

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: P983481

Luminaire Tested: S125IW-B470UB2750-4F0-XX-W2A-1_3000K

Issue Date: 5/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P983481
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-B470UB2750-4F0-XX-W2A-1_3000K
Description: Define 5 Indirect Wall Mount with 3000K BioUP LEDs {m-DER=0.589} {m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

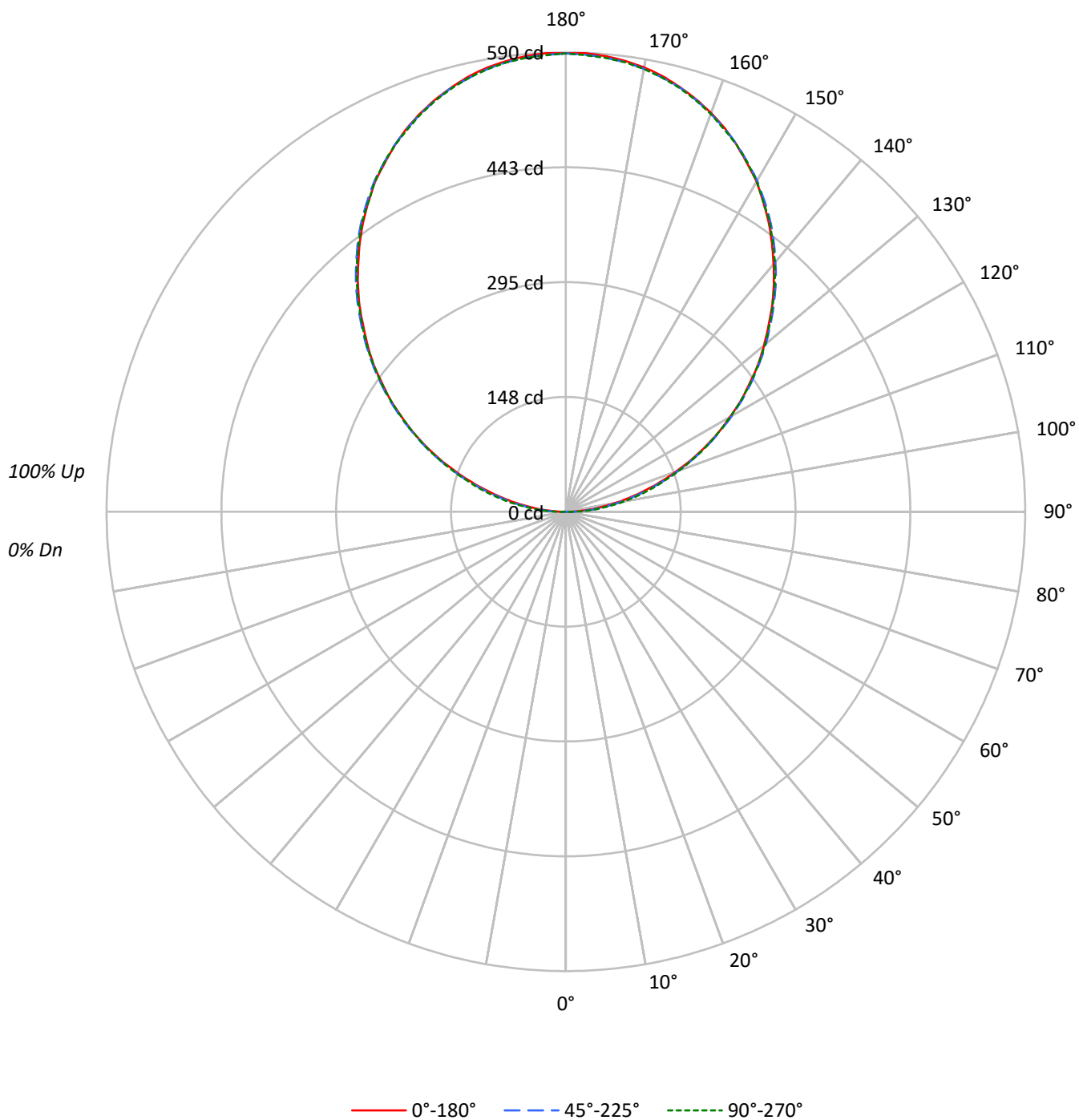
Lumens per Lamp: N/A
Luminaire Lumens: 1644.0 lumens
Efficiency: N/A
Efficacy: 124.5 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

