

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: P1312962

Luminaire Tested: LDSQA3D24R159050D010 3LSQPHR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1312962  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D24R159050D010 3LSQPHR1MMS  
Description: 3in Adjustable LED luminaire with, R15 optic, 5000K CCT AND, 90CRI , 3LSQPHR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

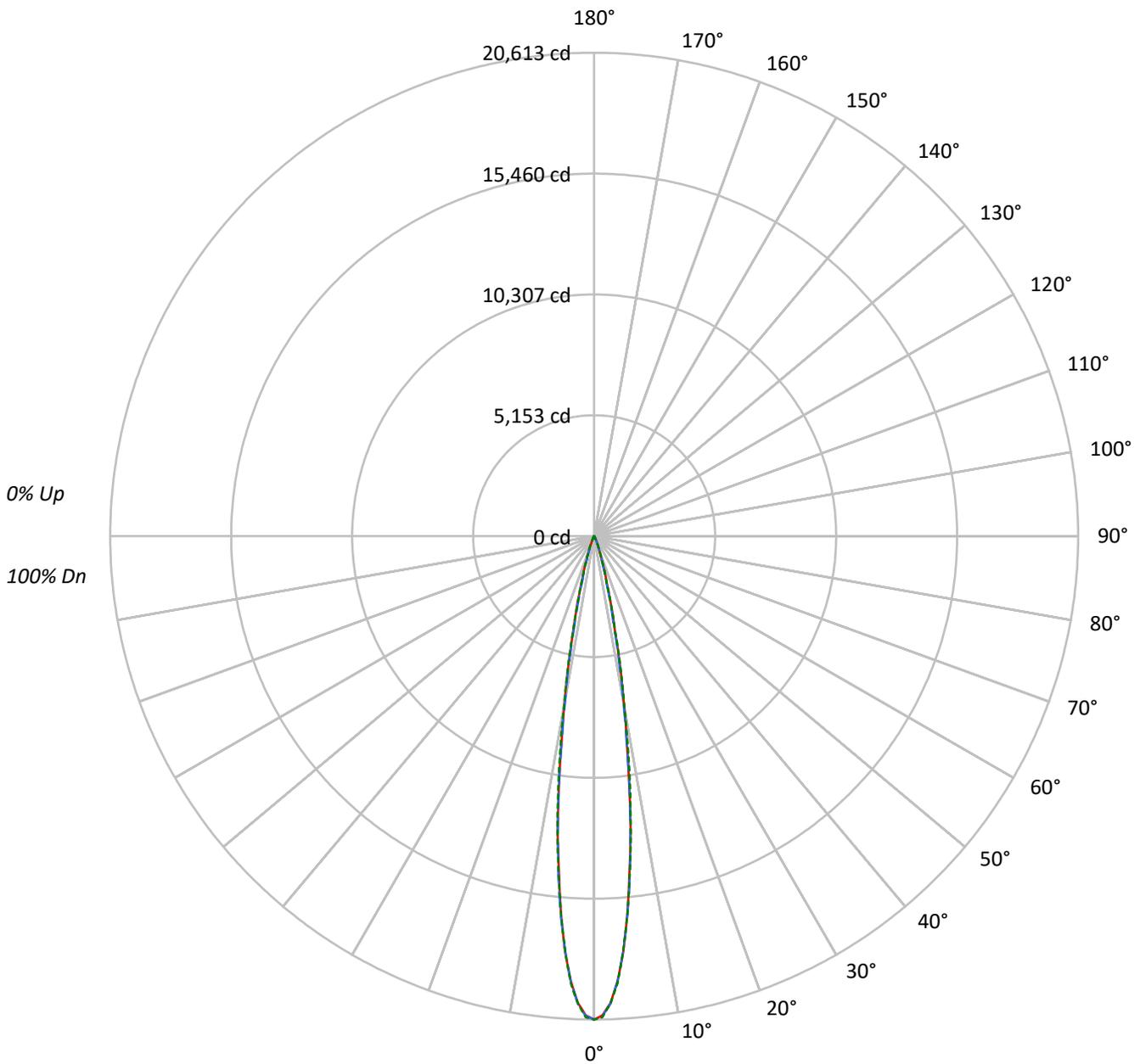
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2064.0 lumens  
Efficiency: N/A  
Efficacy: 71.7 lumens/watt  
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 28.8  
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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	116	114	112	111	113	112	110	109	108	107	106	104	104	103	101	100	100	98
2	113	110	107	105	111	108	106	104	105	104	102	102	101	100	100	99	98	97
3	110	107	104	101	109	105	103	100	103	101	99	101	99	97	99	97	96	95
4	108	104	100	98	106	103	100	98	101	98	96	99	97	95	97	96	94	93
5	106	101	98	95	104	100	97	95	99	96	94	97	95	94	96	94	93	92
6	104	99	96	93	103	98	95	93	97	94	92	96	94	92	95	93	91	91
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	94	92	90	89
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88
9	98	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	87	87
10	97	92	89	87	96	92	89	87	91	88	87	90	88	86	90	88	86	86

