

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: P983439

Luminaire Tested: S125IW-B1340UB27-4F0-XX-W2A

Issue Date: 5/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P983439
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-B1340UB27-4F0-XX-W2A
Description: Define 5 Indirect Wall Mount with 2700K BioUP LEDs {m-DER=0.473} {m-EER=0.52}
Light Source: -
Ballast/Driver: -

Summary

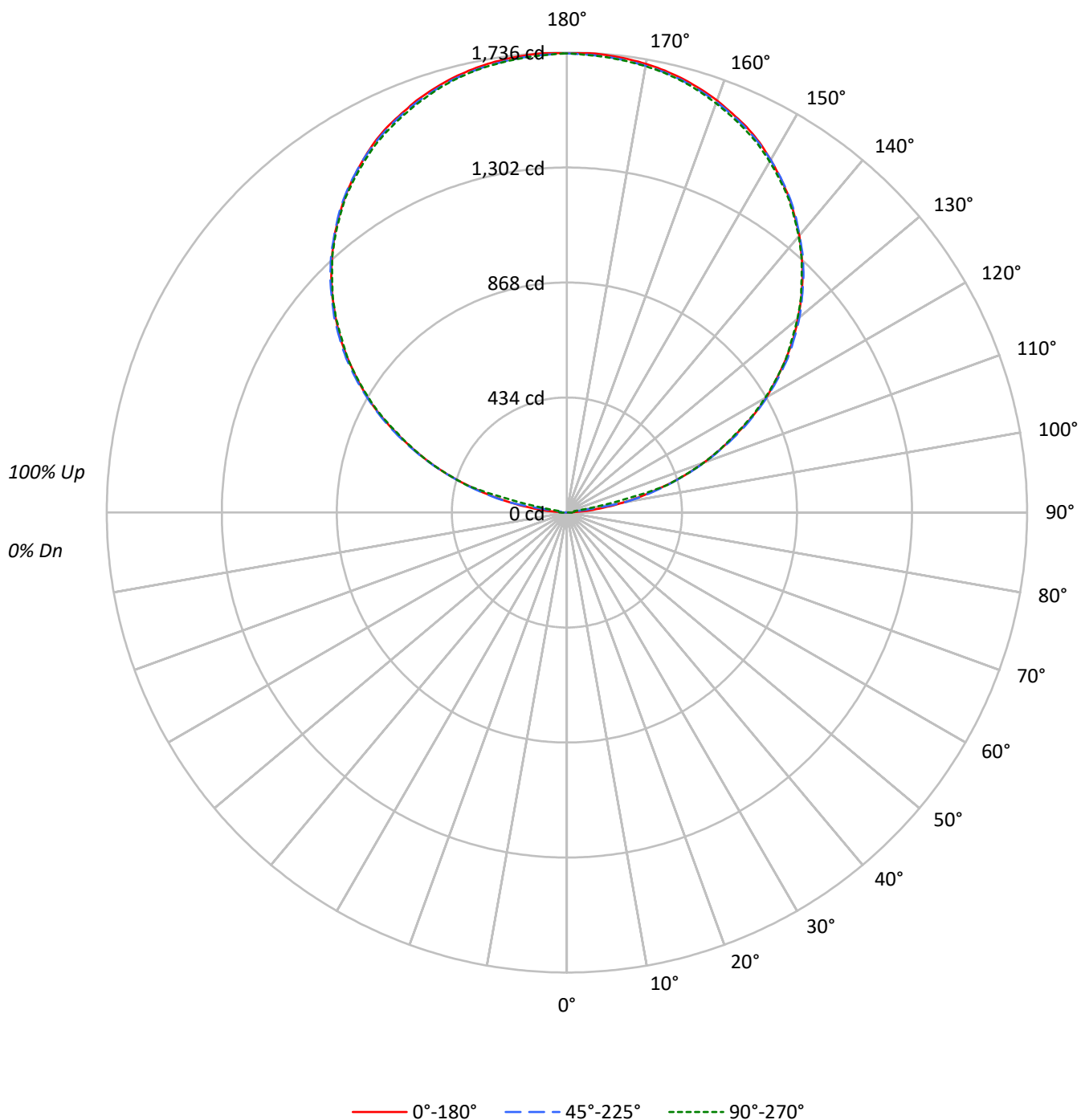
Lumens per Lamp: N/A
Luminaire Lumens: 5324.0 lumens
Efficiency: N/A
Efficacy: 126.5 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

