

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: P1007863

Luminaire Tested: S125IP-B610UB2750-4F0-XX-W2A-1_3000K

Issue Date: 5/5/2025

Test Information

Test Method: LM-79-2019
Report Number: P1007863
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-B610UB2750-4F0-XX-W2A-1_3000K
Description: Define 5 Indirect Pendant with 3000K BioUP LEDs {m-DER=0.589} {m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

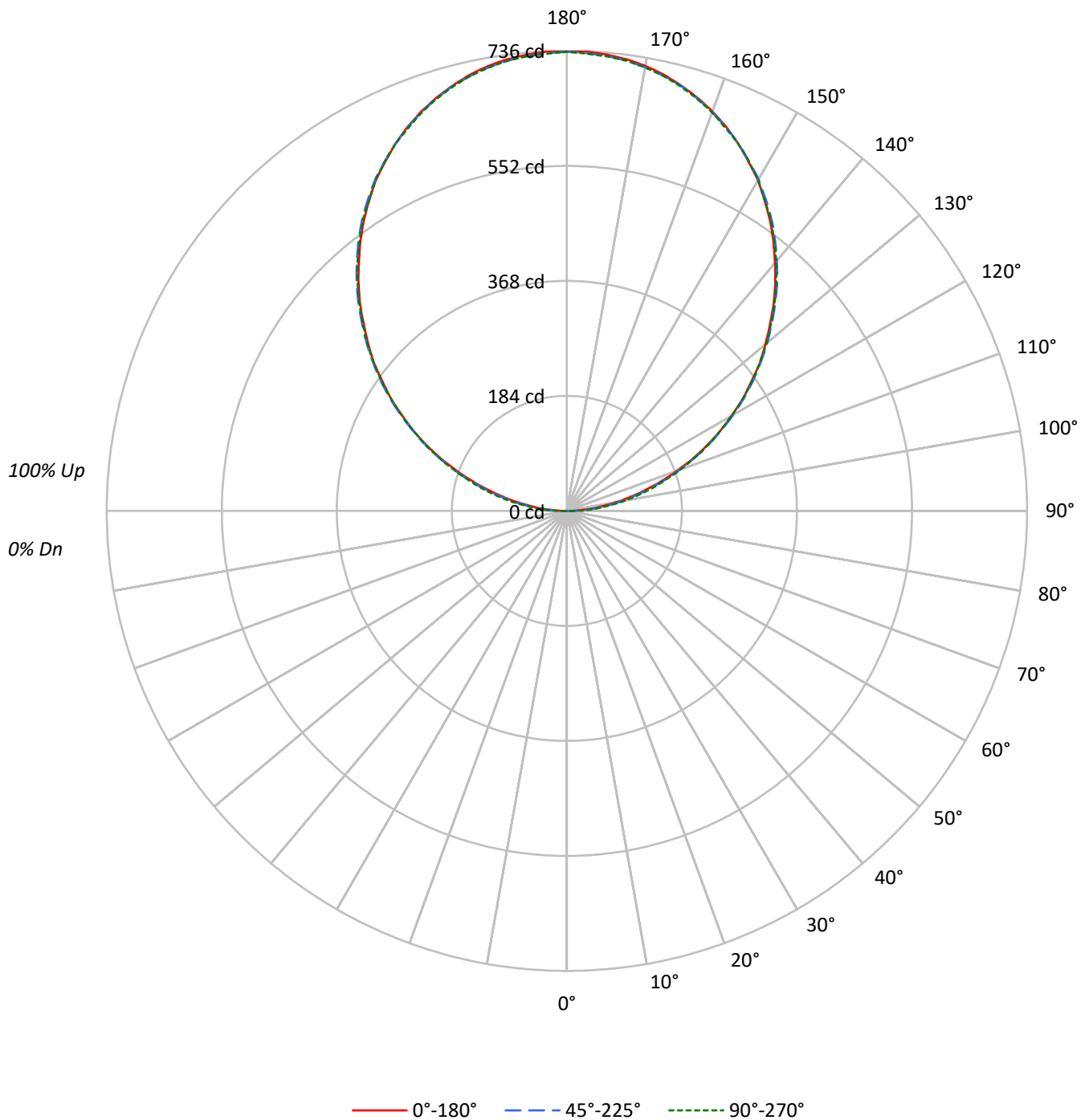
Lumens per Lamp: N/A
Luminaire Lumens: 2051.0 lumens
Efficiency: N/A
Efficacy: 133.2 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

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				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°	1.1	0.1
90°-100°	48.8	2.4
100°-110°	145.1	7.1
110°-120°	246.1	12.0
120°-130°	323.9	15.8
130°-140°	363.0	17.7
140°-150°	355.8	17.3
150°-160°	298.9	14.6
160°-170°	198.7	9.7
170°-180°	69.5	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°	440.0	21.5
90°-150°	1482.8	72.3
90°-180°	2050.0	100.0
0°-180°	2051.0	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	3
95°	37	38	44	48	49	39
105°	130	133	137	140	142	139
115°	246	249	250	249	249	244
125°	360	363	364	362	362	322
135°	468	471	472	472	469	360
145°	566	569	570	570	569	354
155°	648	648	649	651	648	299
165°	705	704	704	706	703	199
175°	733	730	730	734	730	70
180°	734	734	734	734	734	

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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	12.0	13.7
92.5°	17.1	20.0	25.1	29.2	30.3
95°	37.2	38.3	44.0	48.0	49.2
97.5°	57.2	57.7	65.7	69.2	69.7
100°	80.0	80.0	87.5	92.6	93.7
102.5°	104.6	107.5	110.3	116.0	117.7
105°	130.3	133.2	136.6	140.0	141.8
107.5°	158.3	161.2	164.0	165.8	165.8
110°	187.5	190.3	192.0	193.8	193.2

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	217.2	218.3	220.6	221.2	220.1
115°	246.3	248.6	249.8	249.2	248.6
117.5°	276.1	276.6	277.8	278.4	276.1
120°	303.5	306.4	306.9	306.9	304.6
122.5°	333.2	333.8	335.5	334.9	333.2
125°	359.5	363.0	363.5	362.4	361.8
127.5°	388.7	390.4	391.0	390.4	389.2
130°	414.4	417.2	418.4	417.8	416.7
132.5°	440.1	445.3	444.7	444.1	442.4
135°	467.5	471.0	471.5	471.5	469.3
137.5°	493.3	496.7	497.8	498.4	495.6
140°	517.8	520.7	522.4	523.6	520.7
142.5°	542.4	544.7	547.0	547.6	544.7
145°	566.4	568.7	570.4	570.4	568.7
147.5°	588.7	590.4	591.6	593.3	588.7
150°	611.0	610.4	612.7	612.7	611.6
152.5°	629.3	630.4	631.0	632.7	630.4
155°	648.2	648.2	648.7	651.0	648.2
157.5°	665.3	664.2	664.7	667.0	663.0
160°	680.2	678.5	679.0	681.3	678.5
162.5°	693.3	692.2	692.2	695.0	691.6
165°	704.8	703.6	704.2	706.5	703.0
167.5°	715.0	712.8	712.8	716.2	712.8
170°	723.0	720.8	720.8	724.2	720.2
172.5°	728.8	726.5	726.5	729.9	726.5
175°	732.8	730.5	730.5	733.9	729.9
177.5°	735.6	733.3	732.8	736.2	732.2
180°	734.5	734.5	734.5	734.5	734.5

(END OF REPORT)