

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: P1309894

Luminaire Tested: LDSQA3D02R359035DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309894
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: LDSQA3D02R359035DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 90CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

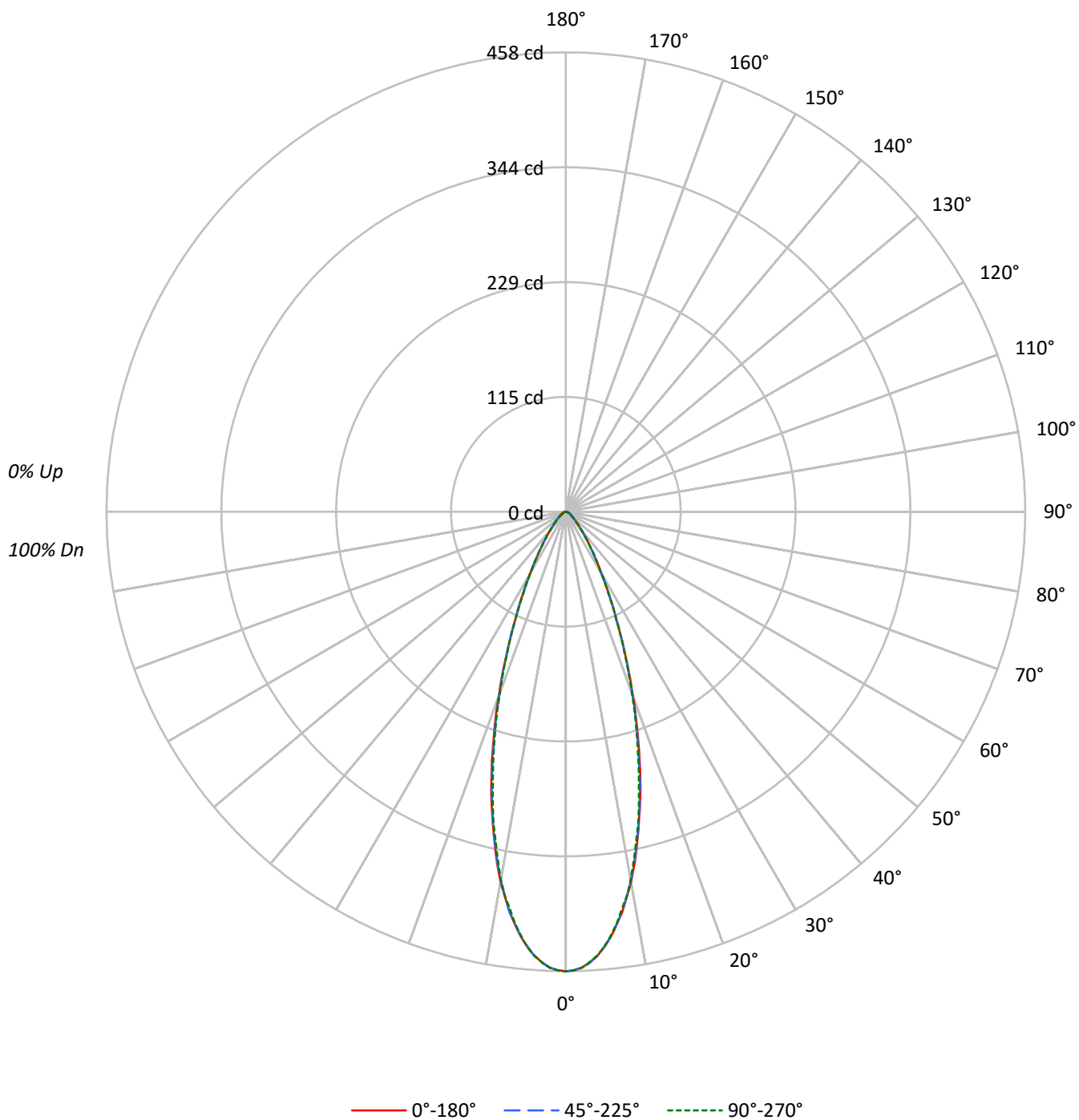
Lumens per Lamp: N/A
Luminaire Lumens: 226.1 lumens
Efficiency: N/A
Efficacy: 62.8 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	96	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	76	71	67	75	70	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°	78930	78930	78930
5°	75410	75289	75410
10°	65475	65248	65160
15°	51296	50904	50102
20°	35885	35574	35336
25°	22784	22936	22784
30°	14040	14139	14040
35°	8683	8746	8746
40°	5508	5576	5576
45°	3726	3775	3848
50°	2679	2760	2760
55°	2102	2102	2102
60°	1722	1722	1722
65°	1549	1549	1549
70°	1410	1410	1410
75°	1198	1198	1198
80°	992	992	992
85°	593	593	988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 3848 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.6	17.5
10°-20°	78.0	34.5
20°-30°	56.3	24.9
30°-40°	27.1	12.0
40°-50°	12.5	5.5
50°-60°	6.5	2.9
60°-70°	3.8	1.7
70°-80°	1.9	0.9
80°-90°	0.5	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°	173.8	76.9
0°-40°	201.0	88.9
0°-60°	219.9	97.3
0°-90°	226.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	226.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	458	458	458	458	458	
5°	436	437	436	436	436	40
15°	288	287	286	284	281	78
25°	120	120	121	121	120	56
