

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: P1309098

Luminaire Tested: LDSQA3D09R359030DE010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309098
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R359030DE010 3LSQPHR1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 90CRI , 3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

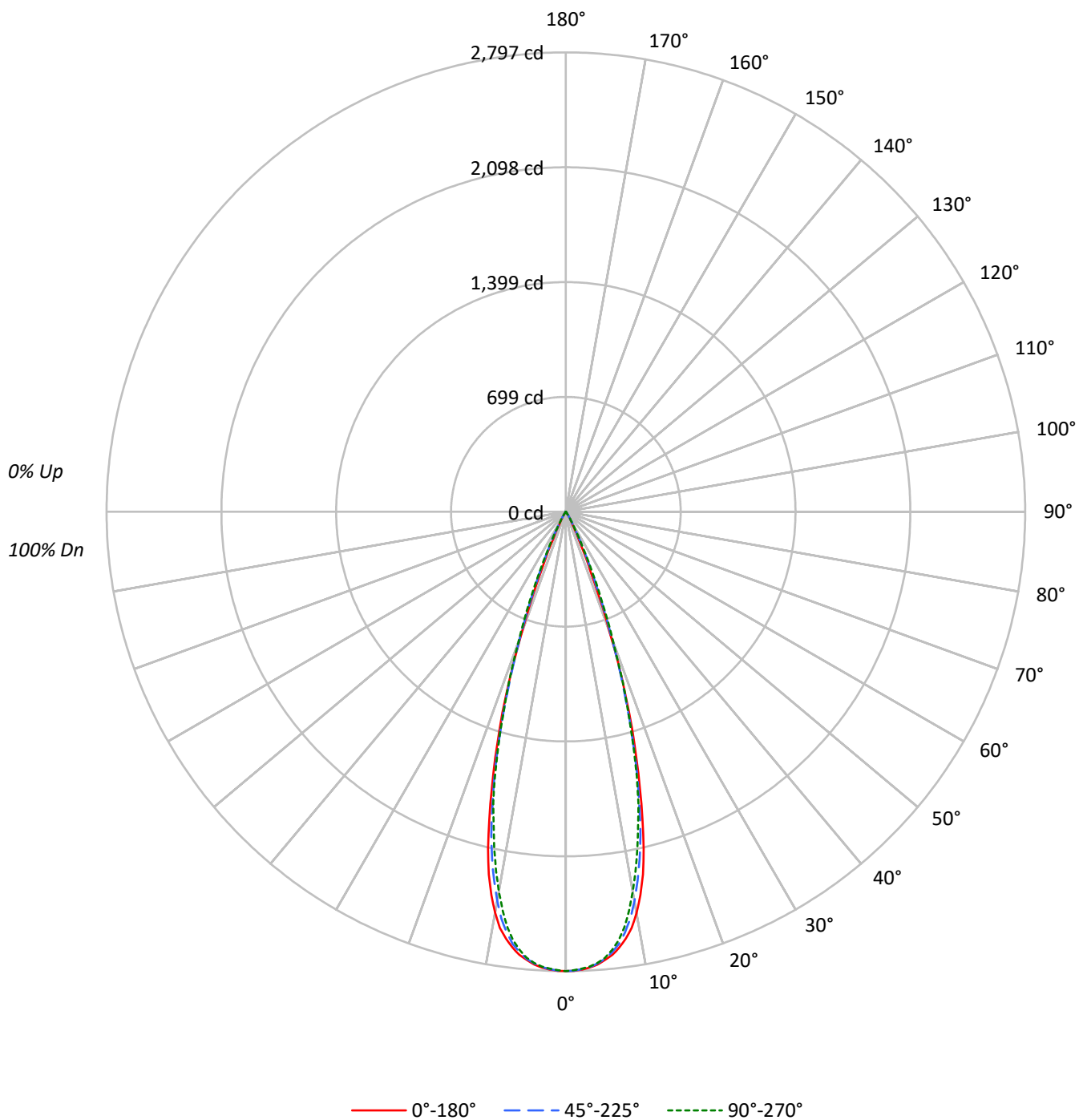
Lumens per Lamp: N/A
Luminaire Lumens: 849.0 lumens
Efficiency: N/A
Efficacy: 76.5 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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	109	113	111	109	108	107	106	104		103	102	101		100
2	111	108	105	102	109	106	103	101	103	101	99		100	98	97		97
3	108	103	100	97	106	102	99	96	99	97	94		97	95	93		95
4	104	99	95	92	103	98	94	92	96	93	91		94	92	90		93
5	101	95	91	88	100	95	91	88	93	90	87		92	89	87		90
6	98	92	88	85	97	91	88	85	90	87	84		89	86	84		88
7	96	89	85	82	94	89	85	82	87	84	81		86	83	81		85
8	93	86	82	79	92	86	82	79	85	81	79		84	81	79		83
9	90	84	80	77	89	83	79	77	82	79	76		82	79	76		81
10	88	81	77	75	87	81	77	74	80	77	74		80	76	74		79

