

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: P983436

Luminaire Tested: S125IW-B1050UB50-4F0-XX-W2A-1

Issue Date: 5/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P983436
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-B1050UB50-4F0-XX-W2A-1
Description: Define 5 Indirect Wall Mount with 5000K BioUP LEDs {m-DER=1.015} {m-EER=1.115}
Light Source: -
Ballast/Driver: -

Summary

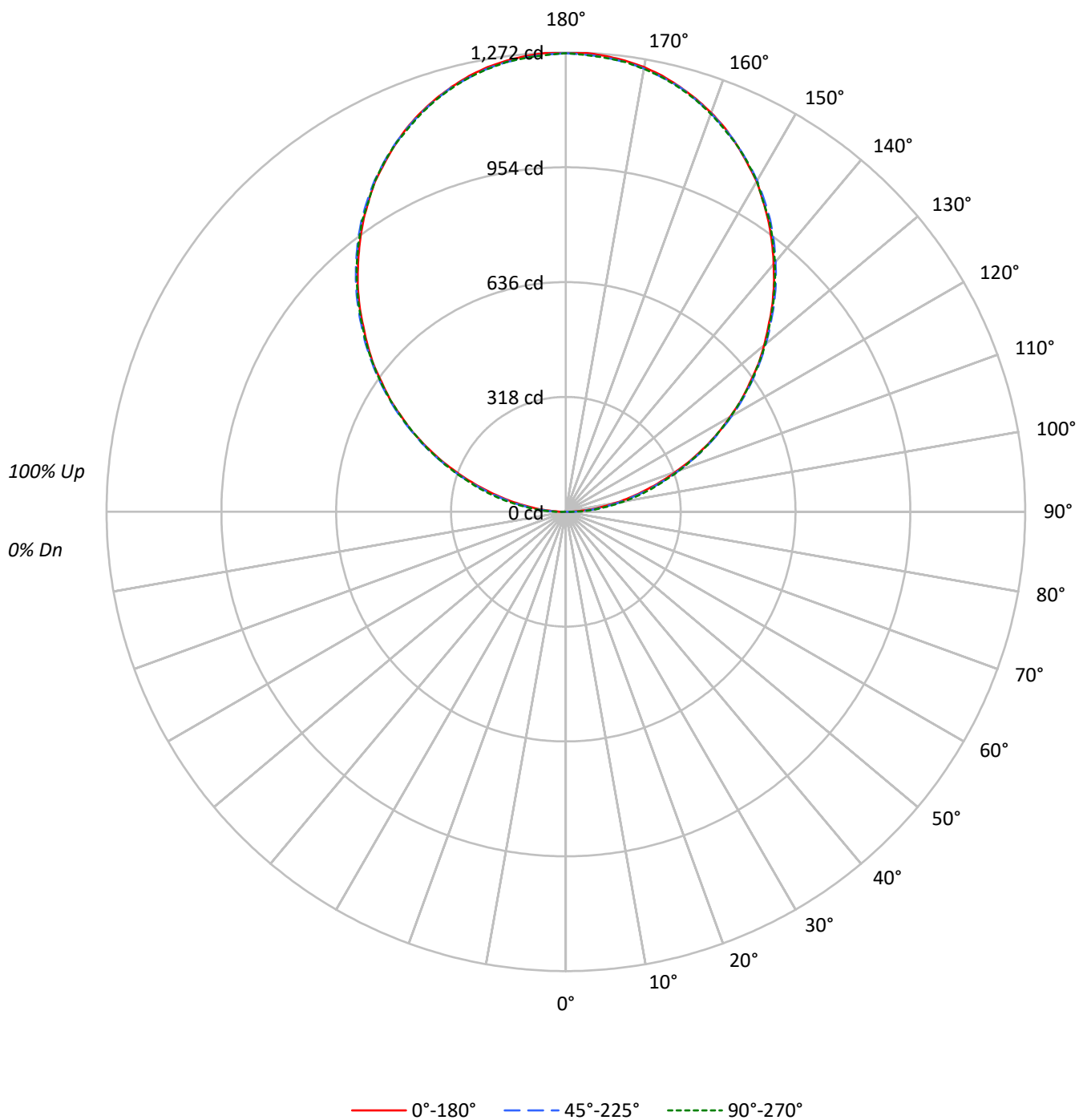
Lumens per Lamp: N/A
Luminaire Lumens: 3546.0 lumens
Efficiency: N/A
Efficacy: 112.6 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

