

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: P1319626

Luminaire Tested: LDSQA3D02R159840DE010 3LSQPHRL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319626
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: LDSQA3D02R159840DE010 3LSQPHRL1MB
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 98CRI , 3LSQPHRL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

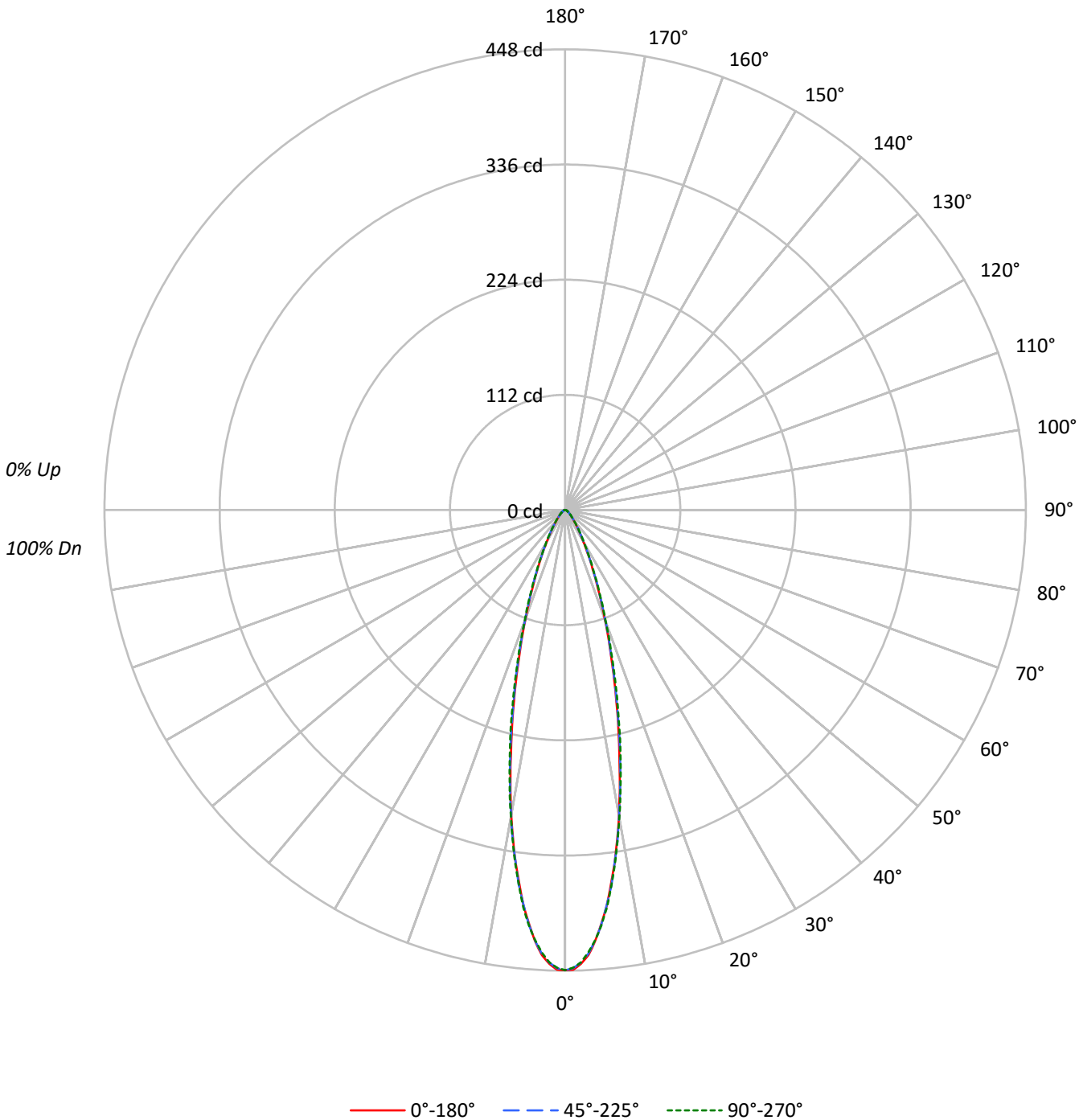
Lumens per Lamp: N/A
Luminaire Lumens: 148.0 lumens
Efficiency: N/A
Efficacy: 41.1 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	96	96	94
2	109	104	101	97	107	103	99	96	99	97	94	97	94	92	94	92	90	90	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	85	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	81	81	80
5	96	88	83	79	94	87	83	79	86	82	78	84	80	78	83	79	77	77	77	76
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	73	73	72
7	88	80	75	71	87	80	75	71	79	74	71	77	73	71	76	73	70	70	70	69
8	85	77	72	68	84	76	72	68	75	71	68	74	70	68	74	70	67	67	67	66
9	82	74	69	65	81	73	69	65	73	68	65	72	68	65	71	67	65	65	65	64
10	79	71	66	63	78	71	66	63	70	66	63	69	65	62	69	65	62	62	62	61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	77070	77070	77070
5°	69809	69947	70051
10°	52709	52849	53111
15°	34180	34554	35232
20°	20582	20820	21113
25°	12029	12276	12466
30°	7060	7298	7398
35°	4352	4520	4604
40°	2855	2945	2990
45°	1997	2046	2095
50°	1474	1527	1581
55°	1201	1261	1261
60°	1033	1033	1033
65°	937	937	937
70°	755	856	856
75°	732	732	732
80°	595	793	793
85°	395	395	395

