

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: P1309037

Luminaire Tested: LDSQA3D09R159030DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309037  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R159030DE010 3LSQPHRLP1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

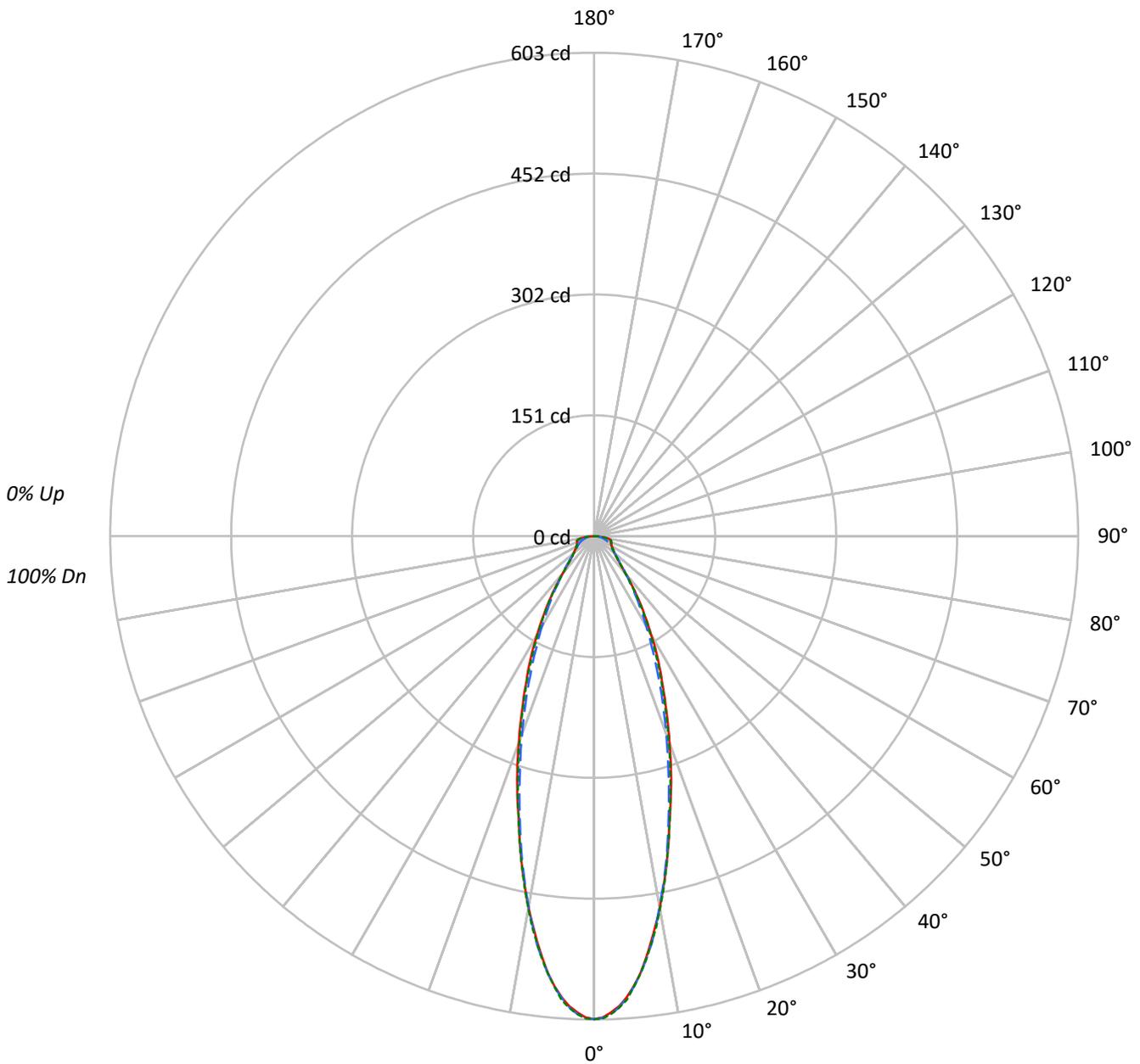
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 404.0 lumens  
Efficiency: N/A  
Efficacy: 36.4 lumens/watt  
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.1  
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% Up  
100% Dn

