.4	536.4
13°	524.7	523.6	523.6	523.6	524.7
14°	512.0	510.9	510.9	510.9	510.9
15°	497.1	497.1	497.1	497.1	498.1
17.5°	463.1	462.0	463.1	463.1	464.2
20°	428.0	427.0	428.0	428.0	428.0
22.5°	393.0	393.0	391.9	393.0	394.1
25°	359.0	357.9	357.9	359.0	357.9
27.5°	327.1	326.1	326.1	326.1	326.1
30°	297.4	295.3	295.3	296.3	296.3
32.5°	266.6	266.6	267.7	266.6	266.6
35°	242.2	241.1	241.1	242.2	242.2
37.5°	217.7	216.7	216.7	217.7	217.7
40°	196.5	196.5	195.4	196.5	196.5
42.5°	176.3	176.3	176.3	176.3	176.3
45°	159.3	158.3	158.3	158.3	158.3
47.5°	142.3	142.3	142.3	141.3	142.3
50°	128.5	127.5	127.5	127.5	127.5
52.5°	113.7	113.7	113.7	113.7	113.7
55°	100.9	100.9	100.9	100.9	100.9
57.5°	90.3	89.2	89.2	89.2	89.2
60°	79.7	79.7	78.6	79.7	79.7
62.5°	69.0	69.0	69.0	69.0	69.0
65°	60.5	60.5	60.5	60.5	60.5
67.5°	52.0	52.0	52.0	52.0	52.0
70°	43.5	43.5	43.5	43.5	43.5
72.5°	37.2	36.1	36.1	36.1	36.1
75°	29.7	29.7	28.7	29.7	29.7
77.5°	22.3	22.3	22.3	22.3	22.3
80°	17.0	17.0	17.0	15.9	17.0
82.5°	10.6	10.6	10.6	10.6	10.6
85°	5.3	5.3	5.3	5.3	5.3
87.5°	1.1	1.1	1.1	2.1	2.1



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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)