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 2095 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.3	23.8
10°-20°	53.9	36.4
20°-30°	30.6	20.7
30°-40°	14.0	9.4
40°-50°	6.7	4.5
50°-60°	3.7	2.5
60°-70°	2.3	1.6
70°-80°	1.2	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°	119.8	80.9
0°-40°	133.8	90.4
0°-60°	144.2	97.4
0°-90°	148.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	148.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	448	448	448	448	448	
5°	404	404	405	405	405	35
15°	192	193	194	196	198	53
25°	63	63	65	65	66	30
35°	21	21	22	22	22	14
45°	8	8	8	9	9	7
55°	4	4	4	4	4	4
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°	447.5	447.5	447.5	447.5	447.5
1°	447.2	446.0	445.6	445.5	445.1
2°	441.5	440.5	440.3	440.3	440.1
3°	433.5	431.8	432.0	431.4	430.8
4°	420.0	419.2	419.6	420.0	419.2
5°	403.8	403.6	404.6	404.6	405.2
6°	387.1	386.9	386.3	387.9	388.6
7°	365.8	367.0	368.5	367.7	368.3
8°	346.4	345.1	345.7	347.6	347.8
9°	323.6	322.7	325.2	325.9	326.1
10°	301.4	302.4	302.2	304.8	303.7
12.5°	243.4	245.0	246.7	247.8	249.0
15°	191.7	192.7	193.8	196.5	197.6
17.5°	147.5	148.6	149.8	152.0	152.4
20°	112.3	112.9	113.6	115.7	115.2
22.5°	84.0	84.9	85.7	86.7	87.2
25°	63.3	63.3	64.6	65.2	65.6
27.5°	47.1	47.5	48.5	49.2	49.0
30°	35.5	36.1	36.7	37.1	37.2
32.5°	27.4	27.4	27.9	28.5	28.7
35°	20.7	21.1	21.5	21.9	21.9
37.5°	16.2	16.3	16.7	16.9	16.9
40°	12.7	12.7	13.1	13.3	13.3
42.5°	10.1	10.3	10.5	10.6	10.6
45°	8.2	8.2	8.4	8.6	8.6
47.5°	6.7	6.7	6.8	7.0	7.0
50°	5.5	5.7	5.7	5.9	5.9
52.5°	4.8	4.8	4.8	4.9	4.9
55°	4.0	4.0	4.2	4.2	4.2
57.5°	3.4	3.4	3.4	3.6	3.6
60°	3.0	3.0	3.0	3.0	3.0
62.5°	2.7	2.7	2.7	2.7	2.7
65°	2.3	2.3	2.3	2.3	2.3
67.5°	1.9	1.9	1.9	2.1	2.1
70°	1.5	1.7	1.7	1.7	1.7
72.5°	1.3	1.3	1.3	1.3	1.3
75°	1.1	1.1	1.1	1.1	1.1
77.5°	1.0	1.0	1.0	1.0	1.0
80°	0.6	0.8	0.8	0.8	0.8
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)