

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: P1317195

Luminaire Tested: LDSQA3D05R309827DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317195
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: LDSQA3D05R309827DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 98CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

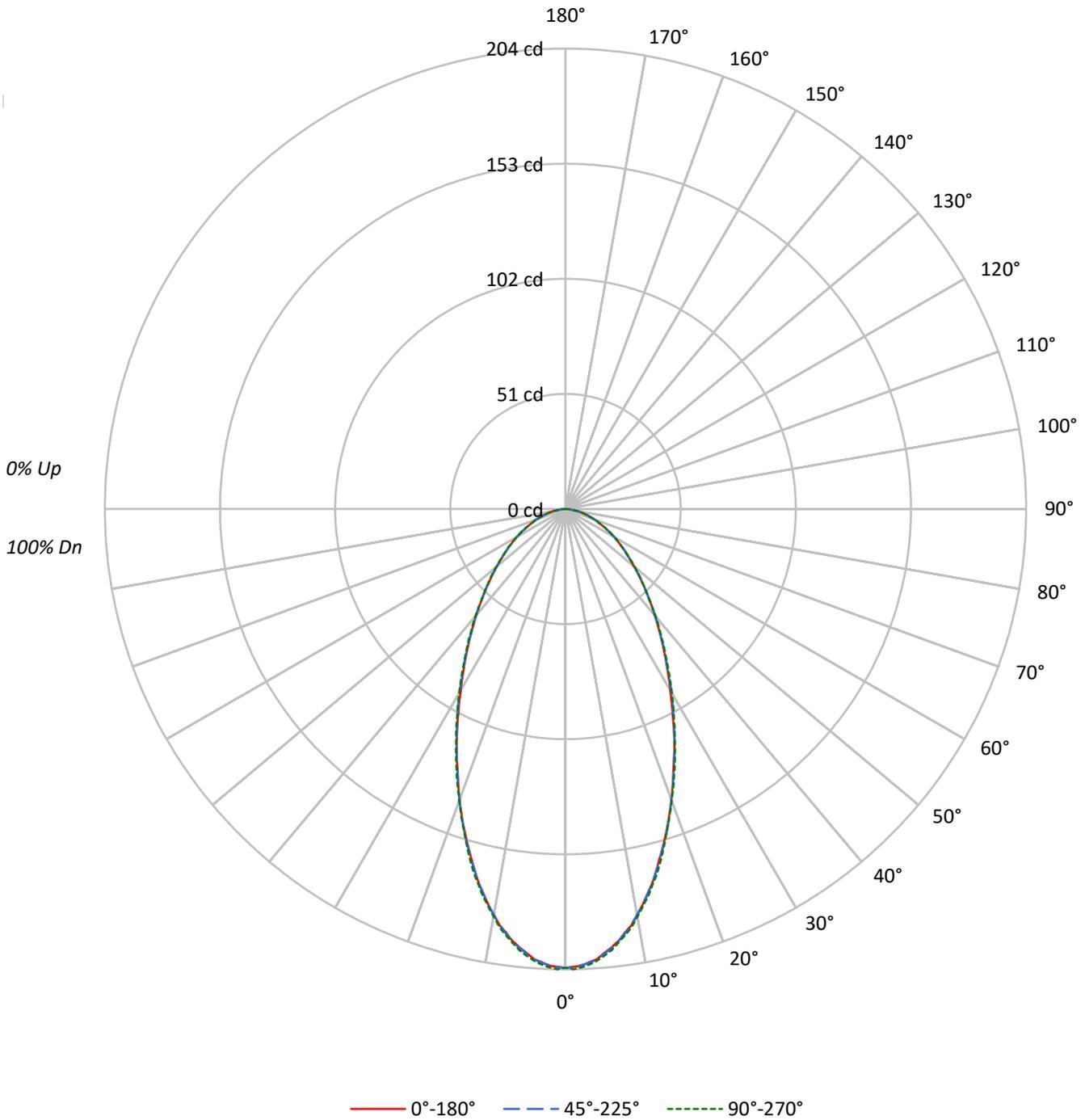
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 261.0 lumens
Efficiency: N/A
Efficacy: 36.3 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): 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	0
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	102	99	101	98	96	97	95	93	93	92	90	88
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77
3	95	86	80	74	93	85	79	73	82	77	72	79	75	71	77	73	70	68
4	89	78	71	65	86	77	70	65	75	69	64	73	67	63	71	66	62	60
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	54
6	77	66	58	52	76	65	58	52	63	57	52	62	56	51	60	55	51	49
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	47	45
8	68	56	49	44	67	56	48	43	54	48	43	53	47	43	52	47	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	38
10	61	49	42	37	60	48	42	37	48	41	37	47	41	37	46	41	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	35013	35013	35013
5°	34144	34196	34334
10°	31950	31950	32073
15°	28652	28706	28902
20°	25145	25145	25219
25°	21682	21682	21815
30°	18455	18673	18733
35°	15937	16021	16084
40°	13804	13871	13961
45°	12056	12129	12129
50°	10637	10637	10744
55°	9548	9548	9548
60°	8577	8577	8577
65°	7661	7661	7661
70°	6899	6899	6899
75°	6255	5989	5989
80°	5356	5058	5058
85°	3557	3557	3557