Input Watts (W): 31.5
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°	2.0	0.1
90°-100°	84.4	2.4
100°-110°	250.9	7.1
110°-120°	425.4	12.0
120°-130°	560.1	15.8
130°-140°	627.6	17.7
140°-150°	615.2	17.3
150°-160°	516.7	14.6
160°-170°	343.5	9.7
170°-180°	120.2	3.4
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	2.0	0.1
90°-120°	760.7	21.5
90°-150°	2563.6	72.3
90°-180°	3544.0	99.9
0°-180°	3546.0	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	9	16	21	24	4
95°	64	66	76	83	85	67
105°	225	230	236	242	245	240
115°	426	430	432	431	430	421
125°	622	628	628	626	626	557
135°	808	814	815	815	811	623
145°	979	983	986	986	983	612
155°	1121	1121	1122	1126	1121	516
165°	1218	1216	1218	1221	1216	344
175°	1267	1263	1263	1269	1262	120
180°	1270	1270	1270	1270	1270	

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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°	1.0	8.9	15.8	20.8	23.7
92.5°	29.6	34.6	43.5	50.4	52.4
95°	64.2	66.2	76.1	83.0	85.0
97.5°	98.8	99.8	113.6	119.6	120.6
100°	138.3	138.3	151.2	160.1	162.1
102.5°	180.8	185.8	190.7	200.6	203.6
105°	225.3	230.3	236.2	242.1	245.1
107.5°	273.7	278.7	283.6	286.6	286.6
110°	324.1	329.1	332.0	335.0	334.0

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	375.5	377.5	381.4	382.4	380.5
115°	425.9	429.9	431.8	430.9	429.9
117.5°	477.3	478.3	480.3	481.3	477.3
120°	524.7	529.7	530.7	530.7	526.7
122.5°	576.1	577.1	580.1	579.1	576.1
125°	621.6	627.5	628.5	626.5	625.5
127.5°	672.0	674.9	675.9	674.9	673.0
130°	716.4	721.4	723.4	722.4	720.4
132.5°	760.9	769.8	768.8	767.8	764.9
135°	808.4	814.3	815.3	815.3	811.3
137.5°	852.8	858.7	860.7	861.7	856.8
140°	895.3	900.3	903.2	905.2	900.3
142.5°	937.8	941.8	945.7	946.7	941.8
145°	979.3	983.3	986.2	986.2	983.3
147.5°	1017.8	1020.8	1022.8	1025.8	1017.8
150°	1056.4	1055.4	1059.4	1059.4	1057.4
152.5°	1088.0	1090.0	1091.0	1093.9	1090.0
155°	1120.6	1120.6	1121.6	1125.6	1120.6
157.5°	1150.3	1148.3	1149.3	1153.2	1146.3
160°	1176.0	1173.0	1174.0	1177.9	1173.0
162.5°	1198.7	1196.7	1196.7	1201.7	1195.7
165°	1218.5	1216.5	1217.5	1221.4	1215.5
167.5°	1236.2	1232.3	1232.3	1238.2	1232.3
170°	1250.1	1246.1	1246.1	1252.1	1245.1
172.5°	1260.0	1256.0	1256.0	1261.9	1256.0
175°	1266.9	1262.9	1262.9	1268.9	1261.9
177.5°	1271.8	1267.9	1266.9	1272.8	1265.9
180°	1269.8	1269.8	1269.8	1269.8	1269.8

(END OF REPORT)