

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: P1317874

Luminaire Tested: LDSQA3D02R159830DE010 3LSQPHRL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317874
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R159830DE010 3LSQPHRL1MB
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 98CRI , 3LSQPHRL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

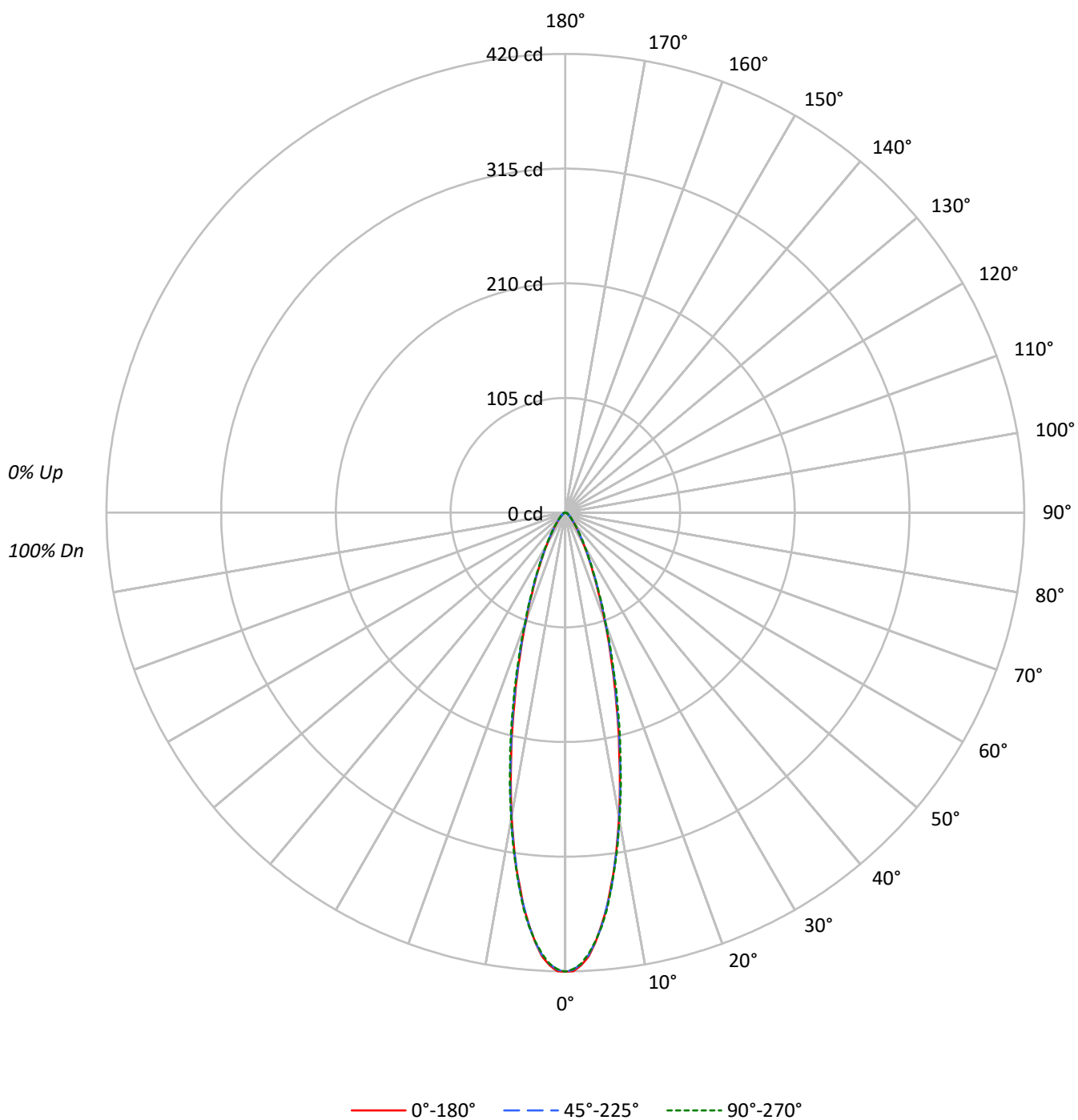
Lumens per Lamp: N/A
Luminaire Lumens: 139.0 lumens
Efficiency: N/A
Efficacy: 38.6 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	101	97	107	103	99	96	99	97	94		97	94	92		94
3	104	98	94	90	102	97	93	89	94	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	85	82		86
5	96	88	83	79	94	87	83	79	86	82	78		84	80	78		83
6	92	84	79	75	91	83	78	75	82	78	74		81	77	74		79
7	88	80	75	71	87	80	75	71	79	74	71		77	74	71		76
8	85	77	72	68	84	76	72	68	75	71	68		74	70	68		74
9	82	74	69	65	81	73	69	65	73	68	65		72	68	65		71
10	79	71	66	63	78	71	66	63	70	66	63		69	65	62		69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	72385	72385	72385
5°	65574	65695	65781
10°	49508	49631	49876
15°	32111	32468	33092
20°	19336	19555	19830
25°	11288	11535	11706
30°	6642	6841	6960
35°	4100	4247	4310
40°	2698	2765	2810
45°	1875	1924	1948
50°	1393	1447	1474
55°	1111	1171	1171
60°	999	999	999
65°	856	856	856
70°	705	806	806
75°	732	732	732
80°	496	694	694
85°	395	395	395

