

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: P983434

Luminaire Tested: S125IW-B1050UB40-4F0-XX-W2A-1

Issue Date: 5/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P983434
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-B1050UB40-4F0-XX-W2A-1
Description: Define 5 Indirect Wall Mount with 4000K BioUP LEDs {m-DER=0.865} {m-EER=0.951}
Light Source: -
Ballast/Driver: -

Summary

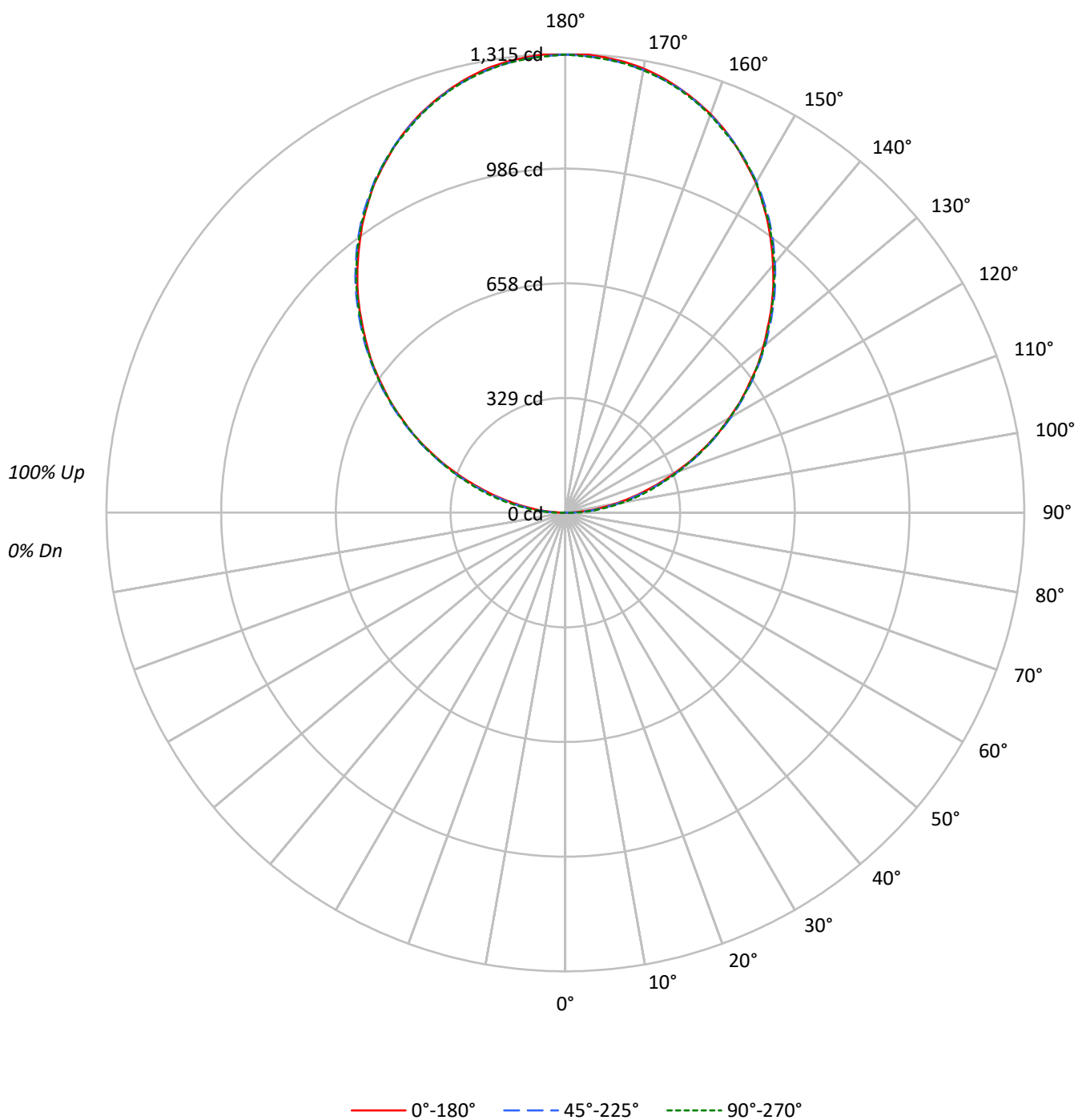
Lumens per Lamp: N/A
Luminaire Lumens: 3667.0 lumens
Efficiency: N/A
Efficacy: 116.4 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

