

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: P1317727

Luminaire Tested: LDSQA3D20R159827D010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317727
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: LDSQA3D20R159827D010 3LSQPHR1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 98CRI , 3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

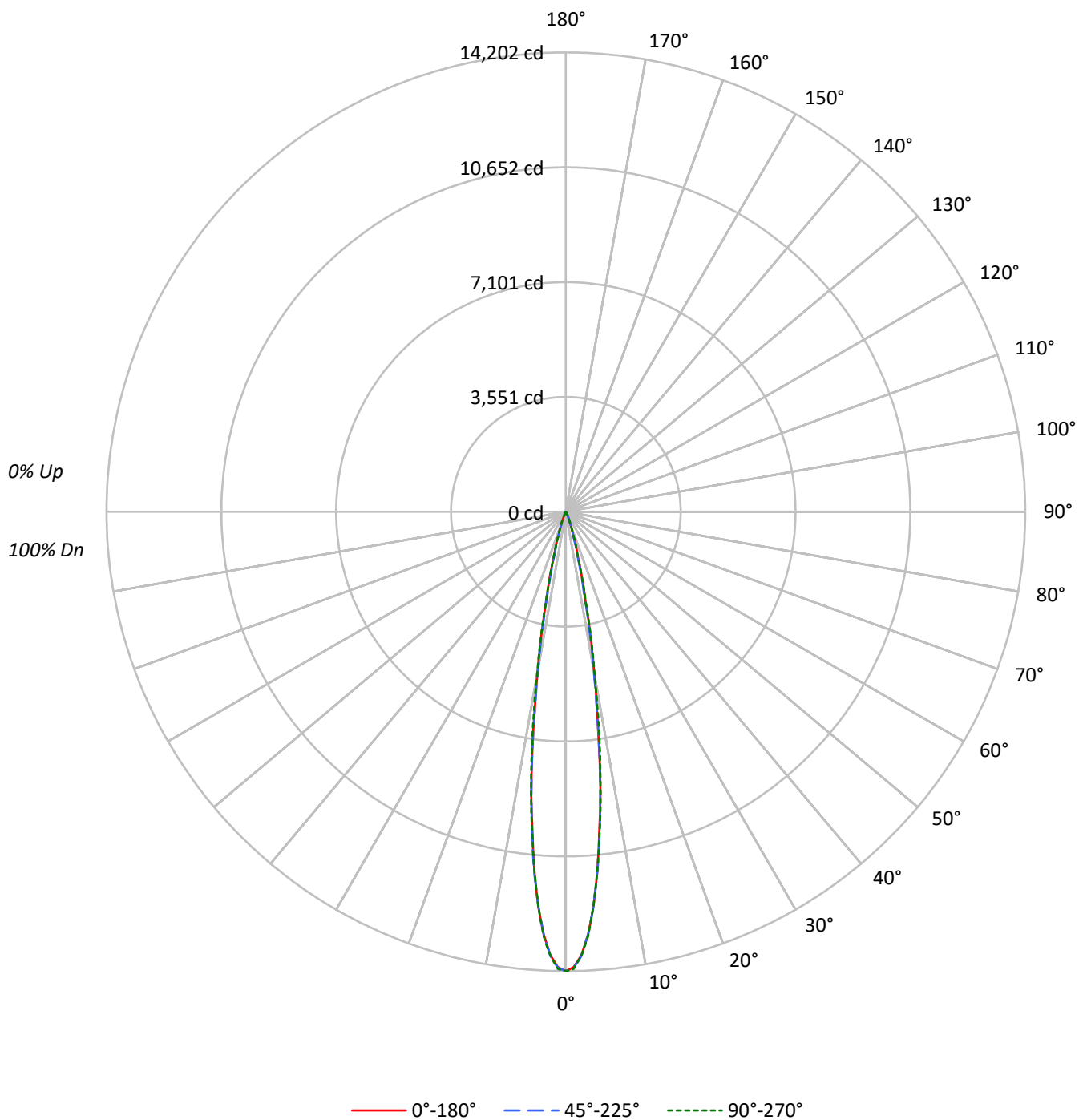
Lumens per Lamp: N/A
Luminaire Lumens: 1422.0 lumens
Efficiency: N/A
Efficacy: 51.9 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	116	114	112	111	113	112	110	109	108	107	106		104	104	103		101
2	113	110	107	105	111	108	106	104	105	104	102		102	101	100		100
3	110	107	104	101	109	105	103	100	103	101	99		101	99	97		99
4	108	104	100	98	106	103	100	98	101	98	96		99	97	95		97
5	106	101	98	95	104	100	97	95	99	96	94		97	95	94		96
6	104	99	96	93	103	98	95	93	97	94	92		96	94	92		95
7	102	97	94	91	101	96	93	91	95	93	91		94	92	90		94
8	100	95	92	90	99	95	92	90	94	91	89		93	91	89		92
9	98	93	90	88	98	93	90	88	92	90	88		92	89	88		91
10	97	92	89	87	96	92	89	87	91	88	87		90	88	86		90

