

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: P983443

Luminaire Tested: S125IW-B1340UB2750-4F0-XX-W2A-1_4000K

Issue Date: 5/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P983443
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-B1340UB2750-4F0-XX-W2A-1_4000K
Description: Define 5 Indirect Wall Mount with 4000K BioUP LEDs {m-DER=0.865} {m-EER=0.951}
Light Source: -
Ballast/Driver: -

Summary

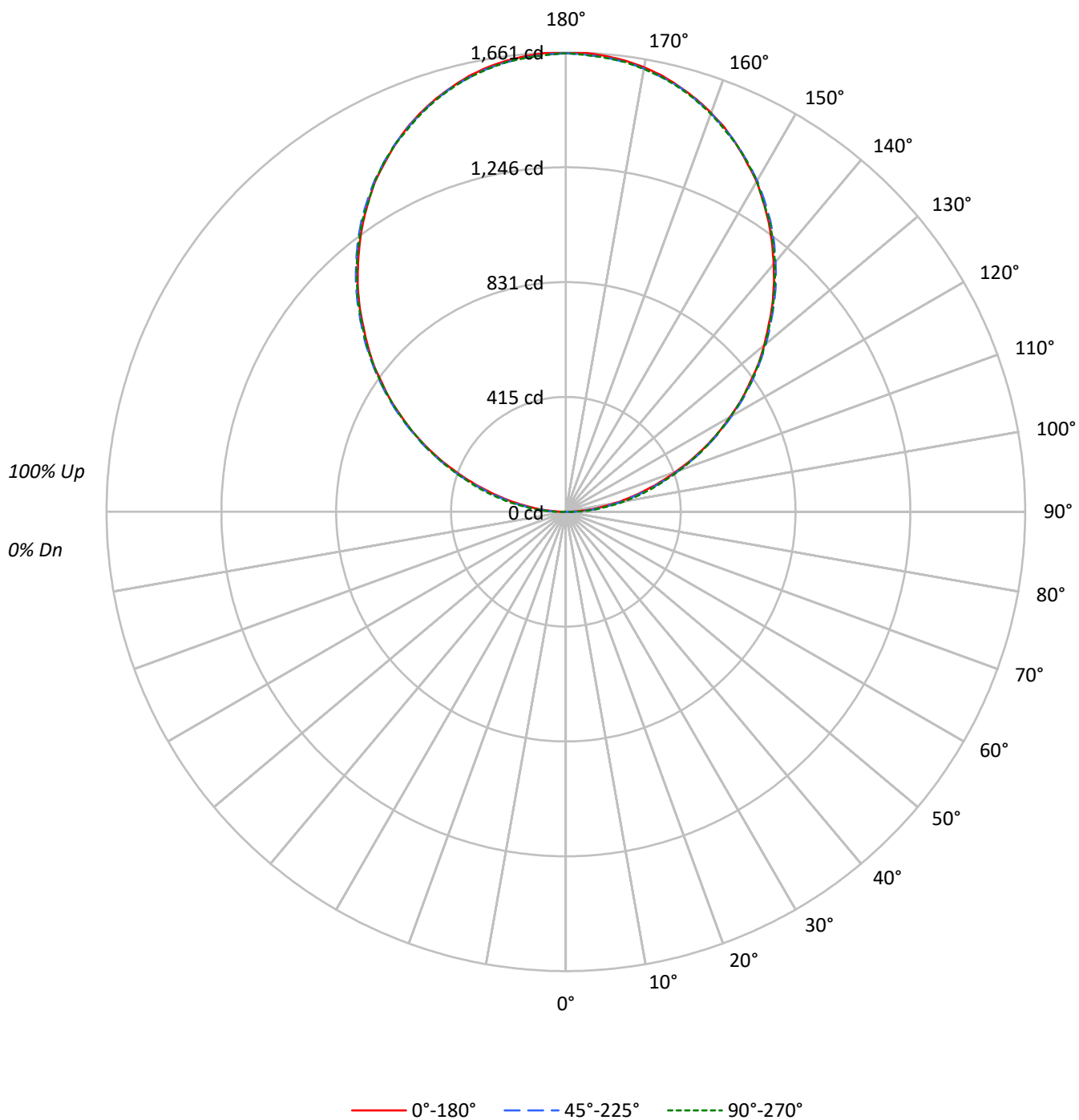
Lumens per Lamp: N/A
Luminaire Lumens: 4630.0 lumens
Efficiency: N/A
Efficacy: 110.0 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

