

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: P1319806

Luminaire Tested: LDSQA3D05R259840DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1319806  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R259840DE010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 98CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

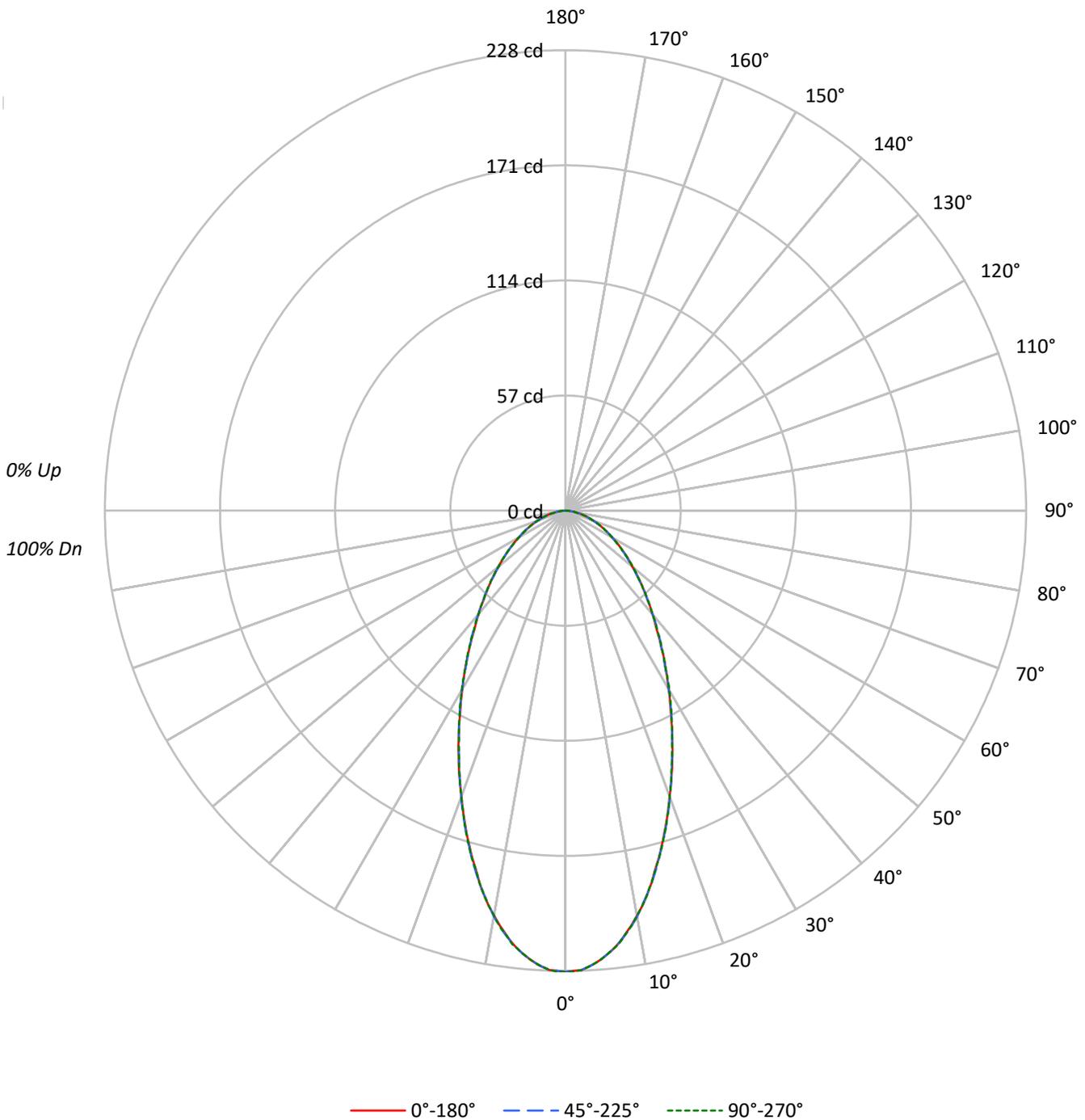
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 286.0 lumens  
Efficiency: N/A  
Efficacy: 39.7 lumens/watt  
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.89  
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	86	100	94	89	85	91	86	83	88	84	81	85	82	79	79	79	79	77
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	70	70	70	68
4	89	79	71	65	87	77	70	65	75	69	64	73	68	63	71	66	63	63	63	63	61
5	83	72	64	58	81	71	63	58	69	62	58	67	61	57	65	60	56	56	56	56	55
6	77	66	58	53	76	65	58	52	63	57	52	62	56	52	60	55	51	51	51	51	49
7	73	61	53	48	71	60	53	48	59	52	47	57	51	47	56	51	47	47	47	47	45
8	68	56	49	44	67	56	49	44	55	48	44	53	48	43	52	47	43	43	43	43	41
9	64	53	45	40	63	52	45	40	51	45	40	50	44	40	49	44	40	40	40	40	38
10	61	49	42	37	60	49	42	37	48	42	37	47	41	37	46	41	37	37	37	37	35