35°	41	41	42	42	42	27
45°	15	16	16	16	16	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°	458.3	458.3	458.3	458.3	458.3
1°	457.0	457.8	457.5	457.8	457.5
2°	454.8	455.3	454.8	455.0	455.0
3°	450.0	450.5	450.5	450.2	450.0
4°	444.2	445.5	444.2	444.5	443.7
5°	436.2	437.2	435.5	435.7	436.2
6°	426.5	426.7	426.2	426.0	425.5
7°	415.2	416.2	414.4	414.7	414.2
8°	403.2	402.9	402.9	401.9	400.4
9°	388.6	389.6	388.1	387.6	387.9
10°	374.4	374.4	373.1	371.9	372.6
11°	358.1	357.6	356.8	355.1	354.6
12°	340.3	341.3	339.1	338.3	336.6
13°	322.0	323.5	322.5	319.8	320.0
14°	305.0	304.0	303.3	302.8	301.0
15°	287.7	287.2	285.5	284.2	281.0
17.5°	240.4	240.9	237.6	237.1	235.9
20°	195.8	194.3	194.1	194.3	192.8
22.5°	154.5	156.0	154.3	154.5	153.5
25°	119.9	120.2	120.7	120.7	119.9
27.5°	93.2	93.2	92.7	93.2	92.4
30°	70.6	70.6	71.1	71.6	70.6
32.5°	54.6	54.6	54.6	54.8	55.1
35°	41.3	41.3	41.6	41.6	41.6
37.5°	31.8	32.1	32.3	32.3	32.3
40°	24.5	24.8	24.8	25.0	24.8
42.5°	19.5	19.5	19.5	19.8	19.8
45°	15.3	15.5	15.5	15.8	15.8
47.5°	12.5	12.5	12.5	12.8	12.8
50°	10.0	10.3	10.3	10.3	10.3
52.5°	8.3	8.3	8.5	8.5	8.5
55°	7.0	7.0	7.0	7.0	7.0
57.5°	5.8	6.0	6.0	6.0	6.0
60°	5.0	5.0	5.0	5.0	5.0
62.5°	4.3	4.3	4.3	4.3	4.3
65°	3.8	3.8	3.8	3.8	3.8
67.5°	3.0	3.3	3.3	3.3	3.3
70°	2.8	2.8	2.8	2.8	2.8
72.5°	2.0	2.3	2.3	2.3	2.3
75°	1.8	1.8	1.8	1.8	1.8
77.5°	1.5	1.3	1.3	1.3	1.5
80°	1.0	1.0	1.0	1.0	1.0
82.5°	0.8	0.8	0.8	0.8	0.8
85°	0.3	0.3	0.3	0.3	0.5
87.5°	0.0	0.0	0.0	0.3	0.3



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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)