

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: P1315132

Luminaire Tested: LDSQA3D02R309735DE010 3LSQPHRL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315132
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R309735DE010 3LSQPHRL1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 97CRI , 3LSQPHRL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

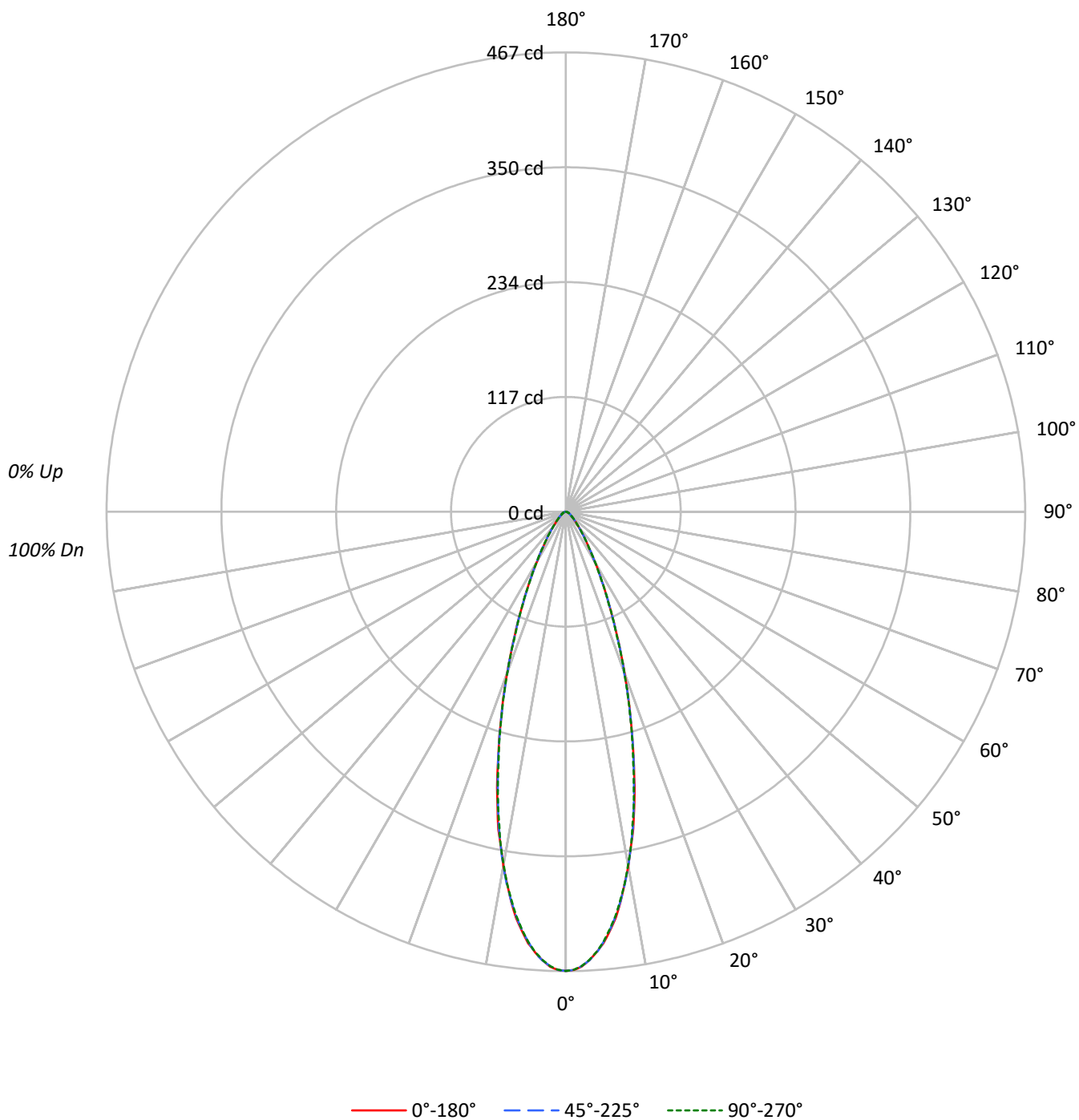
Lumens per Lamp: N/A
Luminaire Lumens: 205.0 lumens
Efficiency: N/A
Efficacy: 56.9 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	106	111	109	107	105	105	103	101		101	100	98		98
2	108	104	100	97	106	102	98	95	99	96	93		96	93	91		93
3	103	97	93	89	101	96	92	88	93	90	87		91	88	85		89
4	99	92	87	83	97	91	86	82	89	84	81		87	83	80		85
5	95	87	81	77	93	86	81	77	84	80	76		82	79	76		81
6	90	82	77	73	89	82	76	73	80	76	72		79	75	72		77
7	87	78	73	69	86	78	72	69	76	72	68		75	71	68		74
8	83	75	69	66	82	74	69	65	73	68	65		72	68	65		71
9	80	71	66	62	79	71	66	62	70	65	62		69	65	62		68
10	77	68	63	60	76	68	63	60	67	63	59		66	62	59		66

