

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: P1316121

Luminaire Tested: LDSQA3D02R359740DE010 3LSQPHRL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316121
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: LDSQA3D02R359740DE010 3LSQPHRL1MB
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 97CRI , 3LSQPHRL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

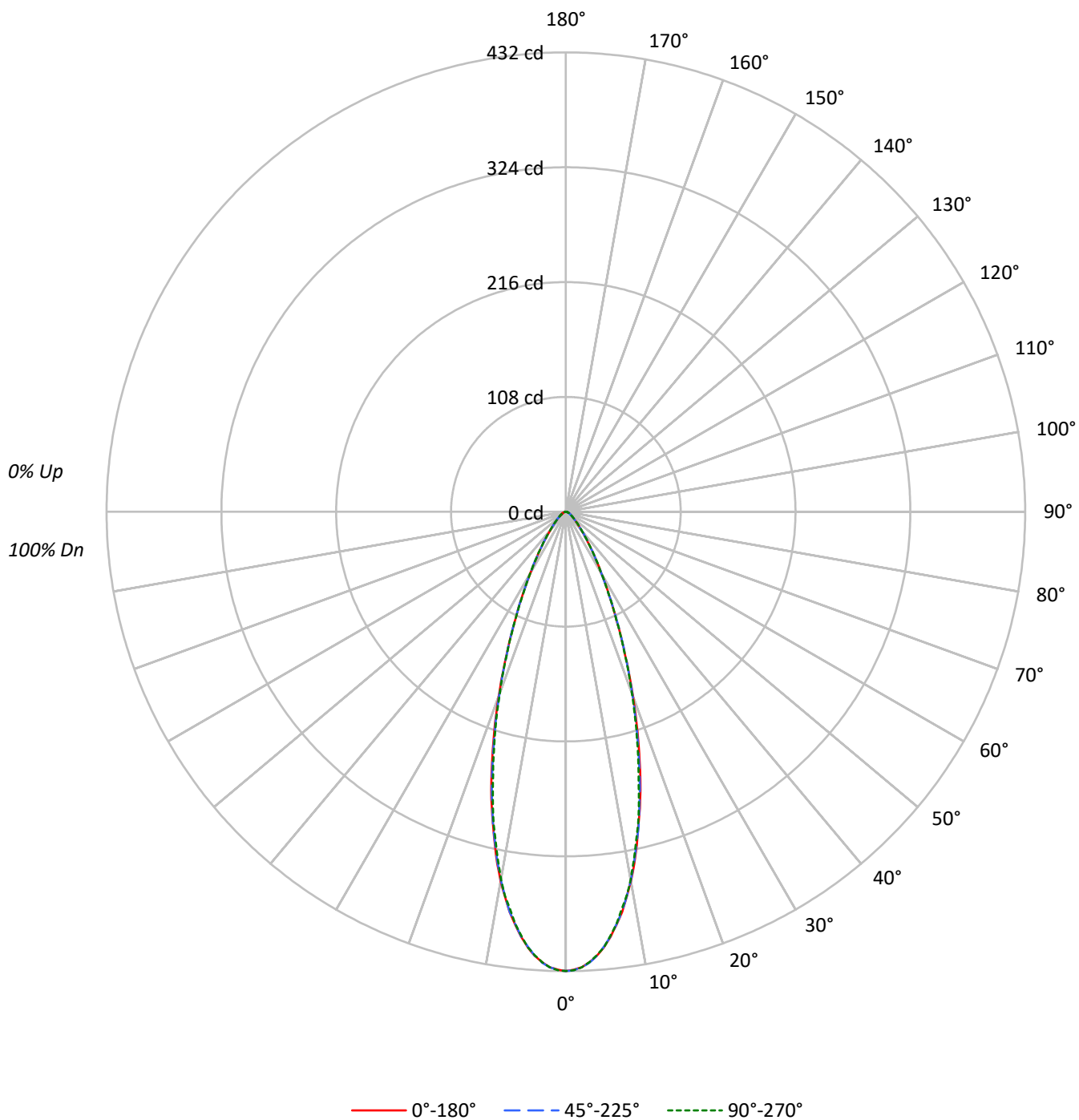
Lumens per Lamp: N/A
Luminaire Lumens: 213.0 lumens
Efficiency: N/A
Efficacy: 59.2 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	74383	74383	74383
5°	71071	70950	71071
10°	61697	61505	61418
15°	48354	47980	47213
20°	33833	33521	33301
25°	21473	21625	21473
30°	13244	13324	13244
35°	8179	8242	8242
40°	5193	5261	5261
45°	3507	3556	3629
50°	2519	2599	2599
55°	1982	1982	1982
60°	1619	1619	1619
65°	1426	1426	1426
70°	1309	1309	1309
75°	1131	1131	1131
80°	893	893	893
85°	395	395	988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 3629 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.3	17.5
10°-20°	73.5	34.5
20°-30°	53.0	24.9
30°-40°	25.6	12.0
40°-50°	11.8	5.5
50°-60°	6.1	2.9
60°-70°	3.5	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°	163.8	76.9
0°-40°	189.4	88.9
0°-60°	207.3	97.3
0°-90°	213.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	213.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	432	432	432	432	432	
5°	411	412	410	411	411	37
15°	271	271	269	268	265	74
25°	113	113	114	114	113	53
