

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: NEO-RAY

Report Number: P983447

Luminaire Tested: S125IW-B1340UB2750-4F0-XX-W2A_3500K

Issue Date: 5/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P983447
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7)
Test Lab: INNOVATION CENTER
Issue Date: 5/2/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S125IW-B1340UB2750-4F0-XX-W2A_3500K
Description: Define 5 Indirect Wall Mount with 3500K BioUP LEDs {m-DER=0.721} {m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

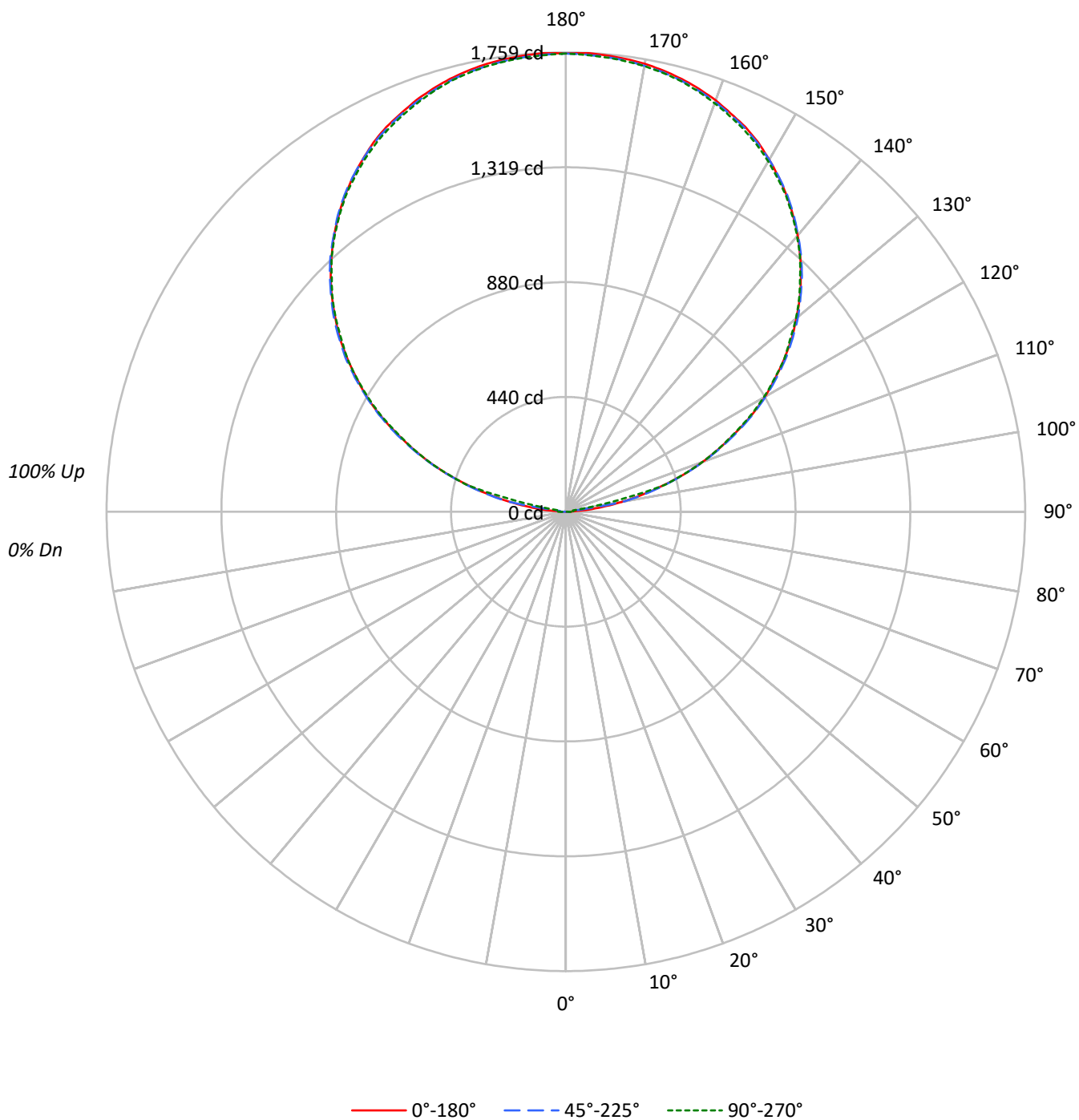
Lumens per Lamp: N/A
Luminaire Lumens: 5393.0 lumens
Efficiency: N/A
Efficacy: 128.1 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

Input Watts (W): 42.1
Input Voltage (V):
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

TEST NUMBER: P983447

CATALOG NUMBER: S125IW-B1340UB2750-4F0-XX-W2A_3500K

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	30	10
RCR																	
0	95	95	95	95	81	81	81	81	56	56	56	32	32	32	10	10	10
1	87	83	79	76	74	71	68	65	48	47	45	28	27	26	9	9	8
2	79	72	66	62	67	62	57	53	42	40	37	24	23	22	8	7	7
3	72	63	56	51	61	54	49	44	37	34	31	21	20	18	7	6	6
4	65	56	48	43	56	48	42	37	33	29	26	19	17	16	6	6	5
5	60	49	42	36	51	42	36	32	29	25	22	17	15	13	5	5	4
6	55	44	36	31	47	38	32	27	26	22	19	15	13	11	5	4	4
7	50	39	32	27	43	34	28	23	23	19	17	14	11	10	4	4	3
8	47	35	28	23	40	30	24	20	21	17	14	12	10	9	4	3	3
9	43	32	25	20	37	27	22	18	19	15	13	11	9	8	4	3	3
10	40	29	22	18	34	25	19	16	17	14	11	10	8	7	3	3	2

