

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: P1311155

Luminaire Tested: LDSQA3D05R309040DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311155
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R309040DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

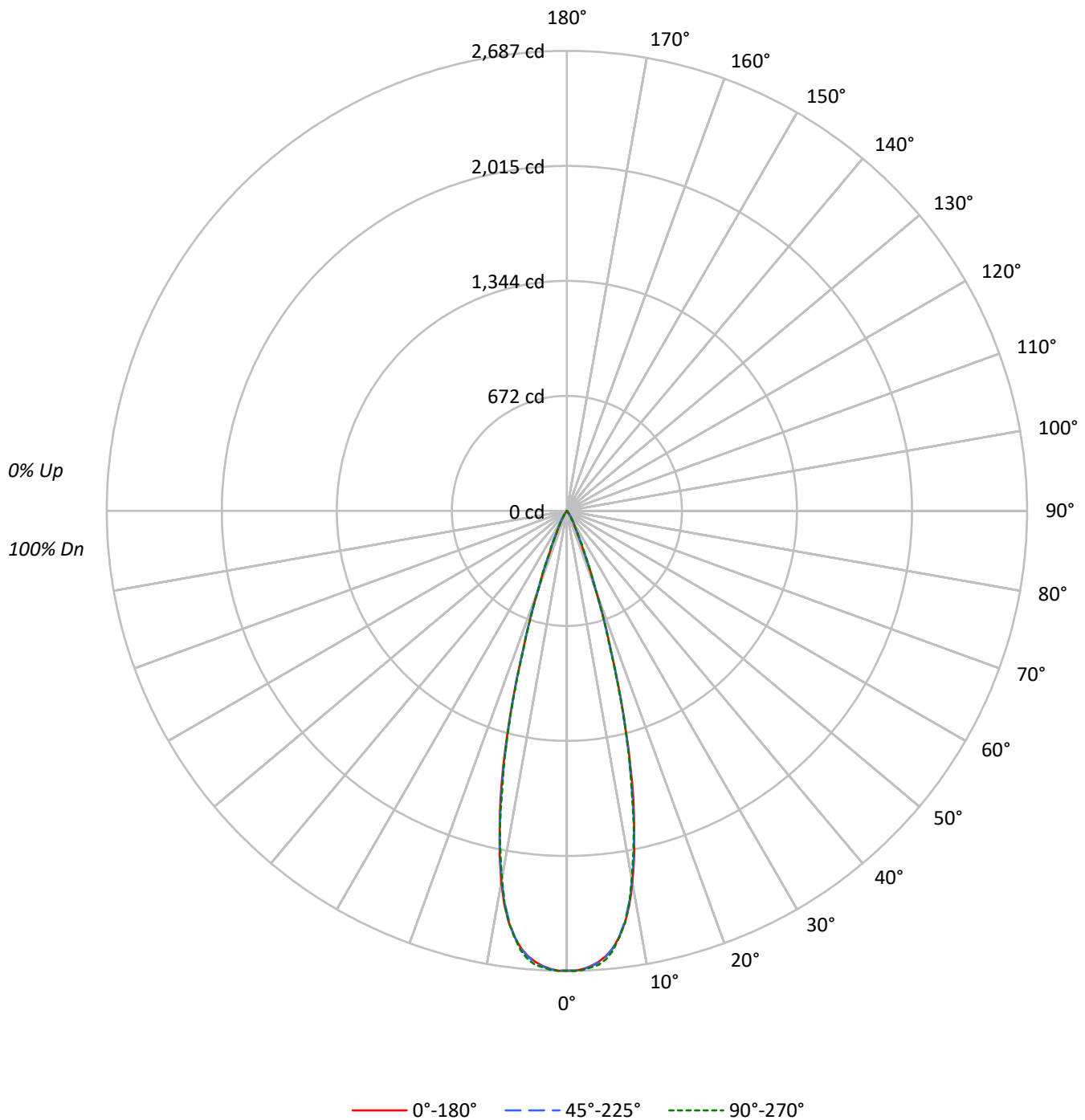
Lumens per Lamp: N/A
Luminaire Lumens: 693.0 lumens
Efficiency: N/A
Efficacy: 96.2 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	115	113	111	110	113	111	109	108	107	106	105		103	102	101		100
2	112	108	105	103	109	106	104	102	103	101	99		100	99	97		98
3	108	104	100	97	106	102	99	97	100	97	95		98	95	94		95
4	105	100	96	93	103	99	95	92	97	94	91		95	92	90		93
5	102	96	92	89	101	95	92	89	94	91	88		92	90	87		91
6	99	93	89	86	98	92	89	86	91	88	85		90	87	85		89
7	96	90	86	83	95	90	86	83	89	85	83		87	85	82		87
8	94	88	84	81	93	87	83	81	86	83	80		85	82	80		84
9	91	85	81	78	91	85	81	78	84	80	78		83	80	78		82
10	89	83	79	76	88	82	79	76	82	78	76		81	78	76		80