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	481741	481741	481741
5°	473468	472448	471445
10°	433911	420882	410652
15°	310702	300807	297151
20°	144073	149040	154263
25°	34186	48628	50718
30°	10043	11494	12946
35°	2313	3700	3385
40°	495	989	652
45°	170	170	170
50°	188	0	188
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: 0°

Vertical Angle: 52.5°

Luminance: 198 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.1	29.6
10°-20°	448.9	52.9
20°-30°	135.1	15.9
30°-40°	12.9	1.5
40°-50°	0.9	0.1
50°-60°	0.1	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°	835.1	98.4
0°-40°	848.1	99.9
0°-60°	849.0	100.0
0°-90°	849.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	849.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2797	2797	2797	2797	2797	
5°	2739	2738	2733	2729	2727	254
15°	1743	1730	1687	1680	1667	460
25°	180	198	256	267	267	116
35°	11	15	18	19	16	10
45°	1	1	1	1	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°	2797.2	2797.2	2797.2	2797.2	2797.2
1°	2795.7	2795.7	2794.2	2794.2	2791.3
2°	2789.1	2789.8	2786.9	2786.2	2784.0
3°	2778.9	2776.7	2776.7	2775.2	2773.8
4°	2762.8	2758.4	2756.9	2757.7	2754.7
5°	2738.7	2737.9	2732.8	2729.2	2727.0
6°	2712.3	2707.2	2696.2	2686.7	2684.5
7°	2672.8	2661.9	2652.4	2632.6	2629.7
8°	2624.6	2607.0	2586.6	2558.8	2557.3
9°	2565.3	2536.8	2508.3	2471.0	2457.8
10°	2481.2	2454.9	2406.7	2373.7	2348.2
11°	2376.7	2343.8	2287.5	2248.0	2226.8
12°	2258.2	2227.5	2161.7	2125.8	2095.9
13°	2106.1	2080.5	2019.1	1979.6	1956.2
14°	1929.9	1910.8	1852.3	1834.8	1826.7
15°	1742.6	1729.5	1687.1	1679.8	1666.6
17.5°	1282.7	1260.7	1236.6	1241.0	1245.4
20°	786.1	816.8	813.2	829.3	841.7
22.5°	392.0	431.5	477.5	505.3	519.2
25°	179.9	198.2	255.9	266.9	266.9
27.5°	90.7	95.1	120.7	122.9	128.7
30°	50.5	54.1	57.8	64.4	65.1
32.5°	25.6	30.0	31.4	35.1	33.6
35°	11.0	14.6	17.6	19.0	16.1
37.5°	5.1	6.6	9.5	8.8	6.6
40°	2.2	2.9	4.4	3.7	2.9
42.5°	1.5	1.5	2.2	1.5	1.5
45°	0.7	0.7	0.7	0.7	0.7
47.5°	0.7	0.7	0.0	0.7	0.7
50°	0.7	0.0	0.0	0.0	0.7
52.5°	0.7	0.0	0.0	0.0	0.7
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)