

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: P1319807

Luminaire Tested: LDSQA3D05R259840DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1319807  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R259840DE010 3LSQPHRLP1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 98CRI , 3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

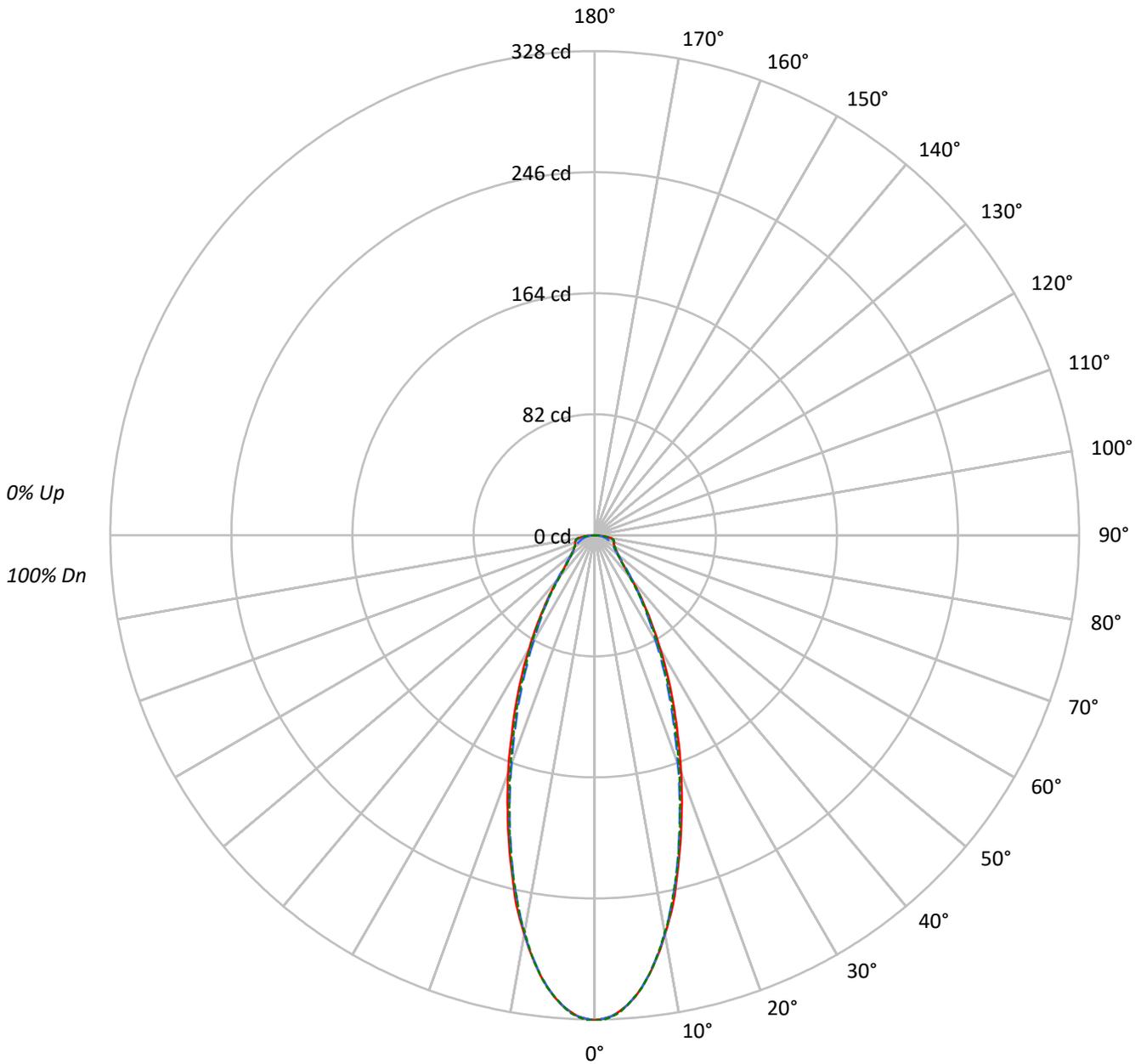
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 248.0 lumens  
Efficiency: N/A  
Efficacy: 34.4 lumens/watt  
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68  
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 (A<sub>in</sub>): 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



— 0°-180°    - - 45°-225°    - - - 90°-270°



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CATALOG NUMBER: LDSQA3D05R259840DE010 3LSQPHRLP1MW