35°	39	39	39	39	39	25
45°	14	15	15	15	15	12
55°	7	7	7	7	7	6
65°	4	4	4	4	4	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°	431.9	431.9	431.9	431.9	431.9
1°	430.7	431.4	431.2	431.4	431.2
2°	428.6	429.1	428.6	428.8	428.8
3°	424.1	424.6	424.6	424.3	424.1
4°	418.7	419.9	418.7	418.9	418.2
5°	411.1	412.1	410.4	410.7	411.1
6°	401.9	402.2	401.7	401.5	401.0
7°	391.3	392.2	390.6	390.8	390.4
8°	380.0	379.7	379.7	378.8	377.4
9°	366.3	367.2	365.8	365.3	365.6
10°	352.8	352.8	351.7	350.5	351.2
11°	337.5	337.0	336.3	334.7	334.2
12°	320.7	321.7	319.6	318.8	317.2
13°	303.5	304.9	304.0	301.4	301.6
14°	287.5	286.5	285.8	285.3	283.7
15°	271.2	270.7	269.1	267.9	264.8
17.5°	226.6	227.0	224.0	223.5	222.3
20°	184.6	183.1	182.9	183.1	181.7
22.5°	145.6	147.0	145.4	145.6	144.7
25°	113.0	113.3	113.8	113.8	113.0
27.5°	87.8	87.8	87.3	87.8	87.1
30°	66.6	66.6	67.0	67.5	66.6
32.5°	51.5	51.5	51.5	51.7	51.9
35°	38.9	38.9	39.2	39.2	39.2
37.5°	30.0	30.2	30.4	30.4	30.4
40°	23.1	23.4	23.4	23.6	23.4
42.5°	18.4	18.4	18.4	18.6	18.6
45°	14.4	14.6	14.6	14.9	14.9
47.5°	11.8	11.8	11.8	12.0	12.0
50°	9.4	9.7	9.7	9.7	9.7
52.5°	7.8	7.8	8.0	8.0	8.0
55°	6.6	6.6	6.6	6.6	6.6
57.5°	5.4	5.7	5.7	5.7	5.7
60°	4.7	4.7	4.7	4.7	4.7
62.5°	4.0	4.0	4.0	4.0	4.0
65°	3.5	3.5	3.5	3.5	3.5
67.5°	2.8	3.1	3.1	3.1	3.1
70°	2.6	2.6	2.6	2.6	2.6
72.5°	1.9	2.1	2.1	2.1	2.1
75°	1.7	1.7	1.7	1.7	1.7
77.5°	1.4	1.2	1.2	1.2	1.4
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	0.5
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)