

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: P983422

Luminaire Tested: S125IW-B1050UB2750-4F0-XX-W2A-1_3500K

Issue Date: 5/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P983422
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-B1050UB2750-4F0-XX-W2A-1_3500K
Description: Define 5 Indirect Wall Mount with 3500K BioUP LEDs {m-DER=0.721} {m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

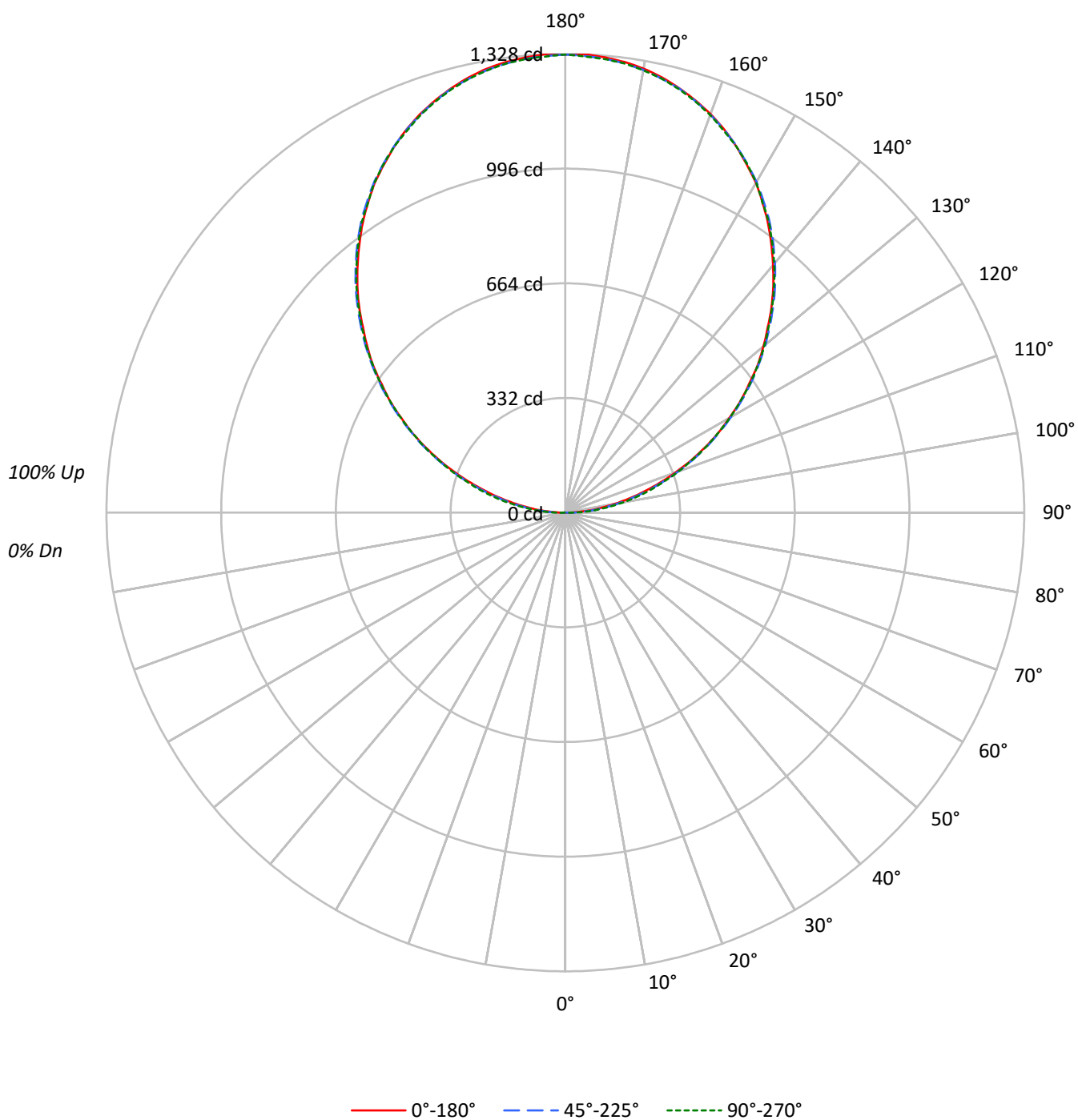
Lumens per Lamp: N/A
Luminaire Lumens: 3703.0 lumens
Efficiency: N/A
Efficacy: 117.6 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

