

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: P1309253

Luminaire Tested: LDSQA3D13R309030DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309253
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R309030DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

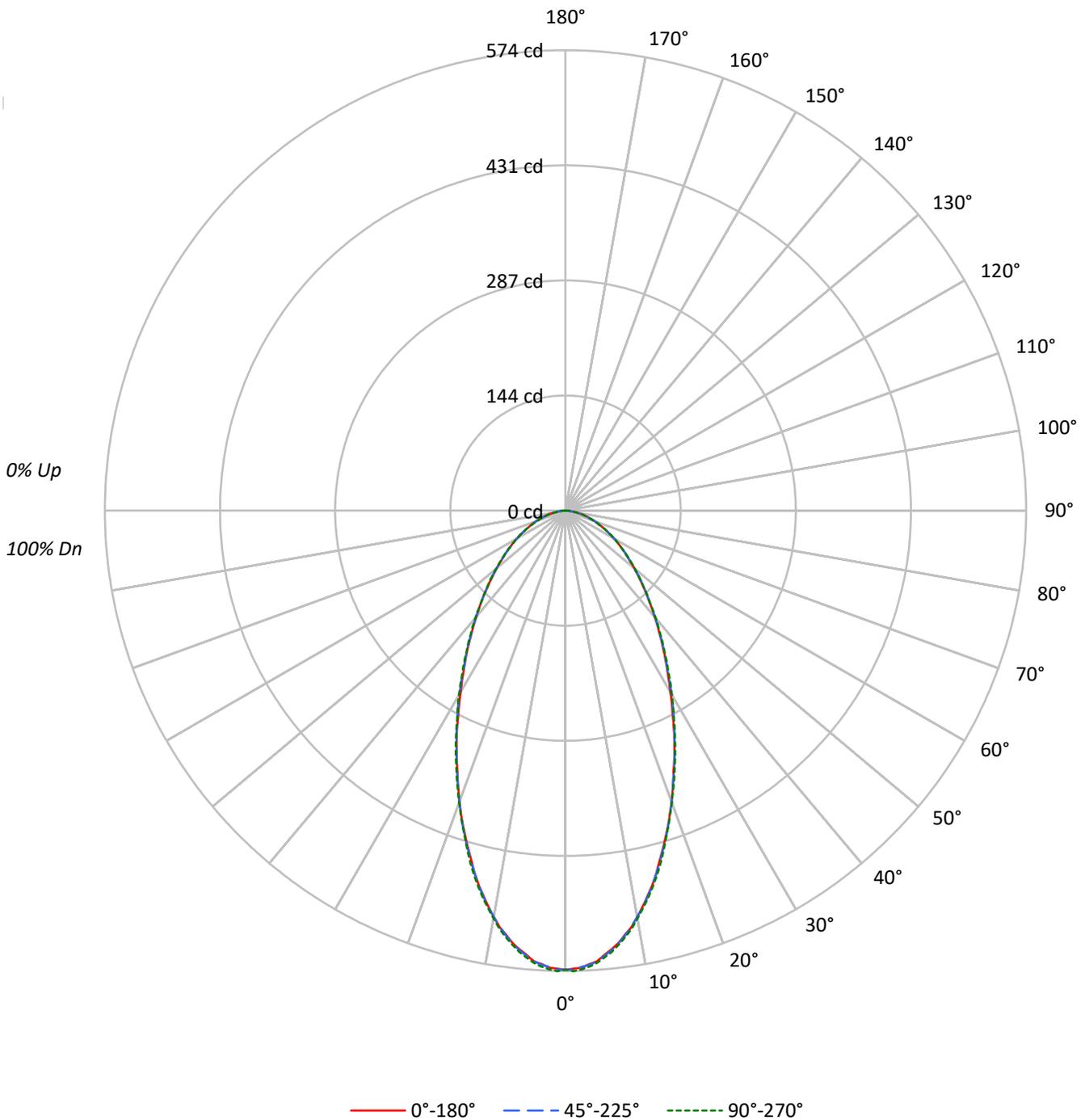
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 735.0 lumens
Efficiency: N/A
Efficacy: 50.3 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.9
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				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	102	99	101	98	96	97	95	93	93	92	90	90	90	90	88
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	79	79	79	77
3	95	86	80	74	93	85	79	74	82	77	72	79	75	71	77	73	70	70	70	70	68
4	89	78	71	65	86	77	70	65	75	69	64	73	67	63	71	66	62	62	62	62	60
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	56	56	56	54
6	77	66	58	52	76	65	58	52	63	57	52	62	56	51	60	55	51	51	51	51	49
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	47	47	47	47	45
8	68	56	49	44	67	56	48	43	54	48	43	53	47	43	52	47	43	43	43	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	40	40	40	38
10	61	49	42	37	60	48	42	37	48	41	37	47	41	37	46	41	37	37	37	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	98580	98580	98580
5°	96139	96329	96675
10°	89975	89975	90325
15°	80662	80858	81393
20°	70799	70799	71001
25°	61056	61056	61436
30°	51964	52560	52779
35°	44887	45098	45308
40°	38849	39096	39321
45°	33928	34171	34171
50°	29955	29955	30249
55°	26873	26873	26873
60°	24180	24180	24180
65°	21557	21557	21557
70°	19437	19437	19437
75°	17567	16902	16902
80°	15174	14083	14083
85°	10078	10078	10078