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

	0°	45°	90°
0°	3550043	3550043	3550043
5°	2800284	2807770	2797777
10°	1281132	1247573	1308221
15°	380916	340068	373196
20°	113118	109709	118799
25°	32172	41578	37264
30°	11494	12310	11077
35°	4331	3911	3911
40°	1866	922	1394
45°	999	511	999
50°	563	0	563
55°	631	0	631
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 47.5°  
 Luminance: 1045 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1245.4	60.3
10°-20°	691.4	33.5
20°-30°	110.1	5.3
30°-40°	14.4	0.7
40°-50°	2.2	0.1
50°-60°	0.5	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	2046.9	99.2
0°-40°	2061.4	99.9
0°-60°	2064.0	100.0
0°-90°	2064.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2064.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	20613	20613	20613	20613	20613	
5°	16198	16334	16241	16172	16183	1242
15°	2136	2109	1907	2027	2093	705
25°	169	190	219	218	196	103
35°	21	21	19	21	19	15
45°	4	3	2	2	4	4
55°	2	1	0	0	2	1
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	20613.1	20613.1	20613.1	20613.1	20613.1	20613.1	20613.1	20613.1	20613.1	20613.1	20613.1
1°	20435.6	20458.3	20487.2	20460.3	20435.6	20458.3	20427.3	20431.4	20406.7	20460.3	20520.2
2°	19915.4	19944.3	19927.8	19890.6	19948.4	19952.5	19888.6	19857.6	19853.5	19907.1	19927.8
3°	18994.8	19060.8	19062.9	19050.5	19031.9	18994.8	18928.7	18972.0	18912.2	18875.0	19085.6
4°	17770.7	17828.5	17896.6	17851.2	17715.0	17727.3	17770.7	17624.1	17632.4	17717.0	17723.2
5°	16197.8	16373.2	16381.5	16317.5	16210.2	16241.1	16210.2	16168.9	16183.3	16237.0	16183.3
6°	14346.2	14544.3	14397.8	14538.2	14507.2	14546.4	14556.7	14513.4	14544.3	14511.3	14501.0
7°	12746.4	12595.7	12616.4	12558.6	12620.5	12661.8	12686.6	12612.3	12672.1	12767.1	12793.9
8°	10762.7	10719.4	10676.0	10779.2	10750.3	10799.9	10830.8	10913.4	10909.3	10938.2	11033.1
9°	8874.0	8938.0	8977.2	8886.4	8964.8	8812.1	8865.7	9086.6	9028.8	9086.6	9255.9
10°	7325.8	7377.4	7319.6	7317.6	7235.0	7133.9	7127.7	7210.2	7383.6	7519.9	7480.7
12.5°	4041.7	4087.1	4093.3	4089.2	3940.6	3773.4	3804.3	3870.4	3977.7	4023.1	4097.4
15°	2136.4	2134.4	2157.1	2093.1	2014.7	1907.3	1915.6	2006.4	2086.9	2107.5	2093.1
17.5°	1096.1	1100.2	1116.7	1100.2	1017.6	1028.0	1050.7	1061.0	1108.5	1127.1	1116.7
20°	617.2	619.3	617.2	623.4	590.4	598.6	627.5	629.6	639.9	650.2	648.2
22.5°	353.0	355.0	367.4	363.3	355.0	365.4	371.6	381.9	386.0	381.9	394.3
25°	169.3	171.3	171.3	196.1	208.5	218.8	222.9	218.8	214.7	198.2	196.1
27.5°	97.0	97.0	101.1	103.2	107.3	125.9	123.9	103.2	86.7	86.7	88.8
30°	57.8	55.7	55.7	57.8	59.9	61.9	57.8	55.7	55.7	57.8	55.7
32.5°	35.1	35.1	35.1	33.0	33.0	31.0	31.0	35.1	35.1	35.1	35.1
35°	20.6	20.6	20.6	20.6	18.6	18.6	18.6	20.6	20.6	18.6	18.6
37.5°	12.4	12.4	12.4	10.3	10.3	8.3	10.3	10.3	10.3	10.3	10.3
40°	8.3	8.3	6.2	6.2	4.1	4.1	4.1	6.2	6.2	6.2	6.2
42.5°	6.2	6.2	4.1	4.1	2.1	2.1	2.1	4.1	4.1	4.1	4.1
45°	4.1	4.1	4.1	2.1	2.1	2.1	2.1	2.1	2.1	4.1	4.1
47.5°	4.1	4.1	2.1	2.1	0.0	0.0	0.0	2.1	2.1	2.1	2.1
50°	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1
52.5°	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1
55°	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)