**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	100	100	100	100
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89	89	89	89
2	104	98	92	88	102	96	91	87	93	89	85	89	86	83	87	84	81	80	80	80	80
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72	72	72	72
4	92	83	76	71	90	81	75	70	79	74	69	77	72	69	75	71	68	66	66	66	66
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	63	61	61	61	61
6	82	72	65	60	80	71	64	59	69	63	59	68	62	59	66	62	58	56	56	56	56
7	78	67	60	55	76	66	60	55	65	59	55	64	58	55	62	58	54	53	53	53	53
8	74	63	56	52	72	62	56	52	61	55	51	60	55	51	59	54	51	49	49	49	49
9	70	60	53	49	69	59	53	48	58	52	48	57	52	48	56	51	48	46	46	46	46
10	67	56	50	46	66	56	50	46	55	49	46	54	49	45	53	49	45	44	44	44	44

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

	0°	45°	90°
0°	56558	56558	56558
5°	54267	54198	54198
10°	47969	47899	47760
15°	39618	39047	39261
20°	31377	30094	30589
25°	23905	22632	23240
30°	17619	16367	17063
35°	12615	12026	12194
40°	8633	8813	8363
45°	6406	6771	6308
50°	5573	5573	5466
55°	5285	5044	5285
60°	5408	4994	5408
65°	5909	5094	5909
70°	7100	5136	6899
75°	8850	5456	8850
80°	11306	5852	10513
85°	9287	5335	9287

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 11306 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	28.7	11.6
10°-20°	60.9	24.5
20°-30°	55.8	22.5
30°-40°	36.8	14.8
40°-50°	21.4	8.6
50°-60°	15.6	6.3
60°-70°	13.3	5.4
70°-80°	11.0	4.4
80°-90°	4.5	1.8
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°	145.3	58.6
0°-40°	182.1	73.4
0°-60°	219.2	88.4
0°-90°	248.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	248.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	328	328	328	328	328	
5°	314	314	314	314	314	29
15°	222	221	219	220	220	62
25°	126	122	119	120	122	58
35°	60	59	57	57	58	38
45°	26	27	28	26	26	21
55°	18	18	17	17	18	16
65°	14	13	12	13	14	14
75°	13	10	8	10	13	14
85°	5	5	3	5	5	5
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	328.4	328.4	328.4	328.4	328.4
1°	327.6	327.6	327.6	327.6	328.4
2°	326.0	325.6	326.0	326.0	326.4
3°	322.9	322.9	322.9	322.9	323.7
4°	319.0	319.0	319.0	319.0	319.0
5°	313.9	313.5	313.5	313.9	313.5
6°	307.6	307.6	307.6	307.6	308.0
7°	300.5	300.2	300.2	299.8	300.5
8°	292.3	292.3	291.9	291.5	292.3
9°	283.7	284.1	283.3	282.9	282.9
10°	274.3	273.9	273.9	273.9	273.1
11°	264.9	263.7	263.3	263.3	264.1
12°	255.5	253.5	252.7	252.7	252.7
13°	244.1	243.3	242.2	241.4	241.8
14°	232.8	232.8	230.8	230.8	231.6
15°	222.2	221.4	219.0	219.8	220.2
17.5°	195.9	194.4	191.6	191.6	192.0
20°	171.2	168.5	164.2	166.1	166.9
22.5°	146.9	144.2	139.9	141.8	142.6
25°	125.8	122.3	119.1	119.5	122.3
27.5°	106.6	102.7	99.5	100.7	102.3
30°	88.6	86.2	82.3	84.2	85.8
32.5°	73.3	71.3	68.6	69.7	71.3
35°	60.0	58.8	57.2	57.2	58.0
37.5°	48.6	48.2	47.4	47.0	46.6
40°	38.4	39.2	39.2	38.4	37.2
42.5°	31.3	32.1	32.9	31.3	30.2
45°	26.3	27.0	27.8	26.3	25.9
47.5°	23.1	23.5	23.9	23.1	22.7
50°	20.8	20.8	20.8	20.4	20.4
52.5°	19.2	18.8	18.4	18.8	18.8
55°	17.6	17.6	16.8	17.2	17.6
57.5°	16.5	16.1	15.7	16.1	16.5
60°	15.7	14.9	14.5	14.9	15.7
62.5°	14.9	14.1	13.3	14.1	14.9
65°	14.5	13.3	12.5	13.3	14.5
67.5°	14.1	12.5	11.4	12.5	14.1
70°	14.1	11.8	10.2	11.8	13.7
72.5°	13.7	11.0	9.4	11.0	13.7
75°	13.3	10.2	8.2	10.2	13.3
77.5°	12.9	9.4	7.1	9.4	12.5
80°	11.4	8.6	5.9	8.6	10.6
82.5°	8.2	7.1	4.7	7.1	7.8
85°	4.7	5.1	2.7	5.1	4.7
87.5°	0.8	1.2	0.8	2.0	1.6



TEST NUMBER: P1319807

CATALOG NUMBER: LDSQA3D05R259840DE010 3LSQPHRLP1MW

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)