

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: P1311160

Luminaire Tested: LDSQA3D05R309040DE010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311160
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R309040DE010 3LSQPHR1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , 3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

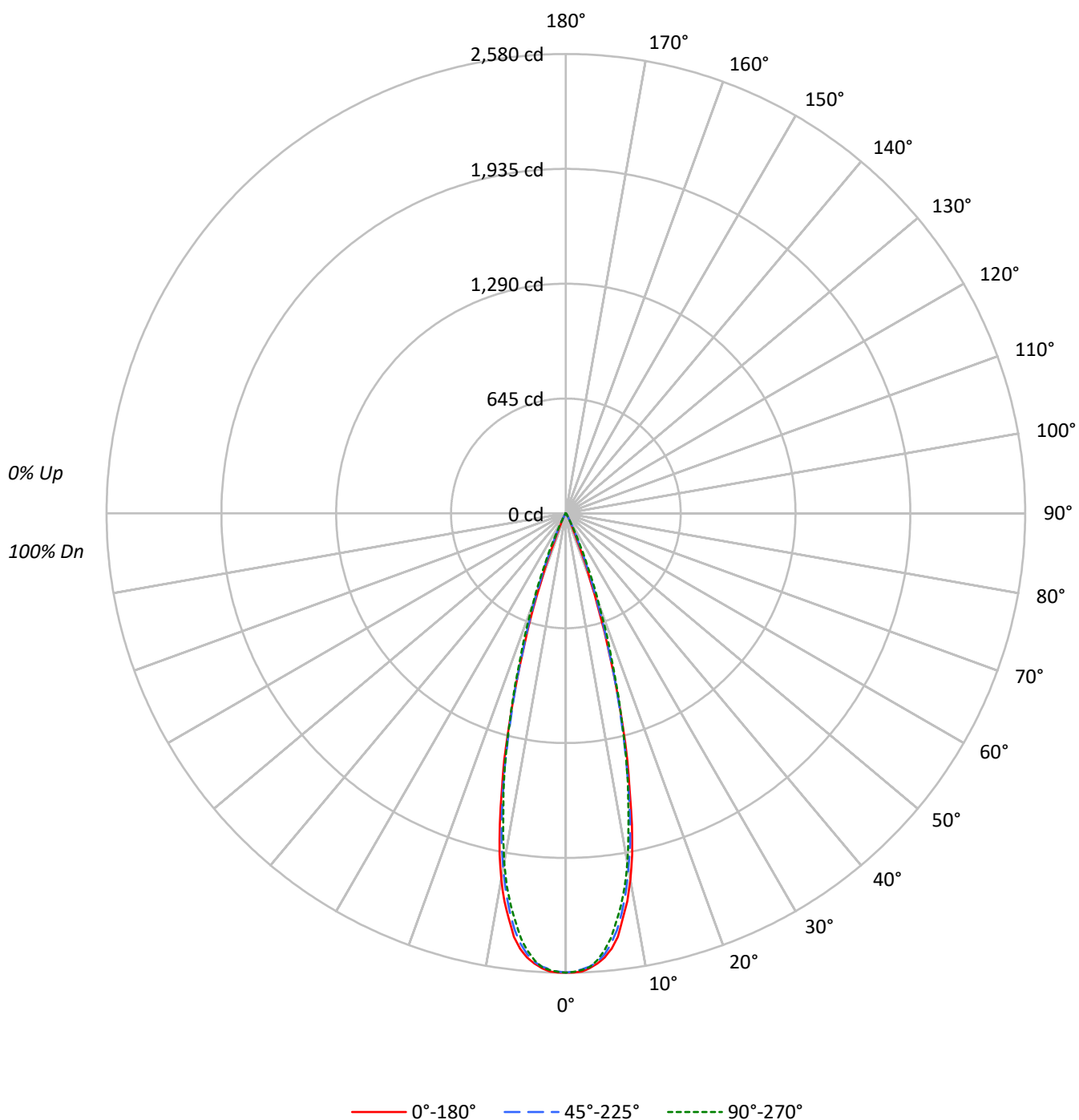
Lumens per Lamp: N/A
Luminaire Lumens: 625.0 lumens
Efficiency: N/A
Efficacy: 86.8 lumens/watt
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	103	102		100
2	112	108	105	103	110	107	104	102	104	101	100		101	99	98		98
3	108	104	101	98	107	103	100	97	100	98	96		98	96	94		96
4	105	100	97	94	104	99	96	93	97	94	92		95	93	91		94
5	102	97	93	90	101	96	93	90	95	91	89		93	90	88		92
6	100	94	90	87	99	93	90	87	92	89	86		91	88	86		90
7	97	91	87	84	96	91	87	84	90	86	84		88	86	83		88
8	95	89	85	82	94	88	84	82	87	84	82		86	83	81		86
9	92	86	82	80	92	86	82	80	85	82	79		84	81	79		84
10	90	84	80	78	90	84	80	78	83	80	77		82	79	77		82

