

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: P1312643

Luminaire Tested: LDSQA3D13R709050DE010 3LSQCLDWWR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312643
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-46)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R709050DE010 3LSQCLDWW1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 5000K CCT AND, 90CRI , 3LSQCLDWW1MB TRI
Light Source: -
Ballast/Driver: -

Summary

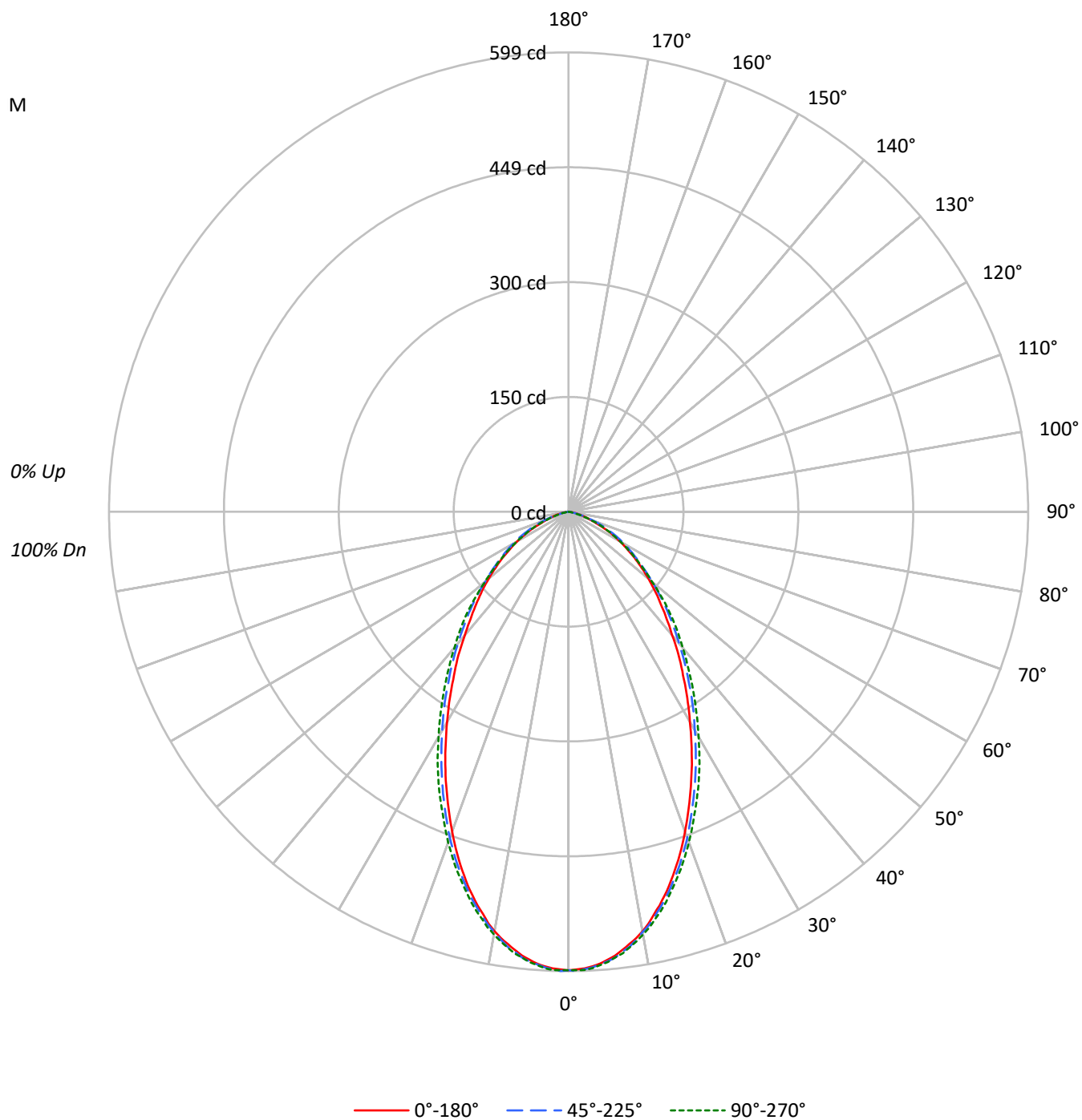
Lumens per Lamp: N/A
Luminaire Lumens: 856.0 lumens
Efficiency: N/A
Efficacy: 58.6 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.93 / 1
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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	111	108	104	102	109	106	103	100	101	99	97		98	96	94		94
2	103	97	92	87	101	95	90	86	92	88	84		89	85	82		86
3	96	87	81	76	94	86	80	75	83	78	74		81	76	72		78
4	89	79	72	66	87	78	71	66	76	70	65		74	69	64		72
5	83	72	65	59	81	71	64	59	69	63	58		67	62	58		66
6	78	66	59	53	76	65	58	53	64	57	53		62	56	52		61
7	73	61	53	48	71	60	53	48	59	52	48		58	52	47		56
8	68	57	49	44	67	56	49	44	55	48	44		53	48	43		52
9	64	53	45	40	63	52	45	40	51	45	40		50	44	40		49
10	61	49	42	37	60	49	42	37	48	41	37		47	41	37		46

