

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: P1318071

Luminaire Tested: LDSQA3D05R309830DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318071
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: LDSQA3D05R309830DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 98CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

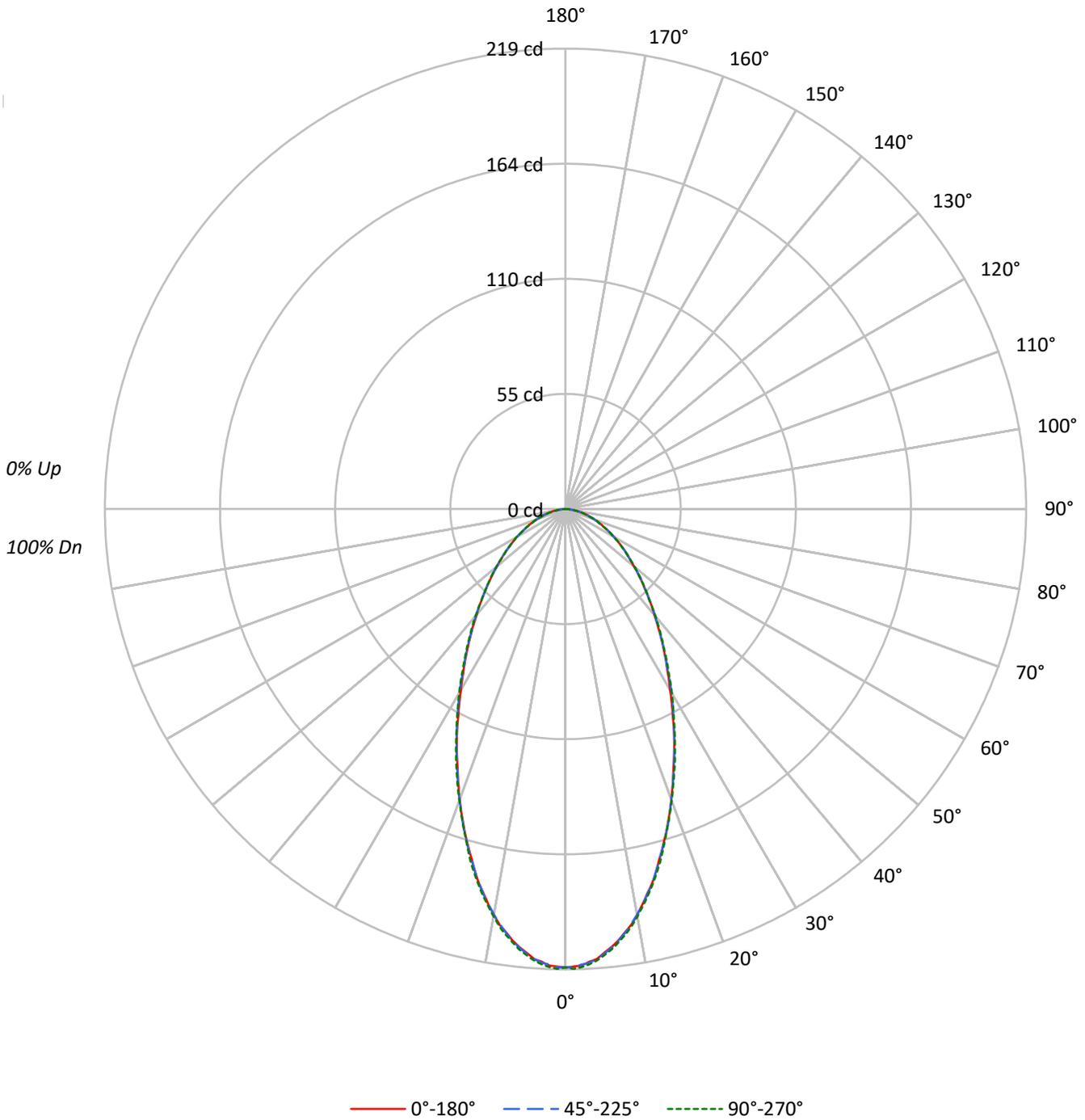
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 279.9 lumens
Efficiency: N/A
Efficacy: 38.9 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): 7.2
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

