

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: P1312265

Luminaire Tested: LDSQA3D05R359050DE010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312265
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: LDSQA3D05R359050DE010 3LSQPHR1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 5000K CCT AND, 90CRI , 3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

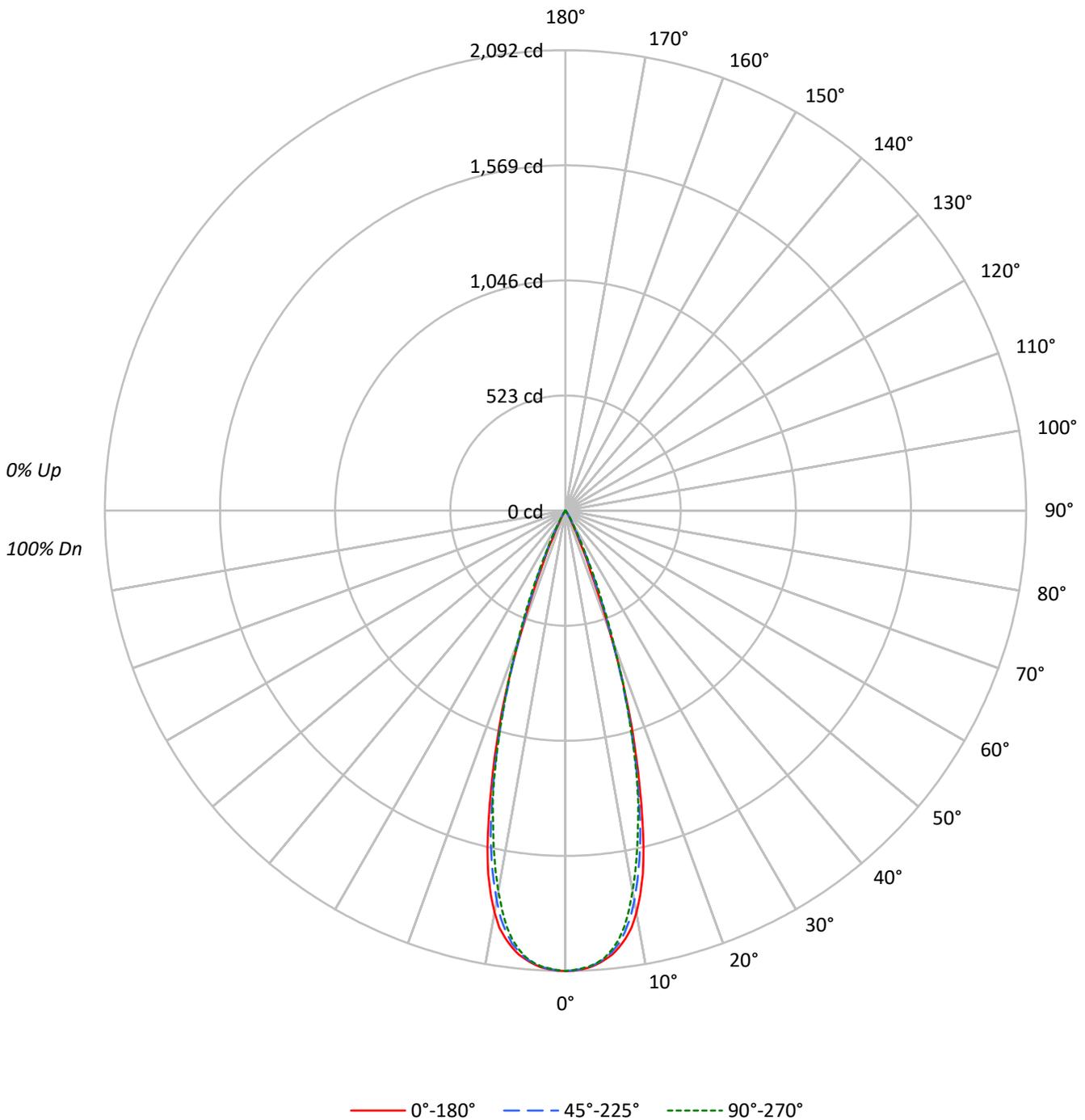
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 635.0 lumens
Efficiency: N/A
Efficacy: 88.2 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): 7.2
Input Voltage (V): NR
Input Current (A_{in}): 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	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	93
3	108	103	100	97	106	102	99	96	99	97	94	97	95	93	95	93	92	90
4	104	99	95	92	103	98	94	92	96	93	91	94	92	90	93	90	89	87
5	101	95	91	88	100	95	91	88	93	90	87	92	89	87	90	88	86	85
6	98	92	88	85	97	91	88	85	90	87	84	89	86	84	88	85	83	82
7	96	89	85	82	94	89	85	82	87	84	81	86	83	81	85	83	81	80
8	93	86	82	79	92	86	82	79	85	81	79	84	81	79	83	80	78	77
9	90	84	80	77	89	83	79	77	82	79	76	82	79	76	81	78	76	75
10	88	81	77	75	87	81	77	74	80	77	74	80	76	74	79	76	74	73

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	360307	360307	360307
5°	354111	353368	352607
10°	324541	314783	307141
15°	232394	224976	222248
20°	107766	111468	115372
25°	25578	36371	37929
30°	7497	8591	9685
35°	1724	2754	2523
40°	360	742	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°	187.8	29.6
10°-20°	335.8	52.9
20°-30°	101.0	15.9
30°-40°	9.7	1.5
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°	624.6	98.4
0°-40°	634.3	99.9
0°-60°	635.0	100.0
0°-90°	635.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	635.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2092	2092	2092	2092	2092	
5°	2048	2048	2044	2041	2040	190
15°	1303	1294	1262	1256	1246	344
25°	135	148	191	200	200	87
35°	8	11	13	14	12	8
45°	0	0	0	0	0	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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2092.1	2092.1	2092.1	2092.1	2092.1
1°	2091.0	2091.0	2089.9	2089.9	2087.7
2°	2086.1	2086.6	2084.4	2083.9	2082.3
3°	2078.4	2076.8	2076.8	2075.7	2074.6
4°	2066.4	2063.1	2062.0	2062.6	2060.4
5°	2048.3	2047.8	2044.0	2041.2	2039.6
6°	2028.7	2024.8	2016.6	2009.5	2007.9
7°	1999.1	1990.9	1983.8	1969.0	1966.9
8°	1963.0	1949.9	1934.6	1913.8	1912.7
9°	1918.7	1897.4	1876.1	1848.2	1838.3
10°	1855.8	1836.1	1800.0	1775.4	1756.3
11°	1777.6	1753.0	1710.9	1681.3	1665.5
12°	1689.0	1666.0	1616.8	1590.0	1567.6
13°	1575.2	1556.1	1510.1	1480.6	1463.1
14°	1443.4	1429.2	1385.4	1372.3	1366.3
15°	1303.4	1293.6	1261.8	1256.4	1246.5
17.5°	959.4	943.0	924.9	928.2	931.5
20°	588.0	610.9	608.2	620.2	629.5
22.5°	293.2	322.7	357.2	377.9	388.3
25°	134.6	148.2	191.4	199.6	199.6
27.5°	67.8	71.1	90.2	91.9	96.3
30°	37.7	40.5	43.2	48.1	48.7
32.5°	19.1	22.4	23.5	26.3	25.2
35°	8.2	10.9	13.1	14.2	12.0
37.5°	3.8	4.9	7.1	6.6	4.9
40°	1.6	2.2	3.3	2.7	2.2
42.5°	1.1	1.1	1.6	1.1	1.1
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)