

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: P983462

Luminaire Tested: S125IW-B1560UB2750-4F0-XX-W2A-1_3500K

Issue Date: 5/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P983462
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11)
Test Lab: INNOVATION CENTER
Issue Date: 5/2/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S125IW-B1560UB2750-4F0-XX-W2A-1_3500K
Description: Define 5 Indirect Wall Mount with 3500K BioUP LEDs {m-DER=0.721} {m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

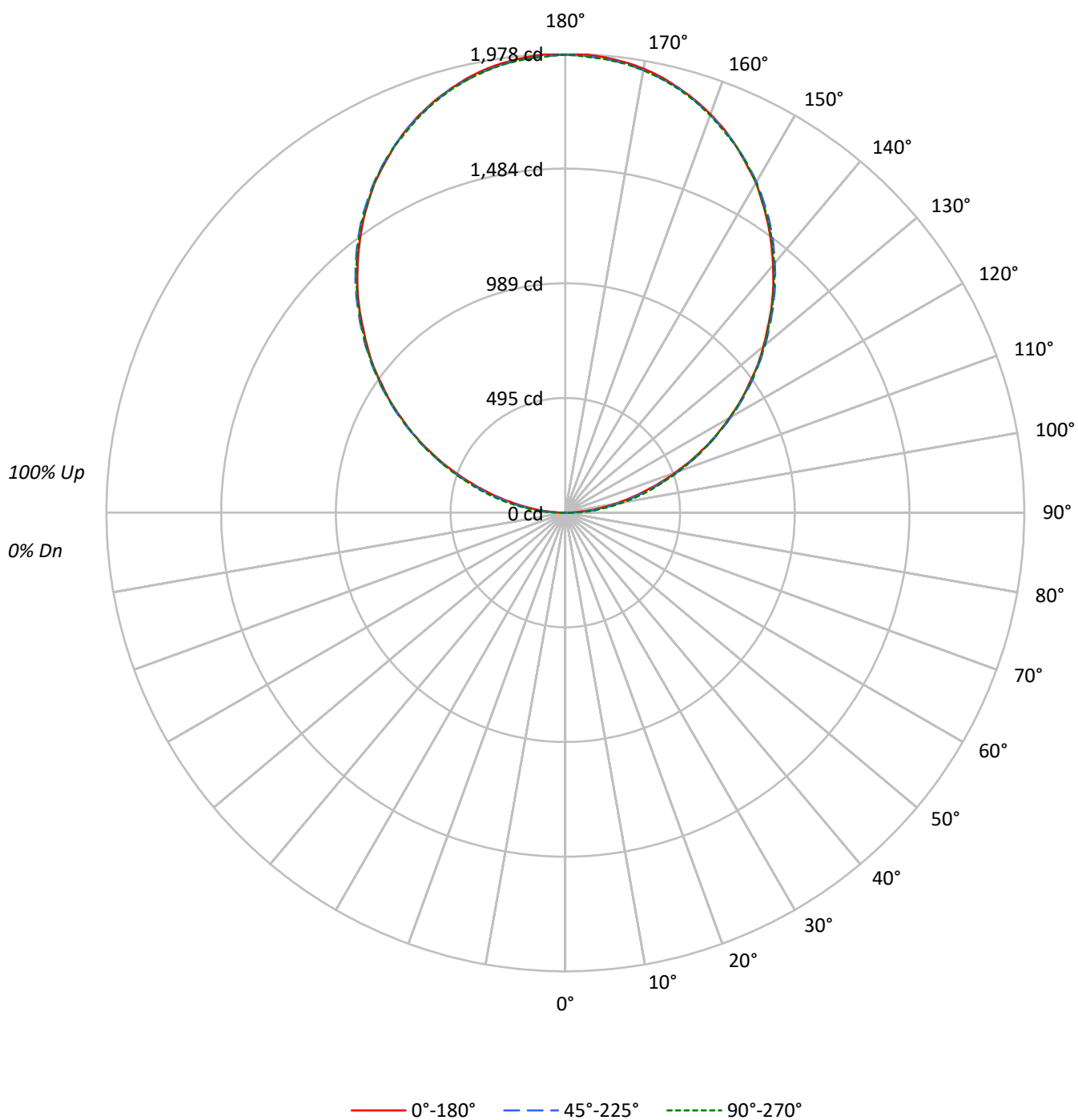
Lumens per Lamp: N/A
Luminaire Lumens: 5515.0 lumens
Efficiency: N/A
Efficacy: 105.7 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