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	80394	80394	80394
5°	76102	75912	75877
10°	63936	63936	63709
15°	47641	47516	47231
20°	31890	31725	31762
25°	19649	19611	19706
30°	11813	11813	11872
35°	7253	7253	7296
40°	4586	4586	4699
45°	3142	3215	3215
50°	2304	2304	2304
55°	1772	1832	1832
60°	1481	1481	1550
65°	1304	1304	1304
70°	1158	1259	1259
75°	1065	1065	1065
80°	893	893	893
85°	395	395	395

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 3215 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.6	19.3
10°-20°	73.1	35.6
20°-30°	48.6	23.7
30°-40°	22.4	10.9
40°-50°	10.4	5.1
50°-60°	5.6	2.7
60°-70°	3.3	1.6
70°-80°	1.7	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°	161.2	78.6
0°-40°	183.7	89.6
0°-60°	199.6	97.4
0°-90°	205.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	205.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	467	467	467	467	467	
5°	440	439	439	440	439	40
15°	267	268	266	266	265	73
25°	103	103	103	103	104	49
35°	34	34	34	35	35	22
45°	13	13	13	13	13	10
55°	6	6	6	6	6	5
65°	3	3	3	3	3	3
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°	466.8	466.8	466.8	466.8	466.8
1°	465.9	465.4	465.9	466.6	465.7
2°	462.7	462.2	462.2	463.2	462.2
3°	456.6	457.0	456.8	457.7	456.1
4°	448.9	448.6	449.5	450.0	448.6
5°	440.2	439.3	439.1	440.2	438.9
6°	428.5	427.8	427.3	428.7	426.9
7°	415.8	415.3	414.6	415.1	413.7
8°	400.1	399.9	399.4	399.9	398.3
9°	382.6	382.6	383.5	383.3	382.4
10°	365.6	366.1	365.6	366.1	364.3
11°	346.6	346.6	347.0	346.8	347.0
12°	330.0	328.2	327.7	327.3	325.9
13°	308.7	307.3	306.9	307.3	306.7
14°	289.2	288.3	286.0	286.5	285.6
15°	267.2	268.1	266.5	266.5	264.9
17.5°	218.4	217.5	218.0	218.2	217.5
20°	174.0	173.5	173.1	172.6	173.3
22.5°	135.2	135.4	135.0	134.5	134.0
25°	103.4	103.2	103.2	103.2	103.7
27.5°	78.5	78.5	78.5	78.7	78.7
30°	59.4	59.0	59.4	59.7	59.7
32.5°	44.5	44.9	45.1	45.1	45.1
35°	34.5	34.2	34.5	34.7	34.7
37.5°	26.3	26.3	26.5	26.5	26.8
40°	20.4	20.4	20.4	20.6	20.9
42.5°	16.1	16.1	16.3	16.3	16.6
45°	12.9	12.9	13.2	13.2	13.2
47.5°	10.4	10.4	10.7	10.7	10.7
50°	8.6	8.6	8.6	8.6	8.6
52.5°	7.3	7.0	7.3	7.3	7.3
55°	5.9	6.1	6.1	6.1	6.1
57.5°	5.0	5.2	5.2	5.2	5.2
60°	4.3	4.3	4.3	4.5	4.5
62.5°	3.6	3.9	3.9	3.9	3.9
65°	3.2	3.2	3.2	3.2	3.2
67.5°	2.7	2.7	2.7	2.7	2.9
70°	2.3	2.3	2.5	2.5	2.5
72.5°	2.0	2.0	2.0	2.0	2.0
75°	1.6	1.6	1.6	1.6	1.6
77.5°	1.1	1.1	1.4	1.4	1.1
80°	0.9	0.9	0.9	0.9	0.9
82.5°	0.7	0.7	0.7	0.7	0.7
85°	0.2	0.2	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.0



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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)