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	39336	39336	39336
5°	38345	38345	38345
10°	35623	35693	35623
15°	31773	31844	31844
20°	27620	27693	27620
25°	23791	23715	23715
30°	20304	20364	20443
35°	17408	17408	17492
40°	15085	15085	15085
45°	13201	13201	13201
50°	11575	11575	11682
55°	10359	10359	10359
60°	9197	9197	9197
65°	8313	8313	8313
70°	7503	7301	7503
75°	6787	6521	6521
80°	5455	5455	5455
85°	3952	3952	3952

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 13201 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	20.6	7.2
10°-20°	49.7	17.4
20°-30°	57.5	20.1
30°-40°	52.1	18.2
40°-50°	42.0	14.7
50°-60°	30.9	10.8
60°-70°	20.4	7.1
70°-80°	10.5	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°	127.8	44.7
0°-40°	179.9	62.9
0°-60°	252.8	88.4
0°-90°	286.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	286.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	228	228	228	228	228	
5°	222	223	222	222	222	21
15°	178	179	179	178	179	50
25°	125	125	125	125	125	57
35°	83	83	83	83	83	52
45°	54	54	54	54	54	42
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°	228.4	228.4	228.4	228.4	228.4
1°	228.0	228.8	228.0	228.0	228.4
2°	227.7	228.0	227.7	227.7	227.7
3°	226.1	226.9	226.1	226.1	226.1
4°	224.1	224.9	224.1	224.1	224.1
5°	221.8	222.6	221.8	221.8	221.8
6°	219.0	219.4	219.0	219.0	219.0
7°	215.9	216.3	215.9	215.9	216.3
8°	212.0	212.3	212.3	212.0	212.0
9°	208.0	208.4	208.4	208.0	208.4
10°	203.7	204.1	204.1	203.7	203.7
11°	199.4	199.8	199.0	199.0	199.4
12°	194.3	194.7	194.3	194.3	194.3
13°	189.2	189.2	189.2	189.2	189.2
14°	183.3	184.1	184.1	183.7	183.3
15°	178.2	178.6	178.6	178.2	178.6
17.5°	164.5	165.2	164.9	164.9	164.9
20°	150.7	151.1	151.1	150.7	150.7
22.5°	137.8	137.4	137.4	137.4	137.4
25°	125.2	124.8	124.8	125.2	124.8
27.5°	113.0	113.4	113.4	113.0	113.4
30°	102.1	102.1	102.4	102.1	102.8
32.5°	92.2	92.2	91.8	92.2	92.2
35°	82.8	82.8	82.8	82.8	83.2
37.5°	74.2	74.6	75.0	75.0	74.6
40°	67.1	67.1	67.1	67.1	67.1
42.5°	60.1	60.1	60.4	60.4	60.4
45°	54.2	54.2	54.2	54.2	54.2
47.5°	48.7	48.7	48.3	48.3	48.7
50°	43.2	43.6	43.2	43.2	43.6
52.5°	38.9	38.5	38.5	38.9	38.9
55°	34.5	34.5	34.5	34.1	34.5
57.5°	30.6	30.6	30.2	30.2	30.2
60°	26.7	26.7	26.7	26.7	26.7
62.5°	23.6	23.6	23.6	23.6	23.6
65°	20.4	20.4	20.4	20.4	20.4
67.5°	17.7	17.7	17.7	17.7	17.3
70°	14.9	14.9	14.5	14.5	14.9
72.5°	12.2	12.2	12.2	12.2	12.2
75°	10.2	9.8	9.8	9.8	9.8
77.5°	7.9	7.9	7.5	7.9	7.5
80°	5.5	5.5	5.5	5.5	5.5
82.5°	3.9	3.5	3.5	3.5	3.5
85°	2.0	2.0	2.0	2.0	2.0
87.5°	0.4	0.4	0.4	0.4	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)