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

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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	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

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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°	58.8	1.1
100°-110°	391.0	7.3
110°-120°	704.1	13.2
120°-130°	903.7	17.0
130°-140°	972.0	18.3
140°-150°	912.2	17.1
150°-160°	737.9	13.9
160°-170°	477.2	9.0
170°-180°	164.6	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°	1153.8	21.7
90°-150°	3941.7	74.0
90°-180°	5321.0	99.9
0°-180°	5324.0	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	20	27	31	4
95°	73	69	20	27	27	90
105°	378	383	383	383	381	400
115°	709	715	717	711	704	703
125°	1008	1017	1017	1012	1008	900
135°	1257	1265	1262	1260	1252	969
145°	1458	1460	1460	1461	1454	912
155°	1605	1598	1600	1604	1594	740
165°	1694	1686	1687	1695	1685	478
175°	1732	1725	1726	1736	1725	165
180°	1732	1732	1732	1732	1732	

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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	11.6	20.5	27.0	30.8
92.5°	24.4	12.8	20.5	27.0	28.3
95°	73.2	69.3	20.5	27.0	27.0
97.5°	137.4	145.1	23.1	25.7	27.0
100°	214.5	218.3	223.4	32.1	27.0
102.5°	292.8	297.9	300.5	303.1	195.2
105°	377.5	382.7	382.7	382.7	381.4
107.5°	464.9	464.9	467.4	468.7	463.6
110°	549.6	549.6	552.2	548.3	549.6

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	629.2	633.1	634.4	629.2	626.7
115°	708.9	715.3	716.6	711.4	703.7
117.5°	792.3	792.3	797.5	789.8	787.2
120°	869.4	868.1	872.0	869.4	863.0
122.5°	937.4	943.9	945.2	942.6	934.9
125°	1008.1	1017.1	1017.1	1011.9	1008.1
127.5°	1076.1	1082.6	1081.3	1078.7	1068.4
130°	1137.8	1144.2	1145.5	1141.6	1135.2
132.5°	1199.4	1207.1	1203.3	1203.3	1196.9
135°	1257.2	1264.9	1262.3	1259.8	1252.1
137.5°	1311.1	1318.9	1316.3	1316.3	1309.9
140°	1363.8	1366.4	1365.1	1367.6	1359.9
142.5°	1411.3	1412.6	1415.2	1415.2	1407.5
145°	1457.5	1460.1	1460.1	1461.4	1453.7
147.5°	1498.6	1498.6	1499.9	1501.2	1492.2
150°	1537.2	1534.6	1537.2	1539.7	1529.5
152.5°	1574.4	1568.0	1570.5	1573.1	1564.1
155°	1605.2	1597.5	1600.1	1603.9	1593.7
157.5°	1629.6	1625.8	1625.8	1629.6	1619.3
160°	1655.3	1647.6	1648.9	1654.0	1643.7
162.5°	1675.9	1668.1	1669.4	1677.1	1665.6
165°	1693.8	1686.1	1687.4	1695.1	1684.8
167.5°	1708.0	1700.3	1701.5	1710.5	1699.0
170°	1719.5	1710.5	1711.8	1722.1	1710.5
172.5°	1727.2	1718.2	1720.8	1729.8	1718.2
175°	1732.4	1724.7	1725.9	1736.2	1724.7
177.5°	1736.2	1728.5	1729.8	1738.8	1728.5
180°	1732.4	1732.4	1732.4	1732.4	1732.4

(END OF REPORT)