

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: P1312326

Luminaire Tested: LDSQA3D05R709050DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312326
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R709050DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

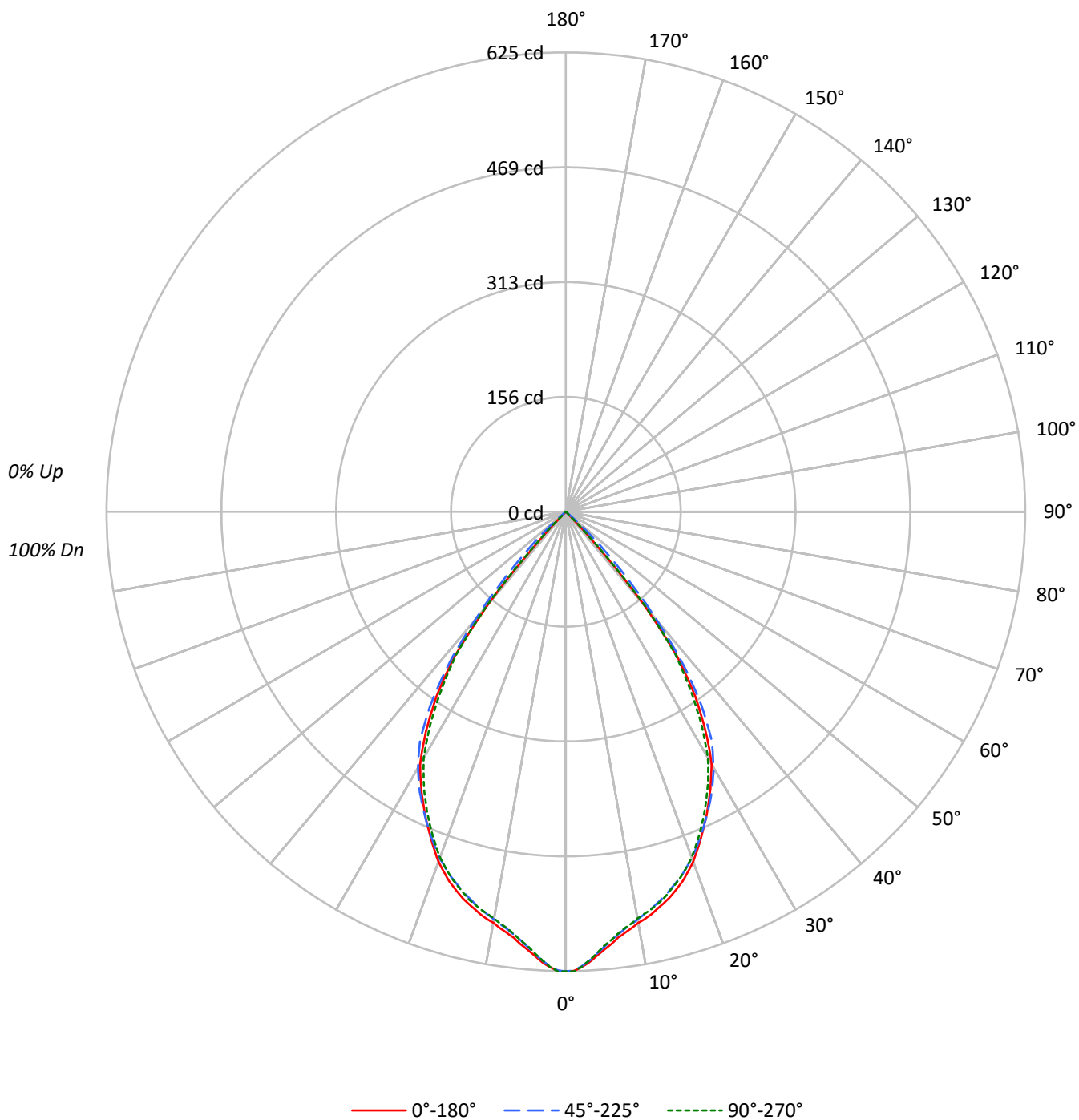
Lumens per Lamp: N/A
Luminaire Lumens: 647.0 lumens
Efficiency: N/A
Efficacy: 89.9 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	113	111	108	106	111	108	106	104	104	103	101		101	99	98		97
2	108	103	98	95	105	101	97	94	98	95	92		95	92	90		92
3	102	95	90	86	100	94	89	85	91	87	84		89	86	83		87
4	96	89	83	79	95	88	82	78	85	81	77		83	79	76		81
5	91	83	77	72	90	82	76	72	80	75	71		78	74	71		77
6	86	77	71	67	85	76	71	66	75	70	66		73	69	65		72
7	82	72	66	62	80	71	66	61	70	65	61		69	64	61		68
8	78	68	61	57	76	67	61	57	66	61	57		65	60	57		64
9	74	63	57	53	72	63	57	53	62	57	53		61	56	53		60
10	70	60	54	50	69	59	53	50	58	53	49		58	53	49		57

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	107708	107708	107708
5°	103383	102812	102535
10°	99314	98457	98265
15°	96976	95603	95800
20°	92866	91949	91748
25°	86196	86405	85056
30°	78890	79964	76921
35°	64524	67636	62001
40°	37140	43300	38130
45°	536	17999	1875
50°	0	1902	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 17999 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.8	8.6
10°-20°	151.2	23.4
20°-30°	207.7	32.1
30°-40°	188.3	29.1
40°-50°	43.8	6.8
50°-60°	0.2	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	414.7	64.1
0°-40°	603.0	93.2
0°-60°	647.0	100.0
0°-90°	647.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	647.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	625	625	625	625	625	
5°	598	596	595	594	593	56
15°	544	540	536	536	537	153
25°	454	456	455	450	448	208
35°	307	311	322	308	295	184
45°	2	25	74	32	8	26
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
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°	625.4	625.4	625.4	625.4	625.4
1°	624.8	623.7	624.3	624.8	625.4
2°	619.9	618.8	618.8	619.4	619.4
3°	613.9	611.7	611.7	611.2	611.2
4°	605.7	604.0	602.9	602.4	602.4
5°	598.0	596.4	594.7	593.6	593.1
6°	591.5	588.7	586.5	586.0	586.5
7°	583.8	582.2	580.0	578.3	578.9
8°	578.3	576.1	573.4	572.3	572.3
9°	573.4	571.2	568.5	566.3	567.4
10°	567.9	565.7	563.0	561.4	561.9
11°	564.1	561.4	558.1	557.0	557.5
12°	559.7	556.4	553.2	552.6	553.7
13°	554.3	551.0	547.7	547.7	548.8
14°	549.3	545.5	542.2	542.2	543.9
15°	543.9	540.0	536.2	536.2	537.3
17.5°	527.4	524.2	520.3	520.3	520.9
20°	506.7	505.0	501.7	500.1	500.6
22.5°	480.4	480.4	478.7	476.0	474.9
25°	453.6	455.8	454.7	450.3	447.6
27.5°	425.7	429.5	430.1	423.5	418.6
30°	396.7	400.0	402.1	394.5	386.8
32.5°	354.0	363.8	369.3	358.9	343.1
35°	306.9	311.3	321.7	308.0	294.9
37.5°	249.5	255.0	263.7	252.8	245.1
40°	165.2	187.1	192.6	187.1	169.6
42.5°	59.6	105.1	126.4	107.2	70.0
45°	2.2	24.6	73.9	31.7	7.7
47.5°	0.0	0.5	33.4	1.1	0.0
50°	0.0	0.0	7.1	0.0	0.0
52.5°	0.0	0.0	0.5	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	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)