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 1948 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.1	23.8
10°-20°	50.6	36.4
20°-30°	28.8	20.7
30°-40°	13.1	9.4
40°-50°	6.3	4.5
50°-60°	3.5	2.5
60°-70°	2.2	1.5
70°-80°	1.1	0.8
80°-90°	0.3	0.2
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°	112.5	80.9
0°-40°	125.6	90.4
0°-60°	135.4	97.4
0°-90°	139.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	139.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	420	420	420	420	420	
5°	379	379	380	380	380	33
15°	180	181	182	185	186	50
25°	59	59	61	61	62	28
35°	20	20	20	20	20	13
45°	8	8	8	8	8	6
55°	4	4	4	4	4	3
65°	2	2	2	2	2	2
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	420.3	420.3	420.3	420.3	420.3
1°	420.0	418.9	418.5	418.4	418.0
2°	414.6	413.7	413.5	413.5	413.4
3°	407.1	405.5	405.7	405.2	404.6
4°	394.4	393.7	394.1	394.4	393.7
5°	379.3	379.1	380.0	380.0	380.5
6°	363.6	363.4	362.9	364.3	365.0
7°	343.6	344.7	346.1	345.4	345.9
8°	325.4	324.1	324.7	326.4	326.6
9°	304.0	303.1	305.4	306.1	306.3
10°	283.1	284.0	283.8	286.3	285.2
12.5°	228.6	230.1	231.7	232.7	233.8
15°	180.1	181.0	182.1	184.6	185.6
17.5°	138.5	139.6	140.6	142.8	143.1
20°	105.5	106.0	106.7	108.7	108.2
22.5°	78.9	79.8	80.5	81.4	81.9
25°	59.4	59.4	60.7	61.2	61.6
27.5°	44.3	44.6	45.5	46.2	46.0
30°	33.4	33.9	34.4	34.8	35.0
32.5°	25.7	25.7	26.2	26.8	27.0
35°	19.5	19.8	20.2	20.5	20.5
37.5°	15.2	15.3	15.7	15.9	15.9
40°	12.0	12.0	12.3	12.5	12.5
42.5°	9.5	9.6	9.8	10.0	10.0
45°	7.7	7.7	7.9	8.0	8.0
47.5°	6.2	6.2	6.4	6.6	6.6
50°	5.2	5.4	5.4	5.5	5.5
52.5°	4.5	4.5	4.5	4.6	4.6
55°	3.7	3.7	3.9	3.9	3.9
57.5°	3.2	3.2	3.2	3.4	3.4
60°	2.9	2.9	2.9	2.9	2.9
62.5°	2.5	2.5	2.5	2.5	2.5
65°	2.1	2.1	2.1	2.1	2.1
67.5°	1.8	1.8	1.8	2.0	2.0
70°	1.4	1.6	1.6	1.6	1.6
72.5°	1.2	1.2	1.2	1.2	1.2
75°	1.1	1.1	1.1	1.1	1.1
77.5°	0.9	0.9	0.9	0.9	0.9
80°	0.5	0.7	0.7	0.7	0.7
82.5°	0.4	0.4	0.4	0.4	0.4
85°	0.2	0.2	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)