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 12129 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.4	7.1
10°-20°	44.9	17.2
20°-30°	52.4	20.1
30°-40°	47.7	18.3
40°-50°	38.5	14.8
50°-60°	28.5	10.9
60°-70°	18.7	7.2
70°-80°	9.7	3.7
80°-90°	2.2	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°	115.7	44.3
0°-40°	163.4	62.6
0°-60°	230.4	88.3
0°-90°	261.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	261.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	203	203	203	203	203	
5°	198	198	198	198	199	18
15°	161	161	161	161	162	45
25°	114	114	114	114	115	52
35°	76	76	76	76	76	48
45°	50	50	50	50	50	38
55°	32	31	32	31	32	29
65°	19	19	19	19	19	19
75°	9	9	9	9	9	10
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°	203.3	203.3	203.3	203.3	203.3
1°	202.9	202.9	203.3	202.9	204.0
2°	202.5	202.2	202.2	202.2	203.3
3°	201.1	201.1	201.5	201.1	202.2
4°	200.0	199.7	200.0	199.7	200.7
5°	197.5	197.5	197.8	197.8	198.6
6°	195.3	195.3	195.7	195.3	196.4
7°	192.8	192.8	192.8	192.8	193.5
8°	189.5	189.5	189.9	189.9	190.6
9°	186.7	186.3	186.3	186.3	187.4
10°	182.7	182.7	182.7	182.7	183.4
11°	178.7	178.7	178.7	178.7	179.4
12°	174.4	174.4	174.7	174.4	175.5
13°	170.4	170.4	170.4	170.4	171.1
14°	165.7	165.4	165.7	165.7	166.8
15°	160.7	161.0	161.0	161.0	162.1
17.5°	149.1	149.1	149.5	148.7	149.5
20°	137.2	136.8	137.2	137.2	137.6
22.5°	124.9	125.3	125.3	125.3	126.0
25°	114.1	113.7	114.1	114.1	114.8
27.5°	102.9	103.3	103.6	103.3	104.0
30°	92.8	93.5	93.9	93.1	94.2
32.5°	83.8	83.8	84.1	84.5	84.8
35°	75.8	75.5	76.2	76.2	76.5
37.5°	68.2	68.2	68.2	68.6	69.0
40°	61.4	61.4	61.7	61.7	62.1
42.5°	55.2	54.9	55.2	55.2	55.2
45°	49.5	49.8	49.8	49.8	49.8
47.5°	44.4	44.4	44.8	44.4	44.8
50°	39.7	39.7	39.7	39.7	40.1
52.5°	35.4	35.4	35.4	35.4	35.7
55°	31.8	31.4	31.8	31.4	31.8
57.5°	28.2	28.2	28.2	28.2	28.2
60°	24.9	24.6	24.9	24.6	24.9
62.5°	21.7	21.7	21.7	21.7	21.7
65°	18.8	18.8	18.8	18.8	18.8
67.5°	16.2	16.2	16.2	15.9	15.9
70°	13.7	13.7	13.7	13.7	13.7
72.5°	11.6	11.2	11.2	11.2	11.2
75°	9.4	9.0	9.0	9.0	9.0
77.5°	7.2	7.2	6.9	6.9	7.2
80°	5.4	5.1	5.1	5.1	5.1
82.5°	3.2	3.2	3.2	3.2	3.2
85°	1.8	1.8	1.8	1.8	1.8
87.5°	0.4	0.4	0.4	0.7	0.7



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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)