

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: P983430

Luminaire Tested: S125IW-B1050UB30-4F0-XX-W2A-1

Issue Date: 5/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P983430
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-B1050UB30-4F0-XX-W2A-1
Description: Define 5 Indirect Wall Mount with 3000K BioUP LEDs {m-DER=0.589} {m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

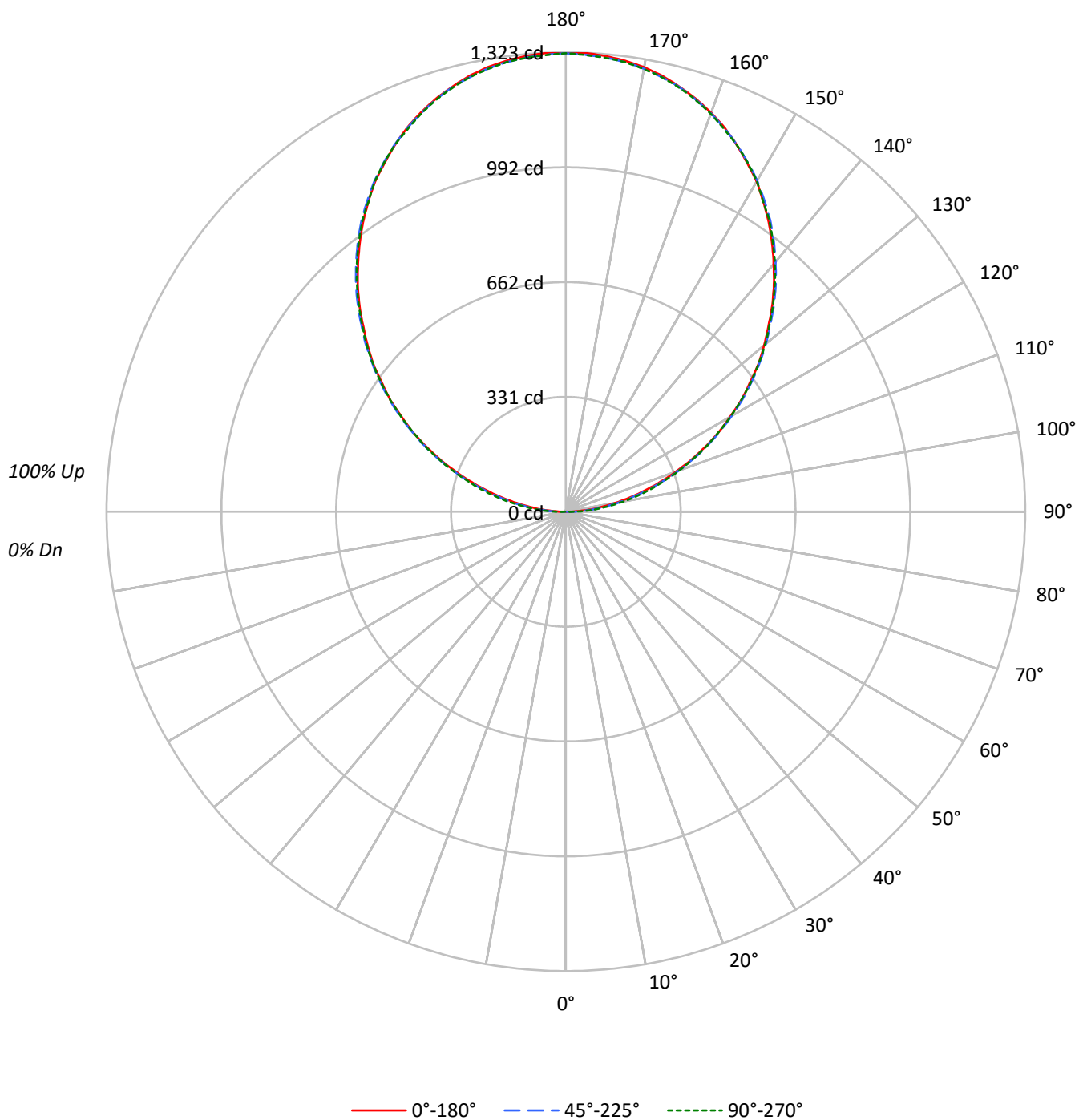
Lumens per Lamp: N/A
Luminaire Lumens: 3688.0 lumens
Efficiency: N/A
Efficacy: 117.1 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

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°	87.8	2.4
100°-110°	260.9	7.1
110°-120°	442.5	12.0
120°-130°	582.5	15.8
130°-140°	652.7	17.7
140°-150°	639.8	17.3
150°-160°	537.4	14.6
160°-170°	357.2	9.7
170°-180°	125.0	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°	791.2	21.5
90°-150°	2666.2	72.3
90°-180°	3686.0	99.9
0°-180°	3688.0	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	25	4
95°	67	69	79	86	88	70
105°	234	240	246	252	255	250
115°	443	447	449	448	447	438
125°	646	653	654	652	651	579
135°	841	847	848	848	844	648
145°	1018	1023	1026	1026	1023	637
155°	1166	1166	1166	1171	1166	537
165°	1267	1265	1266	1270	1264	358
175°	1318	1314	1314	1320	1312	125
180°	1321	1321	1321	1321	1321	

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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	21.6	24.7
92.5°	30.8	36.0	45.2	52.4	54.5
95°	66.8	68.9	79.1	86.3	88.4
97.5°	102.8	103.8	118.2	124.4	125.4
100°	143.9	143.9	157.2	166.5	168.6
102.5°	188.1	193.2	198.4	208.6	211.7
105°	234.3	239.5	245.6	251.8	254.9
107.5°	284.7	289.8	295.0	298.1	298.1
110°	337.1	342.2	345.3	348.4	347.4

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	390.6	392.6	396.7	397.7	395.7
115°	443.0	447.1	449.1	448.1	447.1
117.5°	496.4	497.4	499.5	500.5	496.4
120°	545.7	550.9	551.9	551.9	547.8
122.5°	599.2	600.2	603.3	602.3	599.2
125°	646.5	652.6	653.7	651.6	650.6
127.5°	698.9	702.0	703.0	702.0	699.9
130°	745.1	750.3	752.3	751.3	749.2
132.5°	791.4	800.6	799.6	798.6	795.5
135°	840.7	846.9	847.9	847.9	843.8
137.5°	887.0	893.1	895.2	896.2	891.1
140°	931.2	936.3	939.4	941.4	936.3
142.5°	975.4	979.5	983.6	984.6	979.5
145°	1018.5	1022.6	1025.7	1025.7	1022.6
147.5°	1058.6	1061.7	1063.7	1066.8	1058.6
150°	1098.7	1097.7	1101.8	1101.8	1099.7
152.5°	1131.6	1133.6	1134.7	1137.7	1133.6
155°	1165.5	1165.5	1166.5	1170.6	1165.5
157.5°	1196.3	1194.3	1195.3	1199.4	1192.2
160°	1223.1	1220.0	1221.0	1225.1	1220.0
162.5°	1246.7	1244.6	1244.6	1249.8	1243.6
165°	1267.2	1265.2	1266.2	1270.3	1264.2
167.5°	1285.7	1281.6	1281.6	1287.8	1281.6
170°	1300.1	1296.0	1296.0	1302.2	1295.0
172.5°	1310.4	1306.3	1306.3	1312.5	1306.3
175°	1317.6	1313.5	1313.5	1319.7	1312.5
177.5°	1322.7	1318.6	1317.6	1323.8	1316.6
180°	1320.7	1320.7	1320.7	1320.7	1320.7

(END OF REPORT)