

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: P983511

Luminaire Tested: S125IW-B770UB30-4F0-XX-W2A

Issue Date: 5/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P983511
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7)
Test Lab: INNOVATION CENTER
Issue Date: 5/2/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S125IW-B770UB30-4F0-XX-W2A
Description: Define 5 Indirect Wall Mount with 3000K BioUP LEDs {m-DER=0.589} {m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

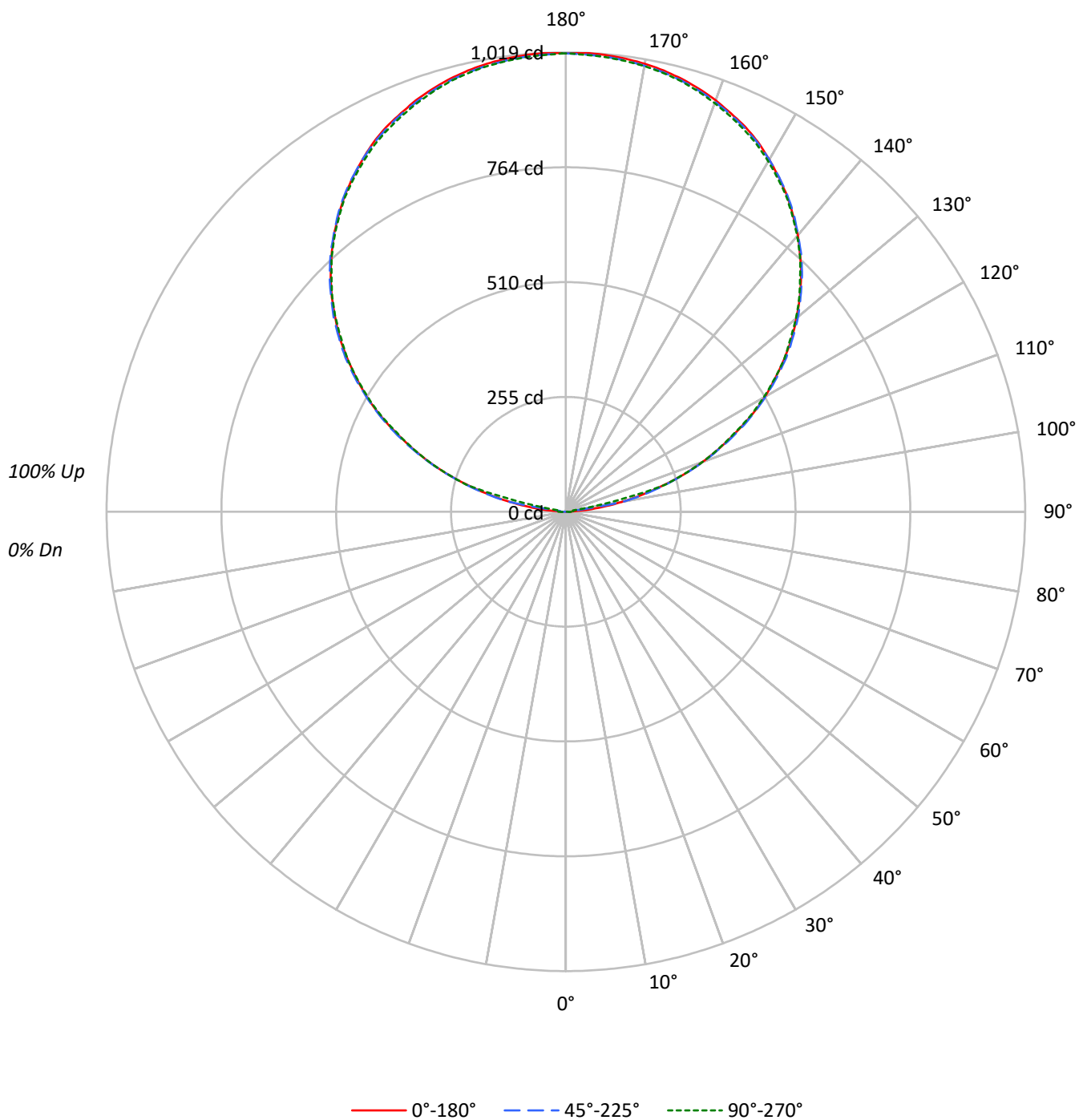
Lumens per Lamp: N/A
Luminaire Lumens: 3125.0 lumens
Efficiency: N/A
Efficacy: 134.7 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

Input Watts (W): 23.2
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°	1.5	0.0
90°-100°	34.5	1.1
100°-110°	229.5	7.3
110°-120°	413.3	13.2
120°-130°	530.4	17.0
130°-140°	570.5	18.3
140°-150°	535.5	17.1
150°-160°	433.1	13.9
160°-170°	280.1	9.0
170°-180°	96.6	3.1
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	1.5	0.0
90°-120°	677.3	21.7
90°-150°	2313.7	74.0
90°-180°	3124.0	100.0
0°-180°	3125.0	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	7	12	16	18	2
95°	43	41	12	16	16	53
105°	222	225	225	225	224	235
115°	416	420	421	418	413	412
125°	592	597	597	594	592	529
135°	738	742	741	739	735	569
145°	856	857	857	858	853	535
155°	942	938	939	942	935	434
165°	994	990	990	995	989	281
175°	1017	1012	1013	1019	1012	97
180°	1017	1017	1017	1017	1017	

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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°	0.8	6.8	12.1	15.8	18.1
92.5°	14.3	7.5	12.1	15.8	16.6
95°	43.0	40.7	12.1	15.8	15.8
97.5°	80.7	85.2	13.6	15.1	15.8
100°	125.9	128.1	131.2	18.8	15.8
102.5°	171.9	174.9	176.4	177.9	114.6
105°	221.6	224.6	224.6	224.6	223.9
107.5°	272.9	272.9	274.4	275.1	272.1
110°	322.6	322.6	324.1	321.9	322.6

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	369.3	371.6	372.4	369.3	367.8
115°	416.1	419.8	420.6	417.6	413.1
117.5°	465.1	465.1	468.1	463.6	462.1
120°	510.3	509.5	511.8	510.3	506.5
122.5°	550.2	554.0	554.8	553.3	548.7
125°	591.7	597.0	597.0	594.0	591.7
127.5°	631.7	635.4	634.7	633.2	627.1
130°	667.8	671.6	672.4	670.1	666.3
132.5°	704.0	708.5	706.3	706.3	702.5
135°	737.9	742.5	741.0	739.4	734.9
137.5°	769.6	774.1	772.6	772.6	768.8
140°	800.5	802.0	801.3	802.8	798.2
142.5°	828.4	829.1	830.7	830.7	826.1
145°	855.5	857.0	857.0	857.8	853.3
147.5°	879.6	879.6	880.4	881.2	875.9
150°	902.3	900.8	902.3	903.8	897.7
152.5°	924.1	920.3	921.9	923.4	918.1
155°	942.2	937.7	939.2	941.5	935.4
157.5°	956.5	954.3	954.3	956.5	950.5
160°	971.6	967.1	967.8	970.9	964.8
162.5°	983.7	979.1	979.9	984.4	977.6
165°	994.2	989.7	990.4	995.0	988.9
167.5°	1002.5	998.0	998.7	1004.0	997.2
170°	1009.3	1004.0	1004.8	1010.8	1004.0
172.5°	1013.8	1008.5	1010.0	1015.3	1008.5
175°	1016.8	1012.3	1013.1	1019.1	1012.3
177.5°	1019.1	1014.6	1015.3	1020.6	1014.6
180°	1016.8	1016.8	1016.8	1016.8	1016.8

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