

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: P1320424

Luminaire Tested: LDSQA3D20R359840D010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1320424  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R359840D010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 98CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

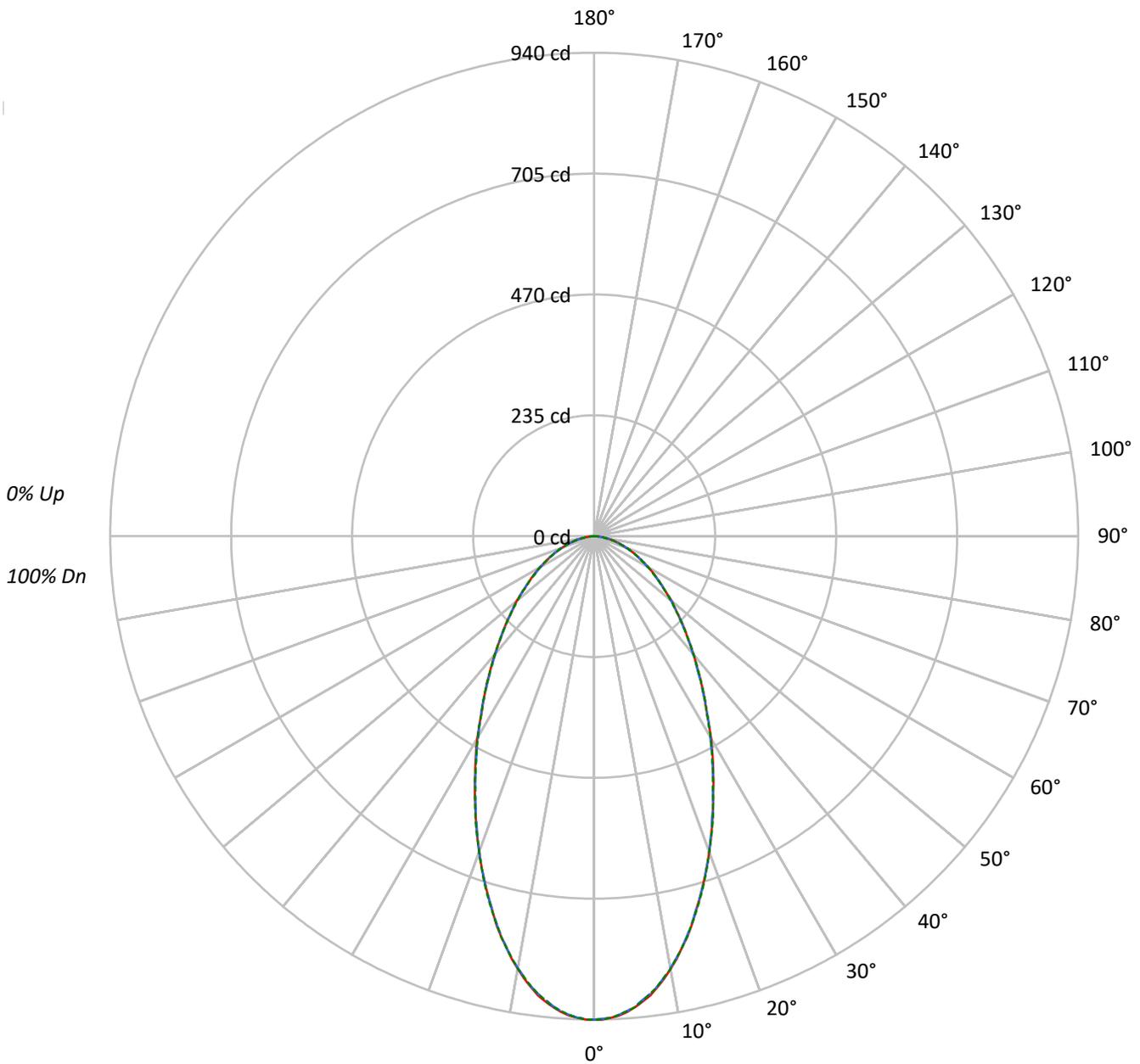
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1256.0 lumens  
Efficiency: N/A  
Efficacy: 45.8 lumens/watt  
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 27.4  
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