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2445820	2445820	2445820
5°	1929260	1934429	1927548
10°	882652	859515	901294
15°	262437	234301	257106
20°	77929	75583	81851
25°	22157	28637	25673
30°	7915	8492	7636
35°	2985	2691	2691
40°	1281	629	967
45°	682	341	682
50°	375	0	375
55°	420	0	420
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: 714 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	858.1	60.3
10°-20°	476.4	33.5
20°-30°	75.8	5.3
30°-40°	9.9	0.7
40°-50°	1.5	0.1
50°-60°	0.3	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°	1410.2	99.2
0°-40°	1420.2	99.9
0°-60°	1422.0	100.0
0°-90°	1422.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1422.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	14202	14202	14202	14202	14202	
5°	11160	11253	11189	11142	11150	856
15°	1472	1453	1314	1396	1442	486
25°	117	131	151	150	135	71
35°	14	14	13	14	13	11
45°	3	2	1	1	3	3
55°	1	0	0	0	1	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°	14201.5	14201.5	14201.5	14201.5	14201.5	14201.5	14201.5	14201.5	14201.5	14201.5	14201.5
1°	14079.2	14094.8	14114.7	14096.2	14079.2	14094.8	14073.5	14076.3	14059.2	14096.2	14137.5
2°	13720.8	13740.7	13729.3	13703.7	13743.5	13746.4	13702.3	13681.0	13678.1	13715.1	13729.3
3°	13086.5	13132.0	13133.4	13124.9	13112.1	13086.5	13041.0	13070.9	13029.6	13004.0	13149.1
4°	12243.2	12283.0	12329.9	12298.6	12204.8	12213.3	12243.2	12142.2	12147.9	12206.2	12210.5
5°	11159.5	11280.4	11286.1	11242.0	11168.0	11189.4	11168.0	11139.6	11149.6	11186.5	11149.6
6°	9883.9	10020.4	9919.4	10016.1	9994.8	10021.8	10028.9	9999.0	10020.4	9997.6	9990.5
7°	8781.7	8677.9	8692.1	8652.3	8694.9	8723.4	8740.5	8689.3	8730.5	8795.9	8814.4
8°	7415.0	7385.2	7355.3	7426.4	7406.5	7440.6	7462.0	7518.8	7516.0	7535.9	7601.3
9°	6113.8	6157.9	6184.9	6122.3	6176.3	6071.1	6108.1	6260.2	6220.4	6260.2	6376.9
10°	5047.2	5082.7	5042.9	5041.5	4984.6	4914.9	4910.6	4967.5	5087.0	5180.8	5153.8
12.5°	2784.5	2815.8	2820.1	2817.3	2714.9	2599.7	2621.0	2666.5	2740.5	2771.7	2822.9
15°	1471.9	1470.5	1486.1	1442.0	1388.0	1314.1	1319.7	1382.3	1437.8	1452.0	1442.0
17.5°	755.2	758.0	769.4	758.0	701.1	708.2	723.9	731.0	763.7	776.5	769.4
20°	425.2	426.6	425.2	429.5	406.7	412.4	432.3	433.8	440.9	448.0	446.6
22.5°	243.2	244.6	253.1	250.3	244.6	251.7	256.0	263.1	265.9	263.1	271.6
25°	116.6	118.0	118.0	135.1	143.6	150.7	153.6	150.7	147.9	136.5	135.1
27.5°	66.8	66.8	69.7	71.1	74.0	86.8	85.3	71.1	59.7	59.7	61.2
30°	39.8	38.4	38.4	39.8	41.2	42.7	39.8	38.4	38.4	39.8	38.4
32.5°	24.2	24.2	24.2	22.8	22.8	21.3	21.3	24.2	24.2	24.2	24.2
35°	14.2	14.2	14.2	14.2	12.8	12.8	12.8	14.2	14.2	12.8	12.8
37.5°	8.5	8.5	8.5	7.1	7.1	5.7	7.1	7.1	7.1	7.1	7.1
40°	5.7	5.7	4.3	4.3	2.8	2.8	2.8	4.3	4.3	4.3	4.3
42.5°	4.3	4.3	2.8	2.8	1.4	1.4	1.4	2.8	2.8	2.8	2.8
45°	2.8	2.8	2.8	1.4	1.4	1.4	1.4	1.4	1.4	2.8	2.8
47.5°	2.8	2.8	1.4	1.4	0.0	0.0	0.0	1.4	1.4	1.4	1.4
50°	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4
52.5°	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4
55°	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
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	1.4	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)