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



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				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	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	91	91	91	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	82	82	82	80
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	74	74	74	73
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	71	68	68	68	68	66
5	87	77	70	65	85	76	70	65	74	69	64	72	68	64	71	67	63	63	63	63	61
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	59	59	59	57
7	78	68	61	56	77	67	60	56	66	60	56	64	59	55	63	58	55	55	55	55	53
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	52	52	52	50
9	71	60	54	49	70	60	53	49	59	53	49	58	53	49	57	52	49	49	49	49	47
10	68	57	51	47	67	57	51	47	56	50	46	55	50	46	54	49	46	46	46	46	45

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

	0°	45°	90°
0°	103781	103781	103781
5°	97470	97608	97608
10°	82333	82088	82596
15°	64758	63849	64883
20°	50327	48037	49649
25°	37986	35345	37435
30°	28259	25773	27662
35°	20162	18775	19868
40°	13669	13826	13489
45°	10156	10692	10156
50°	8842	8842	8842
55°	8587	8137	8587
60°	8818	8060	8577
65°	9536	8354	9536
70°	11430	8460	11430
75°	14639	8784	14639
80°	18150	9422	17456
85°	14425	8695	16006

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 18150 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	50.8	12.6
10°-20°	100.5	24.9
20°-30°	88.8	22.0
30°-40°	58.3	14.4
40°-50°	34.1	8.4
50°-60°	25.1	6.2
60°-70°	21.4	5.3
70°-80°	17.6	4.4
80°-90°	7.3	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°	240.1	59.4
0°-40°	298.5	73.9
0°-60°	357.7	88.5
0°-90°	404.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	404.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	603	603	603	603	603	
5°	564	564	565	565	565	51
15°	363	363	358	362	364	102
25°	200	193	186	191	197	92
35°	96	92	89	92	94	60
45°	42	42	44	42	42	34
55°	29	28	27	28	29	26
65°	23	21	20	21	23	23
75°	22	16	13	17	22	22
85°	7	8	4	7	8	8
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	602.6	602.6	602.6	602.6	602.6
1°	600.4	601.2	601.2	601.9	601.9
2°	594.6	596.1	596.8	596.8	596.8
3°	587.3	588.0	588.7	589.5	589.5
4°	577.0	577.7	577.7	579.2	579.9
5°	563.8	563.8	564.6	565.3	564.6
6°	548.5	548.5	549.2	549.2	549.2
7°	530.2	530.9	531.6	532.3	531.6
8°	510.4	511.1	513.3	513.3	512.6
9°	490.6	491.3	491.3	493.5	493.5
10°	470.8	470.8	469.4	470.8	472.3
12.5°	417.4	416.7	414.5	416.7	418.1
15°	363.2	363.2	358.1	362.5	363.9
17.5°	319.3	312.7	307.5	311.9	315.6
20°	274.6	268.0	262.1	266.5	270.9
22.5°	234.3	229.2	221.9	226.3	231.4
25°	199.9	193.3	186.0	191.1	197.0
27.5°	171.3	162.6	155.2	161.1	166.2
30°	142.1	136.2	129.6	134.0	139.1
32.5°	117.2	112.8	107.6	111.3	115.7
35°	95.9	92.3	89.3	91.5	94.5
37.5°	76.9	75.4	74.0	74.7	74.7
40°	60.8	61.5	61.5	61.5	60.0
42.5°	49.8	50.5	52.0	50.5	49.8
45°	41.7	42.5	43.9	42.5	41.7
47.5°	36.6	37.3	38.1	36.6	36.6
50°	33.0	33.0	33.0	33.0	33.0
52.5°	30.8	30.0	30.0	30.0	30.8
55°	28.6	27.8	27.1	27.8	28.6
57.5°	26.4	25.6	24.9	25.6	26.4
60°	25.6	24.2	23.4	24.2	24.9
62.5°	24.2	22.7	22.0	22.7	24.2
65°	23.4	21.2	20.5	21.2	23.4
67.5°	22.7	19.8	18.3	19.8	22.7
70°	22.7	18.3	16.8	19.0	22.7
72.5°	22.0	17.6	14.6	17.6	22.0
75°	22.0	16.1	13.2	16.8	22.0
77.5°	20.5	14.6	11.0	15.4	20.5
80°	18.3	13.2	9.5	13.9	17.6
82.5°	13.2	11.0	7.3	11.0	13.2
85°	7.3	8.1	4.4	7.3	8.1
87.5°	0.7	2.2	1.5	4.4	3.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)