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

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	0.1
90°-100°	110.3	2.4
100°-110°	327.5	7.1
110°-120°	555.5	12.0
120°-130°	731.3	15.8
130°-140°	819.5	17.7
140°-150°	803.2	17.3
150°-160°	674.7	14.6
160°-170°	448.5	9.7
170°-180°	157.0	3.4
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	2.6	0.1
90°-120°	993.3	21.5
90°-150°	3347.3	72.3
90°-180°	4627.0	99.9
0°-180°	4630.0	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	6
95°	84	86	99	108	111	88
105°	294	301	308	316	320	314
115°	556	561	564	563	561	550
125°	812	819	821	818	817	727
135°	1056	1063	1064	1064	1059	814
145°	1279	1284	1288	1288	1284	799
155°	1463	1463	1464	1470	1463	674
165°	1591	1588	1590	1595	1587	449
175°	1654	1649	1649	1657	1648	157
180°	1658	1658	1658	1658	1658	

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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	20.6	27.1	31.0
92.5°	38.7	45.2	56.8	65.8	68.4
95°	83.9	86.4	99.4	108.4	111.0
97.5°	129.0	130.3	148.4	156.1	157.4
100°	180.6	180.6	197.4	209.0	211.6
102.5°	236.1	242.6	249.0	261.9	265.8
105°	294.2	300.6	308.4	316.1	320.0
107.5°	357.4	363.9	370.3	374.2	374.2
110°	423.2	429.7	433.5	437.4	436.1

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	490.3	492.9	498.1	499.3	496.8
115°	556.1	561.3	563.9	562.6	561.3
117.5°	623.2	624.5	627.1	628.4	623.2
120°	685.1	691.6	692.9	692.9	687.7
122.5°	752.2	753.5	757.4	756.1	752.2
125°	811.6	819.3	820.6	818.0	816.8
127.5°	877.4	881.3	882.6	881.3	878.7
130°	935.5	941.9	944.5	943.2	940.6
132.5°	993.5	1005.1	1003.8	1002.6	998.7
135°	1055.5	1063.2	1064.5	1064.5	1059.3
137.5°	1113.5	1121.3	1123.8	1125.1	1118.7
140°	1169.0	1175.5	1179.3	1181.9	1175.5
142.5°	1224.5	1229.6	1234.8	1236.1	1229.6
145°	1278.7	1283.8	1287.7	1287.7	1283.8
147.5°	1329.0	1332.9	1335.5	1339.3	1329.0
150°	1379.3	1378.0	1383.2	1383.2	1380.6
152.5°	1420.6	1423.2	1424.5	1428.4	1423.2
155°	1463.2	1463.2	1464.5	1469.6	1463.2
157.5°	1501.9	1499.3	1500.6	1505.8	1496.7
160°	1535.4	1531.6	1532.9	1538.0	1531.6
162.5°	1565.1	1562.5	1562.5	1569.0	1561.3
165°	1590.9	1588.4	1589.6	1594.8	1587.1
167.5°	1614.2	1609.0	1609.0	1616.7	1609.0
170°	1632.2	1627.1	1627.1	1634.8	1625.8
172.5°	1645.1	1640.0	1640.0	1647.7	1640.0
175°	1654.2	1649.0	1649.0	1656.7	1647.7
177.5°	1660.6	1655.4	1654.2	1661.9	1652.9
180°	1658.0	1658.0	1658.0	1658.0	1658.0

(END OF REPORT)