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°	2.1	0.1
90°-100°	88.2	2.4
100°-110°	262.0	7.1
110°-120°	444.3	12.0
120°-130°	584.9	15.8
130°-140°	655.4	17.7
140°-150°	642.4	17.3
150°-160°	539.6	14.6
160°-170°	358.7	9.7
170°-180°	125.5	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°	794.4	21.5
90°-150°	2677.1	72.3
90°-180°	3701.0	99.9
0°-180°	3703.0	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	5
95°	67	69	80	87	89	70
105°	235	240	247	253	256	251
115°	445	449	451	450	449	440
125°	649	655	656	654	653	582
135°	844	850	851	851	847	651
145°	1023	1027	1030	1030	1027	639
155°	1170	1170	1171	1175	1170	539
165°	1272	1270	1271	1276	1269	359
175°	1323	1319	1319	1325	1318	126
180°	1326	1326	1326	1326	1326	

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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	9.3	16.5	21.7	24.8
92.5°	31.0	36.1	45.4	52.6	54.7
95°	67.1	69.1	79.5	86.7	88.7
97.5°	103.2	104.2	118.7	124.9	125.9
100°	144.5	144.5	157.9	167.2	169.2
102.5°	188.8	194.0	199.2	209.5	212.6
105°	235.3	240.4	246.6	252.8	255.9
107.5°	285.9	291.0	296.2	299.3	299.3
110°	338.5	343.6	346.7	349.8	348.8

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	392.1	394.2	398.3	399.4	397.3
115°	444.8	448.9	451.0	449.9	448.9
117.5°	498.4	499.5	501.5	502.6	498.4
120°	548.0	553.1	554.2	554.2	550.0
122.5°	601.6	602.7	605.8	604.7	601.6
125°	649.1	655.3	656.3	654.3	653.2
127.5°	701.7	704.8	705.9	704.8	702.8
130°	748.2	753.3	755.4	754.4	752.3
132.5°	794.6	803.9	802.9	801.8	798.7
135°	844.1	850.3	851.4	851.4	847.2
137.5°	890.6	896.8	898.8	899.9	894.7
140°	935.0	940.1	943.2	945.3	940.1
142.5°	979.3	983.5	987.6	988.6	983.5
145°	1022.7	1026.8	1029.9	1029.9	1026.8
147.5°	1062.9	1066.0	1068.1	1071.2	1062.9
150°	1103.2	1102.1	1106.3	1106.3	1104.2
152.5°	1136.2	1138.2	1139.3	1142.4	1138.2
155°	1170.2	1170.2	1171.3	1175.4	1170.2
157.5°	1201.2	1199.1	1200.2	1204.3	1197.1
160°	1228.0	1224.9	1226.0	1230.1	1224.9
162.5°	1251.8	1249.7	1249.7	1254.9	1248.7
165°	1272.4	1270.3	1271.4	1275.5	1269.3
167.5°	1291.0	1286.8	1286.8	1293.0	1286.8
170°	1305.4	1301.3	1301.3	1307.5	1300.3
172.5°	1315.7	1311.6	1311.6	1317.8	1311.6
175°	1323.0	1318.8	1318.8	1325.0	1317.8
177.5°	1328.1	1324.0	1323.0	1329.2	1321.9
180°	1326.1	1326.1	1326.1	1326.1	1326.1

(END OF REPORT)