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	444231	444231	444231
5°	432789	429816	426271
10°	365236	354026	348272
15°	220109	213958	217898
20°	74666	86213	99445
25°	13720	21511	25388
30°	4713	5250	5886
35°	1367	1703	1808
40°	360	607	495
45°	122	122	122
50°	134	0	134
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: 141 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	223.0	35.7
10°-20°	326.0	52.2
20°-30°	69.0	11.0
30°-40°	6.3	1.0
40°-50°	0.6	0.1
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°	618.0	98.9
0°-40°	624.3	99.9
0°-60°	625.0	100.0
0°-90°	625.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	625.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2579	2579	2579	2579	2579	
5°	2503	2499	2486	2479	2466	226
15°	1234	1230	1200	1228	1222	326
25°	72	81	113	133	134	53
35°	6	8	8	10	9	5
45°	0	0	0	0	0	0
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°	2579.4	2579.4	2579.4	2579.4	2579.4
1°	2579.9	2577.2	2573.5	2578.9	2575.1
2°	2574.6	2568.1	2562.7	2568.1	2566.5
3°	2558.4	2553.0	2549.2	2551.9	2551.9
4°	2534.1	2528.2	2525.0	2525.5	2517.4
5°	2503.4	2498.6	2486.2	2478.6	2465.7
6°	2458.2	2446.3	2431.2	2418.8	2402.1
7°	2396.7	2378.4	2356.9	2335.3	2314.3
8°	2298.1	2289.5	2260.4	2245.9	2224.8
9°	2205.4	2184.4	2153.2	2129.5	2118.2
10°	2088.5	2057.3	2024.4	2005.5	1991.5
11°	1950.0	1918.3	1891.8	1864.4	1842.8
12°	1787.3	1760.4	1730.2	1711.9	1686.6
13°	1594.4	1590.6	1556.7	1550.8	1547.5
14°	1429.0	1413.9	1380.5	1389.7	1391.8
15°	1234.5	1230.2	1200.0	1228.0	1222.1
17.5°	773.2	774.8	793.7	837.9	851.9
20°	407.4	419.8	470.4	523.7	542.6
22.5°	164.9	192.4	244.1	280.2	304.4
25°	72.2	80.8	113.2	133.1	133.6
27.5°	41.0	41.5	54.4	56.6	57.7
30°	23.7	24.2	26.4	28.0	29.6
32.5°	12.9	14.0	14.5	16.7	16.7
35°	6.5	8.1	8.1	9.7	8.6
37.5°	3.8	4.3	4.8	4.8	4.3
40°	1.6	2.2	2.7	2.7	2.2
42.5°	0.5	1.1	1.1	1.1	1.6
45°	0.5	0.5	0.5	0.5	0.5
47.5°	0.5	0.5	0.0	0.5	0.5
50°	0.5	0.0	0.0	0.0	0.5
52.5°	0.5	0.0	0.0	0.0	0.5
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)