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	0	0	0
5°	0	0	0
10°	0	0	0
15°	0	0	0
20°	0	0	0
25°	0	0	0
30°	0	0	0
35°	0	0	0
40°	0	0	0
45°	0	0	0
50°	0	0	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: 0°
Vertical Angle: 0°
Luminance: 0 cd/sqm

TEST NUMBER: P983447

CATALOG NUMBER: S125IW-B1340UB2750-4F0-XX-W2A_3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.0	0.0
10°-20°	0.0	0.0
20°-30°	0.0	0.0
30°-40°	0.0	0.0
40°-50°	0.0	0.0
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	2.6	0.0
90°-100°	59.5	1.1
100°-110°	396.0	7.3
110°-120°	713.2	13.2
120°-130°	915.4	17.0
130°-140°	984.6	18.3
140°-150°	924.1	17.1
150°-160°	747.5	13.9
160°-170°	483.4	9.0
170°-180°	166.7	3.1
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	2.6	0.0
90°-120°	1168.8	21.7
90°-150°	3992.8	74.0
90°-180°	5390.0	99.9
0°-180°	5393.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	0	0	0	0	0	
5°	0	0	0	0	0	0
15°	0	0	0	0	0	0
25°	0	0	0	0	0	0
35°	0	0	0	0	0	0
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°	1	12	21	27	31	4
95°	74	70	21	27	27	91
105°	382	388	388	388	386	405
115°	718	725	726	721	713	712
125°	1021	1030	1030	1025	1021	912
135°	1274	1281	1279	1276	1268	982
145°	1476	1479	1479	1480	1472	923
155°	1626	1618	1621	1625	1614	749
165°	1716	1708	1709	1717	1707	485
175°	1755	1747	1748	1759	1747	167
180°	1755	1755	1755	1755	1755	

TEST NUMBER: P983447

CATALOG NUMBER: S125IW-B1340UB2750-4F0-XX-W2A_3500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	0.0	0.0	0.0	0.0	0.0
2.5°	0.0	0.0	0.0	0.0	0.0
5°	0.0	0.0	0.0	0.0	0.0
7.5°	0.0	0.0	0.0	0.0	0.0
10°	0.0	0.0	0.0	0.0	0.0
12.5°	0.0	0.0	0.0	0.0	0.0
15°	0.0	0.0	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0	0.0
22.5°	0.0	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0	0.0
27.5°	0.0	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	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
90°	1.3	11.7	20.8	27.3	31.2
92.5°	24.7	13.0	20.8	27.3	28.6
95°	74.1	70.2	20.8	27.3	27.3
97.5°	139.2	147.0	23.4	26.0	27.3
100°	217.2	221.1	226.3	32.5	27.3
102.5°	296.6	301.8	304.4	307.0	197.7
105°	382.4	387.6	387.6	387.6	386.3
107.5°	470.9	470.9	473.5	474.8	469.6
110°	556.8	556.8	559.4	555.5	556.8

TEST NUMBER: P983447

CATALOG NUMBER: S125IW-B1340UB2750-4F0-XX-W2A_3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	637.4	641.3	642.6	637.4	634.8
115°	718.1	724.6	725.9	720.7	712.8
117.5°	802.6	802.6	807.8	800.0	797.4
120°	880.7	879.4	883.3	880.7	874.2
122.5°	949.6	956.1	957.4	954.8	947.0
125°	1021.1	1030.3	1030.3	1025.0	1021.1
127.5°	1090.1	1096.6	1095.3	1092.7	1082.3
130°	1152.5	1159.0	1160.3	1156.4	1149.9
132.5°	1215.0	1222.8	1218.9	1218.9	1212.4
135°	1273.5	1281.3	1278.7	1276.1	1268.3
137.5°	1328.1	1335.9	1333.3	1333.3	1326.8
140°	1381.5	1384.1	1382.8	1385.4	1377.6
142.5°	1429.6	1430.9	1433.5	1433.5	1425.7
145°	1476.4	1479.0	1479.0	1480.3	1472.5
147.5°	1518.1	1518.1	1519.4	1520.7	1511.6
150°	1557.1	1554.5	1557.1	1559.7	1549.3
152.5°	1594.8	1588.3	1590.9	1593.5	1584.4
155°	1626.0	1618.2	1620.8	1624.7	1614.3
157.5°	1650.7	1646.8	1646.8	1650.7	1640.3
160°	1676.8	1669.0	1670.3	1675.5	1665.1
162.5°	1697.6	1689.8	1691.1	1698.9	1687.2
165°	1715.8	1708.0	1709.3	1717.1	1706.7
167.5°	1730.1	1722.3	1723.6	1732.7	1721.0
170°	1741.8	1732.7	1734.0	1744.4	1732.7
172.5°	1749.6	1740.5	1743.1	1752.2	1740.5
175°	1754.8	1747.0	1748.3	1758.7	1747.0
177.5°	1758.7	1750.9	1752.2	1761.3	1750.9
180°	1754.8	1754.8	1754.8	1754.8	1754.8

(END OF REPORT)