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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	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	87	77	70	65	75	69	64	73	67	63	71	66	62	62	62	62	61
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°	37562	37562	37562
5°	36633	36685	36824
10°	34276	34276	34416
15°	30739	30792	31006
20°	26978	26978	27051
25°	23259	23259	23411
30°	19787	20026	20105
35°	17093	17177	17261
40°	14793	14883	14973
45°	12933	13006	13006
50°	11414	11414	11521
55°	10239	10239	10239
60°	9197	9197	9197
65°	8191	8191	8191
70°	7402	7402	7402
75°	6721	6455	6455
80°	5752	5356	5356
85°	3754	3754	3754

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 13006 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.7	7.1
10°-20°	48.1	17.2
20°-30°	56.2	20.1
30°-40°	51.2	18.3
40°-50°	41.3	14.8
50°-60°	30.5	10.9
60°-70°	20.1	7.2
70°-80°	10.4	3.7
80°-90°	2.4	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°	124.1	44.3
0°-40°	175.3	62.6
0°-60°	247.1	88.3
0°-90°	279.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	279.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	218	218	218	218	218	
5°	212	212	212	212	213	20
15°	172	173	173	173	174	48
25°	122	122	122	122	123	56
35°	81	81	82	82	82	51
45°	53	53	53	53	53	41
55°	34	34	34	34	34	31
65°	20	20	20	20	20	20
75°	10	10	10	10	10	11
85°	2	2	2	2	2	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	218.1	218.1	218.1	218.1	218.1
1°	217.7	217.7	218.1	217.7	218.8
2°	217.3	216.9	216.9	216.9	218.1
3°	215.7	215.7	216.1	215.7	216.9
4°	214.6	214.2	214.6	214.2	215.3
5°	211.9	211.9	212.2	212.2	213.0
6°	209.5	209.5	209.9	209.5	210.7
7°	206.8	206.8	206.8	206.8	207.6
8°	203.3	203.3	203.7	203.7	204.5
9°	200.2	199.9	199.9	199.9	201.0
10°	196.0	196.0	196.0	196.0	196.8
11°	191.7	191.7	191.7	191.7	192.5
12°	187.1	187.1	187.5	187.1	188.2
13°	182.8	182.8	182.8	182.8	183.6
14°	177.8	177.4	177.8	177.8	178.9
15°	172.4	172.7	172.7	172.7	173.9
17.5°	160.0	160.0	160.3	159.6	160.3
20°	147.2	146.8	147.2	147.2	147.6
22.5°	134.0	134.4	134.4	134.4	135.2
25°	122.4	122.0	122.4	122.4	123.2
27.5°	110.4	110.8	111.2	110.8	111.5
30°	99.5	100.3	100.7	99.9	101.1
32.5°	89.9	89.9	90.2	90.6	91.0
35°	81.3	80.9	81.7	81.7	82.1
37.5°	73.2	73.2	73.2	73.6	74.0
40°	65.8	65.8	66.2	66.2	66.6
42.5°	59.3	58.9	59.3	59.3	59.3
45°	53.1	53.4	53.4	53.4	53.4
47.5°	47.6	47.6	48.0	47.6	48.0
50°	42.6	42.6	42.6	42.6	43.0
52.5°	38.0	38.0	38.0	38.0	38.3
55°	34.1	33.7	34.1	33.7	34.1
57.5°	30.2	30.2	30.2	30.2	30.2
60°	26.7	26.3	26.7	26.3	26.7
62.5°	23.2	23.2	23.2	23.2	23.2
65°	20.1	20.1	20.1	20.1	20.1
67.5°	17.4	17.4	17.4	17.0	17.0
70°	14.7	14.7	14.7	14.7	14.7
72.5°	12.4	12.0	12.0	12.0	12.0
75°	10.1	9.7	9.7	9.7	9.7
77.5°	7.7	7.7	7.4	7.4	7.7
80°	5.8	5.4	5.4	5.4	5.4
82.5°	3.5	3.5	3.5	3.5	3.5
85°	1.9	1.9	1.9	1.9	1.9
87.5°	0.4	0.4	0.4	0.8	0.8



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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)