Input Watts (W): 52.2
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: P983462

CATALOG NUMBER: S125IW-B1560UB2750-4F0-XX-W2A-1_3500K

Luminous Intensity Polar Plot



TEST NUMBER: P983462

CATALOG NUMBER: S125IW-B1560UB2750-4F0-XX-W2A-1_3500K

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: P983462

CATALOG NUMBER: S125IW-B1560UB2750-4F0-XX-W2A-1_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°	3.1	0.1
90°-100°	131.3	2.4
100°-110°	390.1	7.1
110°-120°	661.7	12.0
120°-130°	871.1	15.8
130°-140°	976.1	17.7
140°-150°	956.8	17.3
150°-160°	803.6	14.6
160°-170°	534.2	9.7
170°-180°	186.9	3.4
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	3.1	0.1
90°-120°	1183.1	21.5
90°-150°	3987.1	72.3
90°-180°	5512.0	99.9
0°-180°	5515.0	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°	2	14	25	32	37	7
95°	100	103	118	129	132	104
105°	350	358	367	376	381	374
115°	662	669	672	670	669	655
125°	967	976	978	974	973	866
135°	1257	1266	1268	1268	1262	969
145°	1523	1529	1534	1534	1529	952
155°	1743	1743	1744	1751	1743	803
165°	1895	1892	1894	1900	1890	535
175°	1970	1964	1964	1973	1963	187
180°	1975	1975	1975	1975	1975	

TEST NUMBER: P983462

CATALOG NUMBER: S125IW-B1560UB2750-4F0-XX-W2A-1_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°	1.5	13.8	24.6	32.3	36.9
92.5°	46.1	53.8	67.6	78.4	81.5
95°	99.9	103.0	118.3	129.1	132.2
97.5°	153.7	155.2	176.7	186.0	187.5
100°	215.2	215.2	235.1	249.0	252.1
102.5°	281.3	288.9	296.6	312.0	316.6
105°	350.4	358.1	367.3	376.5	381.2
107.5°	425.7	433.4	441.1	445.7	445.7
110°	504.1	511.8	516.4	521.0	519.5

TEST NUMBER: P983462

CATALOG NUMBER: S125IW-B1560UB2750-4F0-XX-W2A-1_3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	584.0	587.1	593.3	594.8	591.7
115°	662.4	668.6	671.6	670.1	668.6
117.5°	742.3	743.9	746.9	748.5	742.3
120°	816.1	823.8	825.3	825.3	819.2
122.5°	896.0	897.6	902.2	900.6	896.0
125°	966.7	975.9	977.5	974.4	972.9
127.5°	1045.1	1049.7	1051.3	1049.7	1046.6
130°	1114.3	1122.0	1125.0	1123.5	1120.4
132.5°	1183.4	1197.3	1195.7	1194.2	1189.6
135°	1257.2	1266.4	1268.0	1268.0	1261.8
137.5°	1326.4	1335.6	1338.7	1340.2	1332.5
140°	1392.5	1400.1	1404.8	1407.8	1400.1
142.5°	1458.5	1464.7	1470.8	1472.4	1464.7
145°	1523.1	1529.2	1533.9	1533.9	1529.2
147.5°	1583.0	1587.6	1590.7	1595.3	1583.0
150°	1643.0	1641.4	1647.6	1647.6	1644.5
152.5°	1692.2	1695.2	1696.8	1701.4	1695.2
155°	1742.9	1742.9	1744.4	1750.6	1742.9
157.5°	1789.0	1785.9	1787.4	1793.6	1782.8
160°	1828.9	1824.3	1825.9	1832.0	1824.3
162.5°	1864.3	1861.2	1861.2	1868.9	1859.7
165°	1895.0	1892.0	1893.5	1899.6	1890.4
167.5°	1922.7	1916.5	1916.5	1925.8	1916.5
170°	1944.2	1938.1	1938.1	1947.3	1936.5
172.5°	1959.6	1953.4	1953.4	1962.7	1953.4
175°	1970.3	1964.2	1964.2	1973.4	1962.7
177.5°	1978.0	1971.9	1970.3	1979.6	1968.8
180°	1974.9	1974.9	1974.9	1974.9	1974.9

(END OF REPORT)