Input Watts (W): 13.2
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				20
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	95	95	95	95	81	81	81	81	56	56	56	32	32	32	10	10	10	10	10	10	0
1	87	83	79	76	74	71	68	65	48	47	45	28	27	26	9	9	8	8	8	8	0
2	79	72	66	62	67	62	57	53	42	40	37	24	23	22	8	7	7	7	7	7	0
3	72	63	56	51	61	54	49	44	37	34	31	21	20	18	7	6	6	6	6	6	0
4	65	56	48	43	56	48	42	37	33	29	26	19	17	16	6	6	5	5	5	5	0
5	60	49	42	36	51	42	36	32	29	25	22	17	15	13	5	5	4	4	4	4	0
6	55	44	36	31	47	38	32	27	26	22	19	15	13	11	5	4	4	4	4	4	0
7	50	39	32	27	43	34	28	23	23	19	17	14	11	10	4	4	3	3	3	3	0
8	47	35	28	23	40	30	24	20	21	17	14	12	10	9	4	3	3	3	3	3	0
9	43	32	25	20	37	27	22	18	19	15	13	11	9	8	4	3	3	3	3	3	0
10	40	29	22	18	34	25	19	16	17	14	11	10	8	7	3	3	2	2	2	2	0

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°	0.9	0.1
90°-100°	39.1	2.4
100°-110°	116.3	7.1
110°-120°	197.2	12.0
120°-130°	259.7	15.8
130°-140°	291.0	17.7
140°-150°	285.2	17.3
150°-160°	239.6	14.6
160°-170°	159.2	9.7
170°-180°	55.7	3.4
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	0.9	0.1
90°-120°	352.7	21.5
90°-150°	1188.5	72.3
90°-180°	1643.0	99.9
0°-180°	1644.0	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°	0	4	7	10	11	2
95°	30	31	35	38	39	31
105°	104	107	110	112	114	111
115°	198	199	200	200	199	195
125°	288	291	291	290	290	258
135°	375	378	378	378	376	289
145°	454	456	457	457	456	284
155°	520	520	520	522	520	239
165°	565	564	564	566	564	159
175°	587	586	586	588	585	56
180°	589	589	589	589	589	

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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°	0.5	4.1	7.3	9.6	11.0
92.5°	13.7	16.0	20.2	23.4	24.3
95°	29.8	30.7	35.3	38.5	39.4
97.5°	45.8	46.3	52.7	55.4	55.9
100°	64.1	64.1	70.1	74.2	75.1
102.5°	83.8	86.1	88.4	93.0	94.4
105°	104.5	106.7	109.5	112.2	113.6
107.5°	126.9	129.2	131.5	132.9	132.9
110°	150.3	152.6	153.9	155.3	154.9

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	174.1	175.0	176.8	177.3	176.4
115°	197.5	199.3	200.2	199.8	199.3
117.5°	221.3	221.7	222.7	223.1	221.3
120°	243.3	245.6	246.0	246.0	244.2
122.5°	267.1	267.6	268.9	268.5	267.1
125°	288.2	290.9	291.4	290.5	290.0
127.5°	311.5	312.9	313.4	312.9	312.0
130°	332.2	334.5	335.4	334.9	334.0
132.5°	352.8	356.9	356.4	356.0	354.6
135°	374.8	377.5	378.0	378.0	376.1
137.5°	395.4	398.1	399.1	399.5	397.2
140°	415.1	417.4	418.8	419.7	417.4
142.5°	434.8	436.6	438.5	438.9	436.6
145°	454.0	455.9	457.2	457.2	455.9
147.5°	471.9	473.3	474.2	475.6	471.9
150°	489.8	489.3	491.1	491.1	490.2
152.5°	504.4	505.3	505.8	507.2	505.3
155°	519.5	519.5	520.0	521.8	519.5
157.5°	533.3	532.4	532.8	534.7	531.5
160°	545.2	543.8	544.3	546.1	543.8
162.5°	555.7	554.8	554.8	557.1	554.4
165°	564.9	564.0	564.4	566.3	563.5
167.5°	573.1	571.3	571.3	574.1	571.3
170°	579.6	577.7	577.7	580.5	577.3
172.5°	584.1	582.3	582.3	585.1	582.3
175°	587.4	585.5	585.5	588.3	585.1
177.5°	589.6	587.8	587.4	590.1	586.9
180°	588.7	588.7	588.7	588.7	588.7

(END OF REPORT)