

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: P1306786

Luminaire Tested: LDSQA3D05R159024DE010 3LSQPHR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1306786  
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: LDSQA3D05R159024DE010 3LSQPHR1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 2400K CCT AND, 90CRI , 3LSQPHR1MW TRIM  
Light Source: -  
Ballast/Driver: -

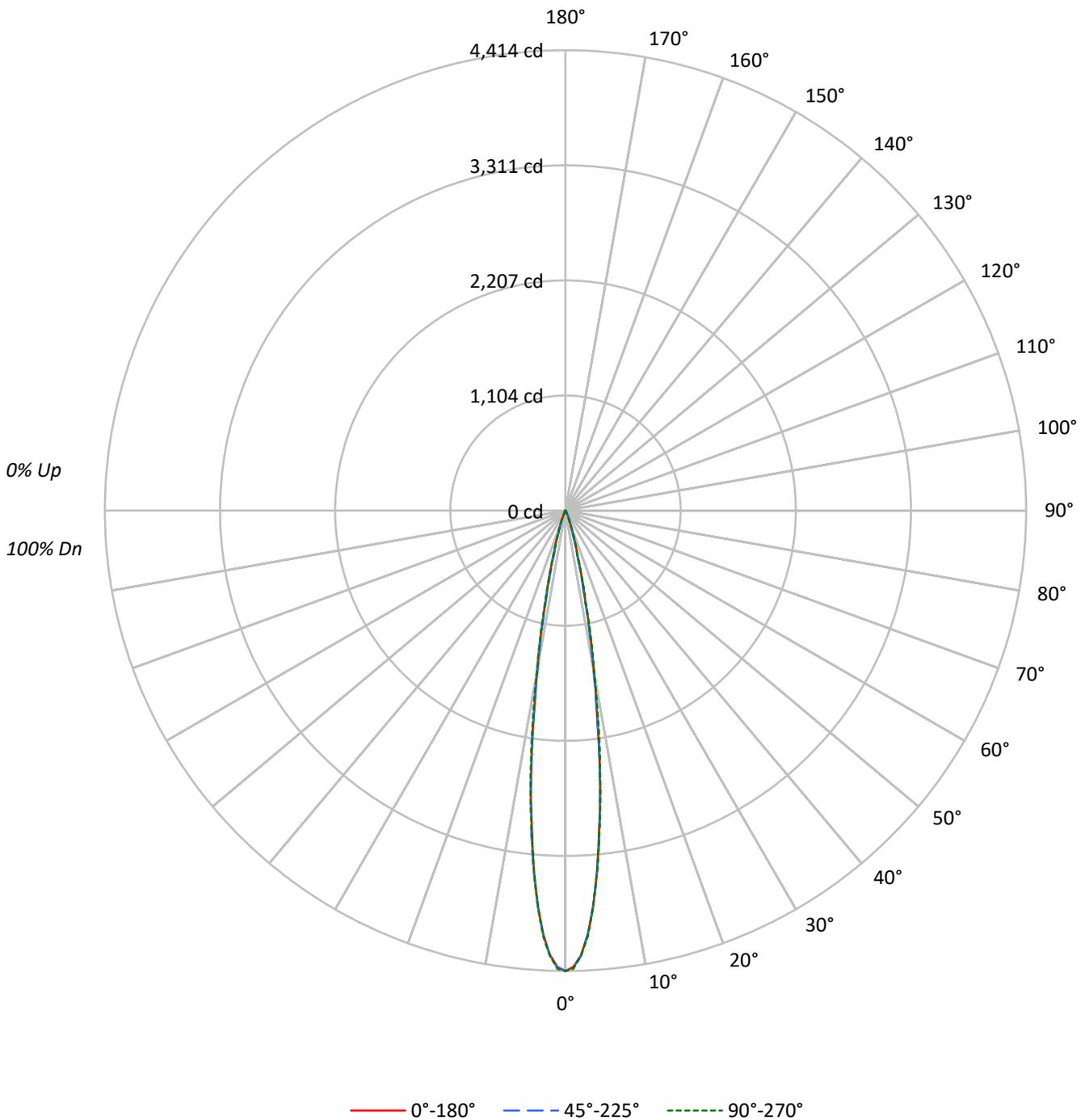
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 442.0 lumens  
Efficiency: N/A  
Efficacy: 61.4 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): 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





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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	116	114	112	111	113	112	110	109	108	107	106	104	104	103	101	100	100	100	100	100	98
2	113	110	107	105	111	108	106	104	105	104	102	102	101	100	100	99	98	98	98	98	97
3	110	107	104	101	109	105	103	100	103	101	99	101	99	97	99	97	96	96	97	96	95
4	108	104	100	98	106	103	100	98	101	98	96	99	97	95	97	96	94	97	96	94	93
5	106	101	98	95	104	100	97	95	99	96	94	97	95	94	96	94	93	96	94	93	92
6	104	99	96	93	103	98	95	93	97	94	92	96	94	92	95	93	91	95	93	91	91
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	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	92	90	89	88
9	98	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	87	91	89	87	87
10	97	92	89	87	96	92	89	87	91	88	87	90	88	86	90	88	86	90	88	86	86