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	462538	462538	462538
5°	451253	451823	454330
10°	385417	383616	381360
15°	237850	235050	235924
20°	89897	90391	90282
25°	27649	30309	28884
30°	11156	14139	11574
35°	3280	6013	3406
40°	1326	2428	1326
45°	268	779	268
50°	0	134	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: 779 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	236.9	34.2
10°-20°	350.7	50.6
20°-30°	87.0	12.6
30°-40°	16.3	2.4
40°-50°	2.0	0.3
50°-60°	0.0	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°	674.6	97.3
0°-40°	690.9	99.7
0°-60°	693.0	100.0
0°-90°	693.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	693.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2686	2686	2686	2686	2686	
5°	2610	2609	2614	2618	2628	237
15°	1334	1321	1318	1329	1323	352
25°	146	155	160	159	152	84
35°	16	20	29	21	16	13
45°	1	2	3	2	1	1
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°	2685.7	2685.7	2685.7	2685.7	2685.7
1°	2686.8	2684.6	2684.6	2681.4	2687.3
2°	2677.1	2674.9	2678.7	2676.0	2683.5
3°	2662.5	2659.8	2665.2	2666.8	2670.6
4°	2641.0	2638.8	2644.7	2648.0	2658.2
5°	2610.2	2609.2	2613.5	2617.8	2628.0
6°	2568.2	2566.6	2569.3	2574.7	2581.1
7°	2507.3	2504.1	2506.2	2507.3	2508.9
8°	2430.2	2425.4	2422.7	2428.6	2431.8
9°	2331.1	2325.7	2319.7	2317.6	2325.1
10°	2203.9	2195.8	2193.6	2188.2	2180.7
11°	2056.2	2049.7	2048.1	2038.4	2034.1
12°	1886.9	1883.7	1887.5	1881.6	1879.4
13°	1724.7	1704.2	1701.5	1690.2	1684.3
14°	1532.8	1514.0	1513.4	1507.5	1515.6
15°	1334.0	1321.0	1318.3	1328.6	1323.2
17.5°	850.5	859.1	857.0	851.6	842.4
20°	490.5	484.5	493.2	495.3	492.6
22.5°	261.4	263.6	265.2	271.6	276.0
25°	145.5	155.2	159.5	159.0	152.0
27.5°	90.5	96.5	104.6	99.2	93.2
30°	56.1	60.9	71.1	61.4	58.2
32.5°	30.2	38.3	45.8	38.3	31.3
35°	15.6	20.5	28.6	21.0	16.2
37.5°	10.2	11.9	18.3	11.9	10.2
40°	5.9	7.5	10.8	7.5	5.9
42.5°	2.7	4.3	5.9	4.3	2.7
45°	1.1	1.6	3.2	2.2	1.1
47.5°	0.0	0.5	1.6	0.5	0.0
50°	0.0	0.0	0.5	0.0	0.0
52.5°	0.0	0.0	0.0	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)