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



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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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	100	
1	111	107	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	90	88	
2	103	96	90	85	100	94	89	84	90	86	82	87	84	81	84	81	79	79	77	
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	70	68	
4	88	78	71	65	86	77	70	65	75	68	64	72	67	63	70	66	62	62	60	
5	82	71	64	58	80	70	63	58	68	62	57	66	61	56	65	60	56	56	54	
6	77	65	58	52	75	65	57	52	63	56	51	61	55	51	60	55	51	51	49	
7	72	60	53	47	71	60	52	47	58	52	47	57	51	46	55	50	46	46	44	
8	68	56	48	43	66	55	48	43	54	47	43	53	47	43	52	46	42	42	41	
9	64	52	45	40	63	51	44	40	50	44	39	49	44	39	48	43	39	39	38	
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36	36	35	

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

	0°	45°	90°
0°	161924	161924	161924
5°	158894	158618	158894
10°	149400	149102	149400
15°	135257	135257	135542
20°	119734	119734	119734
25°	104116	103812	103812
30°	90265	89609	89947
35°	77707	77370	77707
40°	67424	67064	67424
45°	59209	58820	58820
50°	52541	52113	52113
55°	46240	46240	46240
60°	41885	41333	41885
65°	37654	37654	37654
70°	33486	33486	33486
75°	30210	29145	30210
80°	25687	25687	25687
85°	16006	16006	16006

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 59209 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	85.5	6.8
10°-20°	211.6	16.8
20°-30°	251.4	20.0
30°-40°	231.1	18.4
40°-50°	187.6	14.9
50°-60°	138.8	11.1
60°-70°	91.7	7.3
70°-80°	47.5	3.8
80°-90°	10.7	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°	548.6	43.7
0°-40°	779.6	62.1
0°-60°	1106.1	88.1
0°-90°	1256.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1256.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	940	940	940	940	940	
5°	919	918	918	918	919	86
15°	759	759	759	759	760	212
25°	548	546	546	548	546	252
35°	370	368	368	370	370	231
45°	243	242	242	242	242	188
55°	154	154	154	154	154	139
65°	92	92	92	92	92	92
75°	45	45	44	45	45	48
85°	8	8	8	8	8	11
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	940.2	940.2	940.2	940.2	940.2
1°	940.2	938.5	938.5	938.5	940.2
2°	936.9	936.9	936.9	936.9	936.9
3°	933.7	932.1	932.1	932.1	932.1
4°	927.2	925.6	925.6	925.6	925.6
5°	919.1	917.5	917.5	917.5	919.1
6°	909.4	907.7	906.1	906.1	907.7
7°	899.6	896.4	896.4	896.4	896.4
8°	885.1	883.4	883.4	883.4	883.4
9°	870.5	867.2	868.8	868.8	868.8
10°	854.3	852.6	852.6	852.6	854.3
11°	838.0	836.4	836.4	834.8	836.4
12°	818.6	818.6	818.6	818.6	818.6
13°	800.8	799.1	799.1	799.1	800.8
14°	781.3	779.7	779.7	779.7	779.7
15°	758.6	758.6	758.6	758.6	760.2
17.5°	706.7	705.1	706.7	706.7	708.4
20°	653.3	651.6	653.3	653.3	653.3
22.5°	599.8	599.8	598.1	599.8	601.4
25°	547.9	546.3	546.3	547.9	546.3
27.5°	499.3	497.6	497.6	497.6	497.6
30°	453.9	450.6	450.6	452.3	452.3
32.5°	406.9	406.9	408.5	406.9	406.9
35°	369.6	368.0	368.0	369.6	369.6
37.5°	332.3	330.7	330.7	332.3	332.3
40°	299.9	299.9	298.3	299.9	299.9
42.5°	269.1	269.1	269.1	269.1	269.1
45°	243.1	241.5	241.5	241.5	241.5
47.5°	217.2	217.2	217.2	215.6	217.2
50°	196.1	194.5	194.5	194.5	194.5
52.5°	173.4	173.4	173.4	173.4	173.4
55°	154.0	154.0	154.0	154.0	154.0
57.5°	137.8	136.2	136.2	136.2	136.2
60°	121.6	121.6	120.0	121.6	121.6
62.5°	105.4	105.4	105.4	105.4	105.4
65°	92.4	92.4	92.4	92.4	92.4
67.5°	79.4	79.4	79.4	79.4	79.4
70°	66.5	66.5	66.5	66.5	66.5
72.5°	56.7	55.1	55.1	55.1	55.1
75°	45.4	45.4	43.8	45.4	45.4
77.5°	34.0	34.0	34.0	34.0	34.0
80°	25.9	25.9	25.9	24.3	25.9
82.5°	16.2	16.2	16.2	16.2	16.2
85°	8.1	8.1	8.1	8.1	8.1
87.5°	1.6	1.6	1.6	3.2	3.2



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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)