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

	0°	45°	90°
0°	760225	760225	760225
5°	599671	601278	599135
10°	274351	267163	280157
15°	81571	72817	79913
20°	24229	23496	25439
25°	6879	8912	7981
30°	2466	2645	2367
35°	925	841	841
40°	405	202	292
45°	219	97	219
50°	107	0	107
55°	120	0	120
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: 229 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	266.7	60.3
10°-20°	148.1	33.5
20°-30°	23.6	5.3
30°-40°	3.1	0.7
40°-50°	0.4	0.1
50°-60°	0.1	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°	438.3	99.2
0°-40°	441.4	99.9
0°-60°	442.0	100.0
0°-90°	442.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	442.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4414	4414	4414	4414	4414	
5°	3469	3498	3478	3463	3466	266
15°	458	452	408	434	448	151
25°	36	41	47	47	42	22
35°	4	4	4	4	4	3
45°	1	1	0	0	1	1
55°	0	0	0	0	0	0
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°	4414.2	4414.2	4414.2	4414.2	4414.2	4414.2	4414.2	4414.2	4414.2	4414.2	4414.2
1°	4376.2	4381.1	4387.3	4381.5	4376.2	4381.1	4374.5	4375.3	4370.0	4381.5	4394.3
2°	4264.8	4271.0	4267.5	4259.5	4271.9	4272.8	4259.1	4252.4	4251.6	4263.1	4267.5
3°	4067.7	4081.8	4082.3	4079.6	4075.6	4067.7	4053.5	4062.8	4050.0	4042.0	4087.1
4°	3805.5	3817.9	3832.5	3822.8	3793.6	3796.3	3805.5	3774.2	3775.9	3794.1	3795.4
5°	3468.7	3506.3	3508.0	3494.3	3471.4	3478.0	3471.4	3462.5	3465.6	3477.1	3465.6
6°	3072.2	3114.6	3083.2	3113.3	3106.7	3115.1	3117.3	3108.0	3114.6	3107.6	3105.3
7°	2729.6	2697.3	2701.8	2689.4	2702.6	2711.5	2716.8	2700.9	2713.7	2734.0	2739.8
8°	2304.8	2295.5	2286.2	2308.3	2302.2	2312.8	2319.4	2337.1	2336.2	2342.4	2362.7
9°	1900.3	1914.0	1922.4	1903.0	1919.8	1887.1	1898.6	1945.9	1933.5	1945.9	1982.1
10°	1568.8	1579.9	1567.5	1567.0	1549.4	1527.7	1526.4	1544.1	1581.2	1610.4	1602.0
12.5°	865.5	875.2	876.6	875.7	843.9	808.1	814.7	828.8	851.8	861.5	877.5
15°	457.5	457.1	461.9	448.2	431.4	408.4	410.2	429.7	446.9	451.3	448.2
17.5°	234.7	235.6	239.1	235.6	217.9	220.1	225.0	227.2	237.4	241.4	239.1
20°	132.2	132.6	132.2	133.5	126.4	128.2	134.4	134.8	137.0	139.2	138.8
22.5°	75.6	76.0	78.7	77.8	76.0	78.2	79.6	81.8	82.7	81.8	84.4
25°	36.2	36.7	36.7	42.0	44.6	46.9	47.7	46.9	46.0	42.4	42.0
27.5°	20.8	20.8	21.7	22.1	23.0	27.0	26.5	22.1	18.6	18.6	19.0
30°	12.4	11.9	11.9	12.4	12.8	13.3	12.4	11.9	11.9	12.4	11.9
32.5°	7.5	7.5	7.5	7.1	7.1	6.6	6.6	7.5	7.5	7.5	7.5
35°	4.4	4.4	4.4	4.4	4.0	4.0	4.0	4.4	4.4	4.0	4.0
37.5°	2.7	2.7	2.7	2.2	2.2	1.8	2.2	2.2	2.2	2.2	2.2
40°	1.8	1.8	1.3	1.3	0.9	0.9	0.9	1.3	1.3	1.3	1.3
42.5°	1.3	1.3	0.9	0.9	0.4	0.4	0.4	0.9	0.9	0.9	0.9
45°	0.9	0.9	0.9	0.4	0.4	0.4	0.4	0.4	0.4	0.9	0.9
47.5°	0.9	0.9	0.4	0.4	0.0	0.0	0.0	0.4	0.4	0.4	0.4
50°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
52.5°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
55°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
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	0.4	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)