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	102972	102972	102972
5°	101360	101723	101896
10°	97146	97320	97880
15°	90130	90896	91645
20°	81356	82914	84087
25°	72058	74072	75878
30°	62941	65467	67376
35°	54706	57607	59394
40°	47280	50382	52046
45°	41381	44230	45521
50°	36412	38127	38127
55°	31557	33179	32218
60°	26695	28520	27073
65°	20783	23799	21639
70°	14955	17624	14955
75°	11312	10580	8451
80°	7339	5256	2083
85°	2174	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 45521 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.1	6.4
10°-20°	142.3	16.6
20°-30°	178.6	20.9
30°-40°	170.6	19.9
40°-50°	138.7	16.2
50°-60°	97.1	11.3
60°-70°	54.8	6.4
70°-80°	17.4	2.0
80°-90°	1.4	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°	376.0	43.9
0°-40°	546.6	63.9
0°-60°	782.4	91.4
0°-90°	856.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	856.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	598	598	598	598	598	
5°	586	587	588	587	589	55
15°	506	507	510	511	514	141
25°	379	383	390	396	399	174
35°	260	264	274	279	282	163
45°	170	174	182	185	187	132
55°	105	106	110	108	107	94
65°	51	54	58	55	53	51
75°	17	17	16	14	13	18
85°	1	1	0	0	0	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	597.9	597.9	597.9	597.9	597.9
1°	596.9	597.9	599.0	596.9	597.9
2°	595.8	596.9	596.9	595.8	597.9
3°	593.7	594.8	594.8	593.7	595.8
4°	590.5	591.6	591.6	590.5	592.6
5°	586.3	587.3	588.4	587.3	589.4
6°	582.0	583.1	584.1	583.1	584.1
7°	575.6	577.8	577.8	577.8	579.9
8°	569.3	571.4	572.4	571.4	573.5
9°	562.9	564.0	565.0	565.0	567.1
10°	555.5	556.5	556.5	557.6	559.7
11°	547.0	547.0	549.1	549.1	552.3
12°	536.3	537.4	539.5	540.6	542.7
13°	526.8	527.8	530.0	531.0	534.2
14°	516.2	518.3	520.4	521.5	524.7
15°	505.5	506.6	509.8	510.8	514.0
17.5°	475.8	476.9	482.2	484.3	487.5
20°	443.9	447.1	452.4	455.6	458.8
22.5°	411.0	414.2	420.6	425.9	428.0
25°	379.2	383.4	389.8	396.1	399.3
27.5°	347.3	351.5	359.0	365.3	369.6
30°	316.5	320.7	329.2	334.5	338.8
32.5°	287.8	292.1	301.6	306.9	310.1
35°	260.2	264.5	274.0	279.3	282.5
37.5°	235.8	240.0	248.5	253.8	256.0
40°	210.3	215.6	224.1	229.4	231.5
42.5°	189.0	193.3	201.8	206.0	209.2
45°	169.9	174.2	181.6	184.8	186.9
47.5°	152.9	155.1	161.4	162.5	164.6
50°	135.9	138.1	142.3	143.4	142.3
52.5°	120.0	122.1	125.3	124.3	124.3
55°	105.1	106.2	110.5	108.3	107.3
57.5°	90.3	92.4	96.6	93.5	92.4
60°	77.5	79.7	82.8	80.7	78.6
62.5°	64.8	65.8	71.2	66.9	64.8
65°	51.0	54.2	58.4	55.2	53.1
67.5°	38.2	43.5	47.8	43.5	41.4
70°	29.7	31.9	35.0	32.9	29.7
72.5°	22.3	23.4	24.4	22.3	20.2
75°	17.0	17.0	15.9	13.8	12.7
77.5°	11.7	11.7	9.6	6.4	6.4
80°	7.4	7.4	5.3	2.1	2.1
82.5°	3.2	3.2	2.1	1.1	1.1
85°	1.1	1.1	0.0	0.0	0.0
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)