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 34171 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.8	7.1
10°-20°	126.4	17.2
20°-30°	147.6	20.1
30°-40°	134.3	18.3
40°-50°	108.5	14.8
50°-60°	80.1	10.9
60°-70°	52.8	7.2
70°-80°	27.3	3.7
80°-90°	6.2	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°	325.8	44.3
0°-40°	460.1	62.6
0°-60°	648.8	88.3
0°-90°	735.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	735.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	572	572	572	572	572	
5°	556	556	557	557	559	52
15°	452	454	454	454	456	126
25°	321	320	321	321	323	147
35°	214	212	214	214	216	134
45°	139	140	140	140	140	108
55°	90	88	90	88	90	80
65°	53	53	53	53	53	53
75°	26	25	25	25	25	28
85°	5	5	5	5	5	6
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	572.4	572.4	572.4	572.4	572.4
1°	571.4	571.4	572.4	571.4	574.4
2°	570.4	569.4	569.4	569.4	572.4
3°	566.3	566.3	567.3	566.3	569.4
4°	563.3	562.2	563.3	562.2	565.3
5°	556.1	556.1	557.2	557.2	559.2
6°	550.0	550.0	551.1	550.0	553.1
7°	542.9	542.9	542.9	542.9	545.0
8°	533.8	533.8	534.8	534.8	536.8
9°	525.6	524.6	524.6	524.6	527.7
10°	514.5	514.5	514.5	514.5	516.5
11°	503.3	503.3	503.3	503.3	505.3
12°	491.1	491.1	492.1	491.1	494.1
13°	479.9	479.9	479.9	479.9	481.9
14°	466.7	465.7	466.7	466.7	469.7
15°	452.4	453.5	453.5	453.5	456.5
17.5°	419.9	419.9	420.9	418.9	420.9
20°	386.3	385.3	386.3	386.3	387.4
22.5°	351.8	352.8	352.8	352.8	354.8
25°	321.3	320.3	321.3	321.3	323.3
27.5°	289.8	290.8	291.8	290.8	292.8
30°	261.3	263.3	264.3	262.3	265.4
32.5°	235.9	235.9	236.9	237.9	238.9
35°	213.5	212.5	214.5	214.5	215.5
37.5°	192.2	192.2	192.2	193.2	194.2
40°	172.8	172.8	173.9	173.9	174.9
42.5°	155.6	154.5	155.6	155.6	155.6
45°	139.3	140.3	140.3	140.3	140.3
47.5°	125.1	125.1	126.1	125.1	126.1
50°	111.8	111.8	111.8	111.8	112.9
52.5°	99.6	99.6	99.6	99.6	100.7
55°	89.5	88.5	89.5	88.5	89.5
57.5°	79.3	79.3	79.3	79.3	79.3
60°	70.2	69.1	70.2	69.1	70.2
62.5°	61.0	61.0	61.0	61.0	61.0
65°	52.9	52.9	52.9	52.9	52.9
67.5°	45.8	45.8	45.8	44.7	44.7
70°	38.6	38.6	38.6	38.6	38.6
72.5°	32.5	31.5	31.5	31.5	31.5
75°	26.4	25.4	25.4	25.4	25.4
77.5°	20.3	20.3	19.3	19.3	20.3
80°	15.3	14.2	14.2	14.2	14.2
82.5°	9.2	9.2	9.2	9.2	9.2
85°	5.1	5.1	5.1	5.1	5.1
87.5°	1.0	1.0	1.0	2.0	2.0



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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)