

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: P1007859

Luminaire Tested: S125IP-B610UB27-4F0-XX-W2A-1

Issue Date: 5/5/2025

Test Information

Test Method: LM-79-2019
Report Number: P1007859
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11)
Test Lab: INNOVATION CENTER
Issue Date: 5/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S125IP-B610UB27-4F0-XX-W2A-1
Description: Define 5 Indirect Pendant with 2700K BioUP LEDs {m-DER=0.473} {m-EER=0.52}
Light Source: -
Ballast/Driver: -

Summary

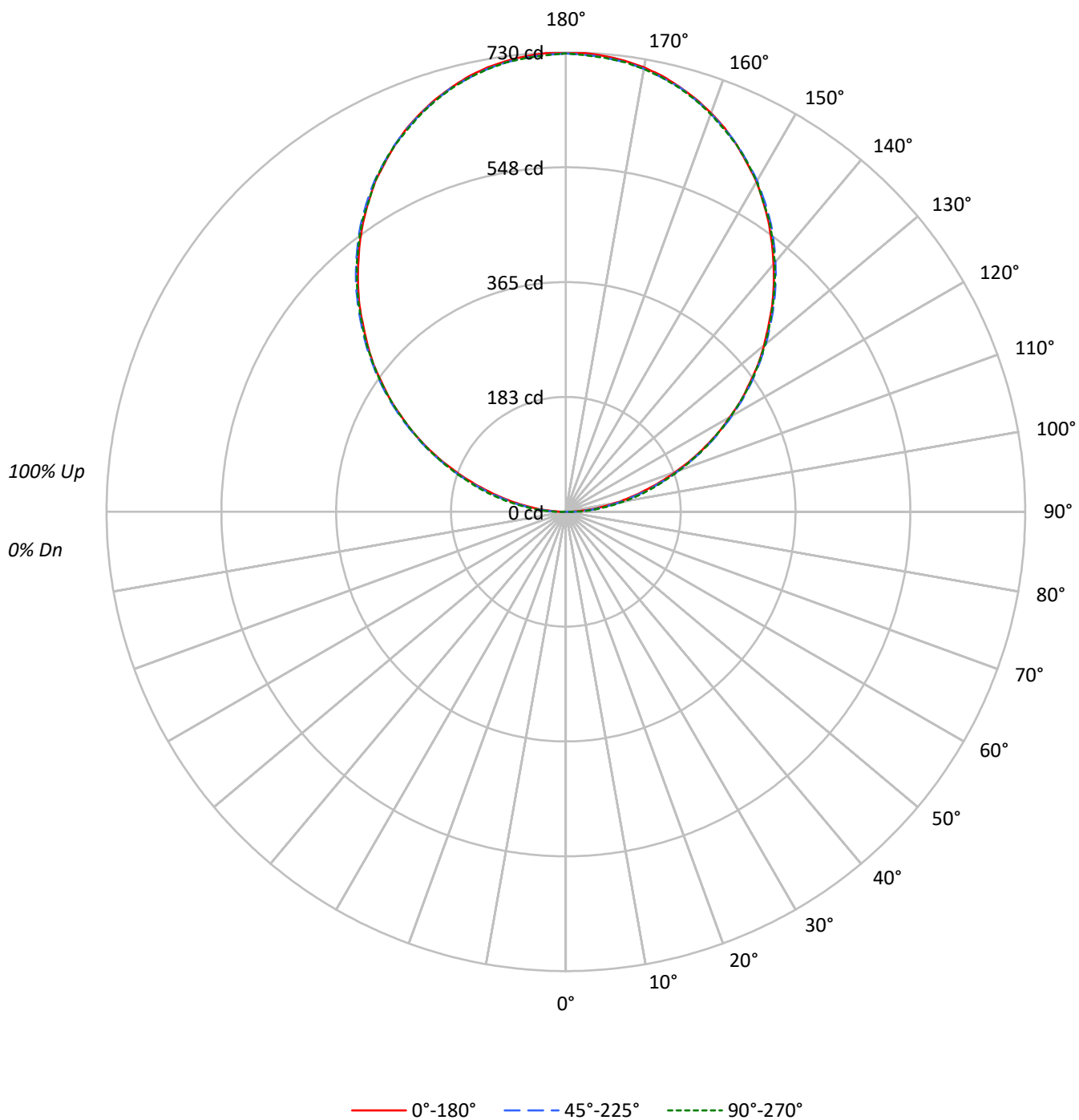
Lumens per Lamp: N/A
Luminaire Lumens: 2034.0 lumens
Efficiency: N/A
Efficacy: 132.1 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