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°	2.1	0.1
90°-100°	87.3	2.4
100°-110°	259.4	7.1
110°-120°	440.0	12.0
120°-130°	579.2	15.8
130°-140°	649.0	17.7
140°-150°	636.2	17.3
150°-160°	534.4	14.6
160°-170°	355.2	9.7
170°-180°	124.3	3.4
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	2.1	0.1
90°-120°	786.7	21.5
90°-150°	2651.1	72.3
90°-180°	3665.0	99.9
0°-180°	3667.0	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	22	24	4
95°	66	68	79	86	88	69
105°	233	238	244	250	253	248
115°	440	444	447	446	444	436
125°	643	649	650	648	647	576
135°	836	842	843	843	839	644
145°	1013	1017	1020	1020	1017	633
155°	1159	1159	1160	1164	1159	534
165°	1260	1258	1259	1263	1257	356
175°	1310	1306	1306	1312	1305	125
180°	1313	1313	1313	1313	1313	

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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	9.2	16.4	21.5	24.5
92.5°	30.7	35.8	45.0	52.1	54.2
95°	66.4	68.5	78.7	85.8	87.9
97.5°	102.2	103.2	117.5	123.7	124.7
100°	143.1	143.1	156.4	165.6	167.6
102.5°	187.0	192.1	197.2	207.5	210.5
105°	233.0	238.1	244.2	250.4	253.4
107.5°	283.1	288.2	293.3	296.4	296.4
110°	335.2	340.3	343.4	346.4	345.4

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	388.3	390.4	394.5	395.5	393.4
115°	440.4	444.5	446.6	445.6	444.5
117.5°	493.6	494.6	496.7	497.7	493.6
120°	542.6	547.8	548.8	548.8	544.7
122.5°	595.8	596.8	599.9	598.8	595.8
125°	642.8	648.9	649.9	647.9	646.9
127.5°	694.9	698.0	699.0	698.0	695.9
130°	740.9	746.0	748.0	747.0	745.0
132.5°	786.9	796.1	795.1	794.0	791.0
135°	835.9	842.1	843.1	843.1	839.0
137.5°	881.9	888.1	890.1	891.1	886.0
140°	925.9	931.0	934.0	936.1	931.0
142.5°	969.8	973.9	978.0	979.0	973.9
145°	1012.7	1016.8	1019.9	1019.9	1016.8
147.5°	1052.6	1055.6	1057.7	1060.8	1052.6
150°	1092.4	1091.4	1095.5	1095.5	1093.5
152.5°	1125.1	1127.2	1128.2	1131.3	1127.2
155°	1158.9	1158.9	1159.9	1164.0	1158.9
157.5°	1189.5	1187.5	1188.5	1192.6	1185.4
160°	1216.1	1213.0	1214.0	1218.1	1213.0
162.5°	1239.6	1237.5	1237.5	1242.7	1236.5
165°	1260.0	1258.0	1259.0	1263.1	1257.0
167.5°	1278.4	1274.3	1274.3	1280.5	1274.3
170°	1292.7	1288.6	1288.6	1294.8	1287.6
172.5°	1303.0	1298.9	1298.9	1305.0	1298.9
175°	1310.1	1306.0	1306.0	1312.1	1305.0
177.5°	1315.2	1311.1	1310.1	1316.2	1309.1
180°	1313.2	1313.2	1313.2	1313.2	1313.2

(END OF REPORT)