

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: P1311112

Luminaire Tested: LDSQA3D05R159040DE010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311112
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: LDSQA3D05R159040DE010 3LSQPHR1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 90CRI , 3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

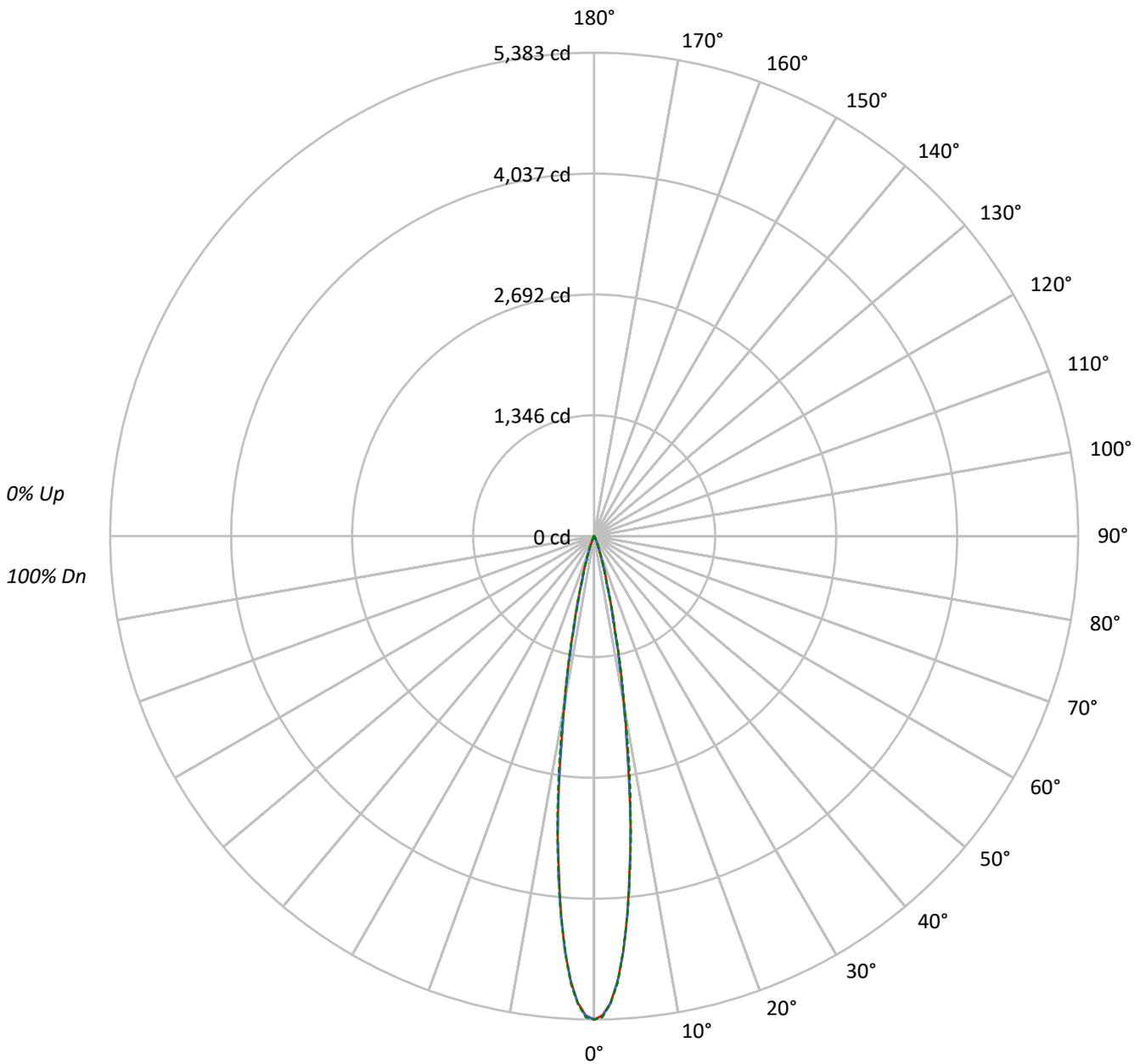
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 539.0 lumens
Efficiency: N/A
Efficacy: 74.9 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_{in}): 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	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	96	96	95
4	108	104	100	98	106	103	100	98	101	98	96	99	97	95	97	96	94	94	94	94	93
5	106	101	98	95	104	100	97	95	99	96	94	97	95	94	96	94	93	93	93	93	92
6	104	99	96	93	103	98	95	93	97	94	92	96	94	92	95	93	91	91	91	91	91
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	94	92	90	90	90	90	89
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	89	89	89	88
9	98	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	87	87	87	87	87
10	97	92	89	87	96	92	89	87	91	88	87	90	88	86	90	88	86	86	86	86	86