Input Watts (W): 15.4
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°	1.1	0.1
90°-100°	48.4	2.4
100°-110°	143.9	7.1
110°-120°	244.0	12.0
120°-130°	321.3	15.8
130°-140°	360.0	17.7
140°-150°	352.9	17.3
150°-160°	296.4	14.6
160°-170°	197.0	9.7
170°-180°	69.0	3.4
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	1.1	0.1
90°-120°	436.4	21.5
90°-150°	1470.5	72.3
90°-180°	2033.0	100.0
0°-180°	2034.0	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	5	9	12	14	2
95°	37	38	44	48	49	39
105°	129	132	136	139	141	138
115°	244	247	248	247	247	242
125°	356	360	360	359	359	319
135°	464	467	468	468	465	357
145°	562	564	566	566	564	351
155°	643	643	643	646	643	296
165°	699	698	698	701	697	197
175°	727	724	724	728	724	69
180°	728	728	728	728	728	

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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°	0.6	5.1	9.1	11.9	13.6
92.5°	17.0	19.8	24.9	28.9	30.0
95°	36.8	38.0	43.6	47.6	48.7
97.5°	56.7	57.3	65.2	68.6	69.2
100°	79.4	79.4	86.7	91.8	93.0
102.5°	103.7	106.6	109.4	115.1	116.8
105°	129.2	132.1	135.5	138.9	140.6
107.5°	157.0	159.8	162.7	164.4	164.4
110°	185.9	188.8	190.5	192.2	191.6

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	215.4	216.5	218.8	219.4	218.2
115°	244.3	246.6	247.7	247.1	246.6
117.5°	273.8	274.3	275.5	276.0	273.8
120°	301.0	303.8	304.4	304.4	302.1
122.5°	330.5	331.0	332.7	332.2	330.5
125°	356.5	359.9	360.5	359.4	358.8
127.5°	385.4	387.1	387.7	387.1	386.0
130°	411.0	413.8	414.9	414.4	413.2
132.5°	436.5	441.6	441.0	440.4	438.7
135°	463.7	467.1	467.6	467.6	465.4
137.5°	489.2	492.6	493.7	494.3	491.4
140°	513.6	516.4	518.1	519.2	516.4
142.5°	537.9	540.2	542.5	543.0	540.2
145°	561.7	564.0	565.7	565.7	564.0
147.5°	583.8	585.5	586.7	588.4	583.8
150°	605.9	605.4	607.6	607.6	606.5
152.5°	624.1	625.2	625.8	627.5	625.2
155°	642.8	642.8	643.4	645.6	642.8
157.5°	659.8	658.7	659.2	661.5	657.5
160°	674.5	672.8	673.4	675.7	672.8
162.5°	687.6	686.4	686.4	689.3	685.9
165°	698.9	697.8	698.3	700.6	697.2
167.5°	709.1	706.8	706.8	710.2	706.8
170°	717.0	714.8	714.8	718.2	714.2
172.5°	722.7	720.5	720.5	723.9	720.5
175°	726.7	724.4	724.4	727.8	723.9
177.5°	729.5	727.3	726.7	730.1	726.1
180°	728.4	728.4	728.4	728.4	728.4

(END OF REPORT)