

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: P1308776

Luminaire Tested: LDSQA3D02R359030DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308776
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R359030DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 90CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

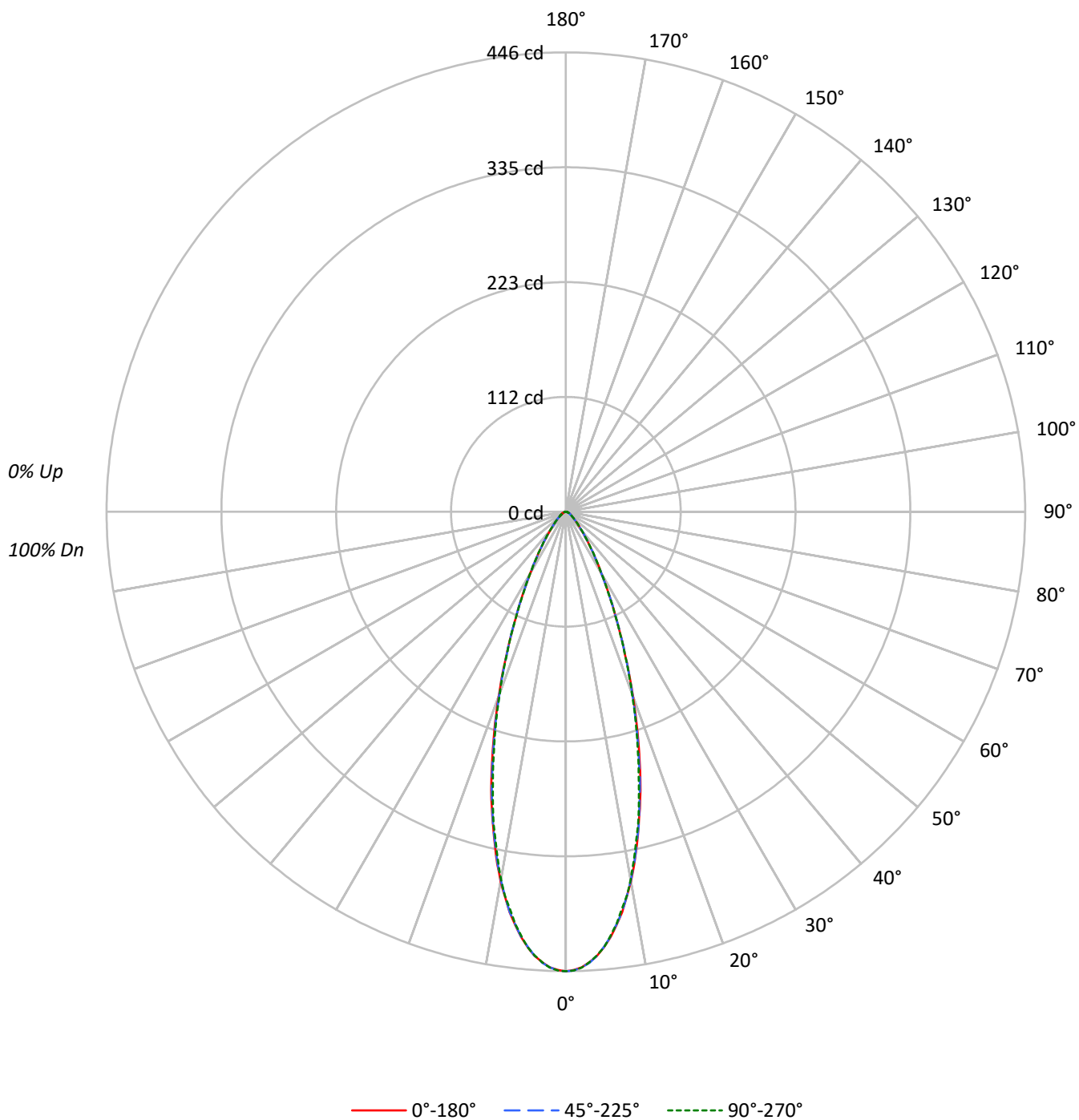
Lumens per Lamp: N/A
Luminaire Lumens: 220.0 lumens
Efficiency: N/A
Efficacy: 61.1 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	108	106	111	109	106	104	105	103	101		101	99	98		97
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93
3	103	97	92	88	101	95	91	87	93	89	86		90	87	85		88
4	98	91	86	82	97	90	85	81	88	84	80		86	82	79		84
5	94	86	80	76	92	85	80	76	83	79	75		82	78	75		80
6	90	81	76	72	88	81	75	71	79	74	71		78	74	70		76
7	86	77	72	68	85	77	71	67	75	71	67		74	70	67		73
8	82	73	68	64	81	73	68	64	72	67	64		71	67	63		70
9	79	70	65	61	78	70	64	61	69	64	61		68	63	60		67
10	76	67	62	58	75	67	61	58	66	61	58		65	61	58		64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	76829	76829	76829
5°	73405	73284	73405
10°	63726	63516	63429
15°	49941	49549	48765
20°	34932	34621	34401
25°	22195	22328	22195
30°	13662	13761	13662
35°	8452	8515	8515
40°	5373	5418	5418
45°	3629	3678	3751
50°	2626	2679	2679
55°	2042	2042	2042
60°	1688	1688	1688
65°	1508	1508	1508
70°	1360	1360	1360
75°	1131	1131	1131
80°	992	992	992
85°	395	395	988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 3751 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.6	17.5
10°-20°	75.9	34.5
20°-30°	54.8	24.9
30°-40°	26.4	12.0
40°-50°	12.2	5.5
50°-60°	6.3	2.9
60°-70°	3.7	1.7
70°-80°	1.8	0.8
80°-90°	0.4	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°	169.2	76.9
0°-40°	195.6	88.9
0°-60°	214.1	97.3