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	927074	927074	927074
5°	731267	733238	730628
10°	334562	325800	341627
15°	99472	88810	97458
20°	29544	28646	31029
25°	8399	10851	9729
30°	3003	3222	2903
35°	1135	1030	1030
40°	495	247	360
45°	268	122	268
50°	134	0	134
55°	150	0	150
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: 280 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	325.2	60.3
10°-20°	180.6	33.5
20°-30°	28.7	5.3
30°-40°	3.8	0.7
40°-50°	0.6	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°	534.5	99.2
0°-40°	538.3	99.9
0°-60°	539.0	100.0
0°-90°	539.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	539.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5383	5383	5383	5383	5383	
5°	4230	4265	4241	4223	4226	324
15°	558	551	498	529	547	184
25°	44	50	57	57	51	27
35°	5	5	5	5	5	4
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°	5383.0	5383.0	5383.0	5383.0	5383.0	5383.0	5383.0	5383.0	5383.0	5383.0	5383.0
1°	5336.6	5342.5	5350.1	5343.1	5336.6	5342.5	5334.5	5335.5	5329.1	5343.1	5358.7
2°	5200.8	5208.3	5204.0	5194.3	5209.4	5210.5	5193.8	5185.7	5184.6	5198.6	5204.0
3°	4960.4	4977.6	4978.1	4974.9	4970.1	4960.4	4943.1	4954.4	4938.8	4929.1	4984.1
4°	4640.7	4655.8	4673.6	4661.7	4626.1	4629.4	4640.7	4602.4	4604.6	4626.7	4628.3
5°	4229.9	4275.8	4277.9	4261.2	4233.2	4241.3	4233.2	4222.4	4226.2	4240.2	4226.2
6°	3746.4	3798.2	3759.9	3796.5	3788.5	3798.7	3801.4	3790.1	3798.2	3789.5	3786.8
7°	3328.6	3289.3	3294.7	3279.6	3295.8	3306.5	3313.0	3293.6	3309.2	3334.0	3341.0
8°	2810.6	2799.3	2788.0	2814.9	2807.4	2820.3	2828.4	2850.0	2848.9	2856.4	2881.2
9°	2317.4	2334.1	2344.3	2320.6	2341.1	2301.2	2315.2	2372.9	2357.8	2372.9	2417.1
10°	1913.1	1926.6	1911.5	1910.9	1889.4	1863.0	1861.3	1882.9	1928.2	1963.8	1953.5
12.5°	1055.5	1067.3	1068.9	1067.9	1029.0	985.4	993.5	1010.7	1038.8	1050.6	1070.0
15°	557.9	557.4	563.3	546.6	526.1	498.1	500.2	524.0	545.0	550.4	546.6
17.5°	286.2	287.3	291.6	287.3	265.8	268.4	274.4	277.1	289.5	294.3	291.6
20°	161.2	161.7	161.2	162.8	154.2	156.3	163.9	164.4	167.1	169.8	169.3
22.5°	92.2	92.7	96.0	94.9	92.7	95.4	97.0	99.7	100.8	99.7	103.0
25°	44.2	44.7	44.7	51.2	54.4	57.1	58.2	57.1	56.1	51.7	51.2
27.5°	25.3	25.3	26.4	27.0	28.0	32.9	32.3	27.0	22.6	22.6	23.2
30°	15.1	14.6	14.6	15.1	15.6	16.2	15.1	14.6	14.6	15.1	14.6
32.5°	9.2	9.2	9.2	8.6	8.6	8.1	8.1	9.2	9.2	9.2	9.2
35°	5.4	5.4	5.4	5.4	4.9	4.9	4.9	5.4	5.4	4.9	4.9
37.5°	3.2	3.2	3.2	2.7	2.7	2.2	2.2	2.7	2.7	2.7	2.7
40°	2.2	2.2	1.6	1.6	1.1	1.1	1.1	1.6	1.6	1.6	1.6
42.5°	1.6	1.6	1.1	1.1	0.5	0.5	0.5	1.1	1.1	1.1	1.1
45°	1.1	1.1	1.1	0.5	0.5	0.5	0.5	0.5	0.5	1.1	1.1
47.5°	1.1	1.1	0.5	0.5	0.0	0.0	0.0	0.5	0.5	0.5	0.5
50°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
52.5°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
55°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
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	0.5	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)