0°-90°	220.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	220.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	446	446	446	446	446	
5°	425	426	424	424	425	39
15°	280	280	278	277	274	76
25°	117	117	118	118	117	55
35°	40	40	40	40	40	26
45°	15	15	15	15	15	12
55°	7	7	7	7	7	6
65°	4	4	4	4	4	4
75°	2	2	2	2	2	2
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°	446.1	446.1	446.1	446.1	446.1
1°	444.9	445.6	445.4	445.6	445.4
2°	442.7	443.2	442.7	442.9	442.9
3°	438.0	438.5	438.5	438.3	438.0
4°	432.4	433.7	432.4	432.7	432.0
5°	424.6	425.6	423.9	424.2	424.6
6°	415.1	415.4	414.9	414.6	414.2
7°	404.2	405.1	403.4	403.7	403.2
8°	392.5	392.2	392.2	391.2	389.8
9°	378.3	379.3	377.8	377.4	377.6
10°	364.4	364.4	363.2	362.0	362.7
11°	348.6	348.1	347.4	345.7	345.2
12°	331.3	332.3	330.1	329.3	327.6
13°	313.5	314.9	314.0	311.3	311.5
14°	296.9	295.9	295.2	294.7	293.0
15°	280.1	279.6	277.9	276.7	273.5
17.5°	234.0	234.5	231.3	230.8	229.6
20°	190.6	189.2	188.9	189.2	187.7
22.5°	150.4	151.9	150.2	150.4	149.4
25°	116.8	117.0	117.5	117.5	116.8
27.5°	90.7	90.7	90.2	90.7	89.9
30°	68.7	68.7	69.2	69.7	68.7
32.5°	53.1	53.1	53.1	53.4	53.6
35°	40.2	40.2	40.5	40.5	40.5
37.5°	31.0	31.2	31.4	31.4	31.4
40°	23.9	24.1	24.1	24.4	24.1
42.5°	19.0	19.0	19.0	19.3	19.3
45°	14.9	15.1	15.1	15.4	15.4
47.5°	12.2	12.2	12.2	12.4	12.4
50°	9.8	10.0	10.0	10.0	10.0
52.5°	8.0	8.0	8.3	8.3	8.3
55°	6.8	6.8	6.8	6.8	6.8
57.5°	5.6	5.9	5.9	5.9	5.9
60°	4.9	4.9	4.9	4.9	4.9
62.5°	4.1	4.1	4.1	4.1	4.1
65°	3.7	3.7	3.7	3.7	3.7
67.5°	2.9	3.2	3.2	3.2	3.2
70°	2.7	2.7	2.7	2.7	2.7
72.5°	2.0	2.2	2.2	2.2	2.2
75°	1.7	1.7	1.7	1.7	1.7
77.5°	1.5	1.2	1.2	1.2	1.5
80°	1.0	1.0	1.0	1.0	1.0
82.5°	0.7	0.7	0.7	0.7	0.7
85°	0.2	0.2	0.2	0.2	0.5
87.5°	0.0	0.0	0.0	0.2	0.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)