

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: P1007864

Luminaire Tested: S125IP-B610UB2750-4F0-XX-W2A-1_3500K

Issue Date: 5/5/2025

Test Information

Test Method: LM-79-2019
Report Number: P1007864
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_3500K
Description: Define 5 Indirect Pendant with 3500K BioUP LEDs {m-DER=0.721} {m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

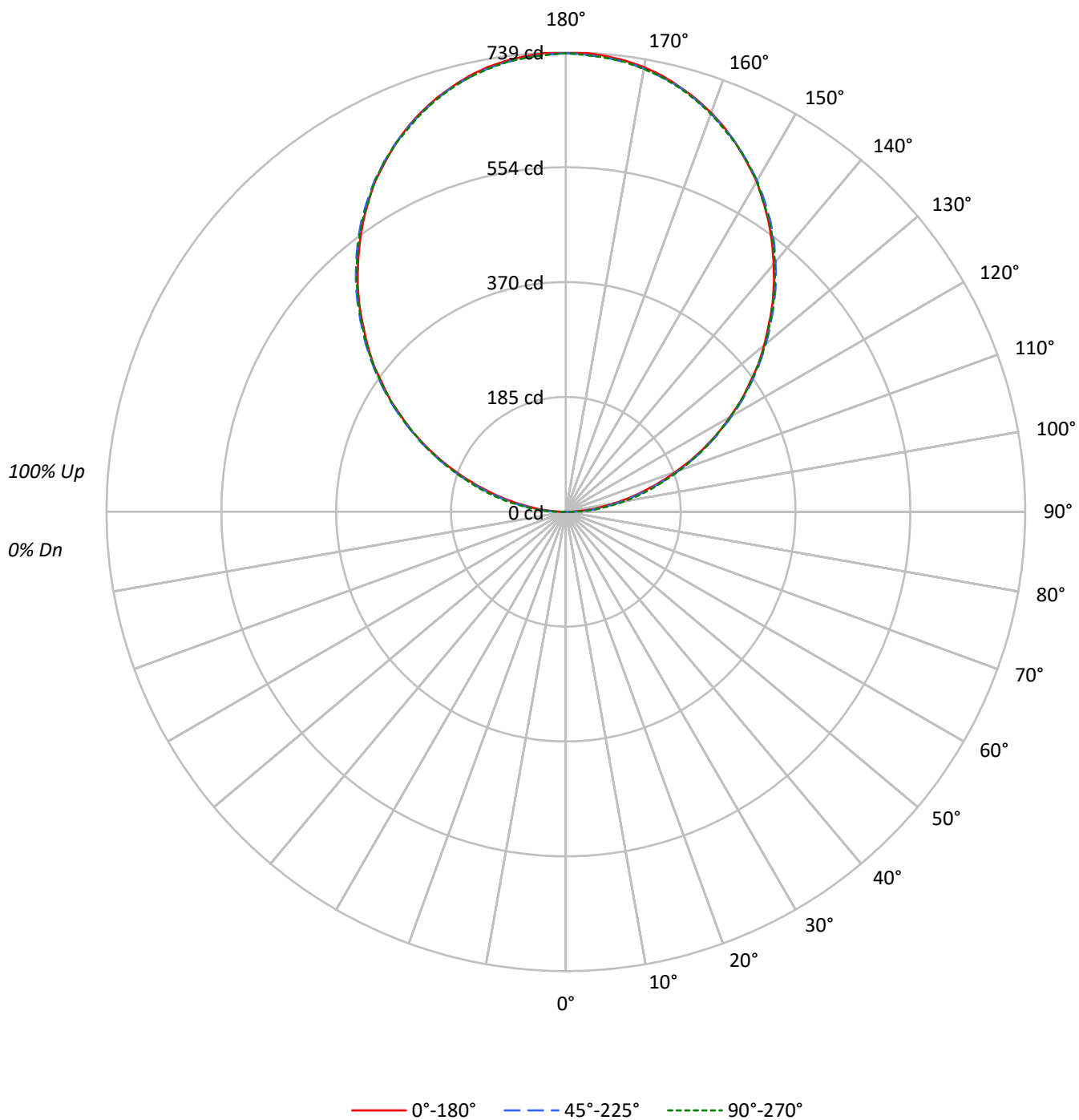
Lumens per Lamp: N/A
Luminaire Lumens: 2060.0 lumens
Efficiency: N/A
Efficacy: 133.8 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

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°	1.2	0.1
90°-100°	49.1	2.4
100°-110°	145.7	7.1
110°-120°	247.2	12.0
120°-130°	325.4	15.8
130°-140°	364.6	17.7
140°-150°	357.4	17.3
150°-160°	300.2	14.6
160°-170°	199.5	9.7
170°-180°	69.8	3.4
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	1.2	0.1
90°-120°	442.0	21.5
90°-150°	1489.3	72.3
90°-180°	2059.0	100.0
0°-180°	2060.0	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°	131	134	137	141	142	140
115°	247	250	251	250	250	245
125°	361	364	365	364	363	324
135°	470	473	474	474	471	362
145°	569	571	573	573	571	356
155°	651	651	652	654	651	300
165°	708	707	707	710	706	200
175°	736	734	734	737	733	70
180°	738	738	738	738	738	

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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	5.2	9.2	12.1	13.8
92.5°	17.2	20.1	25.3	29.3	30.4
95°	37.3	38.5	44.2	48.2	49.4
97.5°	57.4	58.0	66.0	69.5	70.0
100°	80.4	80.4	87.8	93.0	94.1
102.5°	105.1	107.9	110.8	116.5	118.3
105°	130.9	133.8	137.2	140.7	142.4
107.5°	159.0	161.9	164.8	166.5	166.5
110°	188.3	191.2	192.9	194.6	194.0

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	218.2	219.3	221.6	222.2	221.0
115°	247.4	249.7	250.9	250.3	249.7
117.5°	277.3	277.9	279.0	279.6	277.3
120°	304.8	307.7	308.3	308.3	306.0
122.5°	334.7	335.3	337.0	336.4	334.7
125°	361.1	364.5	365.1	364.0	363.4
127.5°	390.4	392.1	392.7	392.1	391.0
130°	416.2	419.1	420.2	419.7	418.5
132.5°	442.0	447.2	446.6	446.1	444.3
135°	469.6	473.0	473.6	473.6	471.3
137.5°	495.4	498.9	500.0	500.6	497.7
140°	520.1	523.0	524.7	525.9	523.0
142.5°	544.8	547.1	549.4	550.0	547.1
145°	568.9	571.2	572.9	572.9	571.2
147.5°	591.3	593.0	594.2	595.9	591.3
150°	613.7	613.1	615.4	615.4	614.3
152.5°	632.1	633.2	633.8	635.5	633.2
155°	651.0	651.0	651.6	653.9	651.0
157.5°	668.2	667.1	667.7	670.0	665.9
160°	683.2	681.4	682.0	684.3	681.4
162.5°	696.4	695.2	695.2	698.1	694.6
165°	707.8	706.7	707.3	709.6	706.1
167.5°	718.2	715.9	715.9	719.3	715.9
170°	726.2	723.9	723.9	727.4	723.3
172.5°	732.0	729.7	729.7	733.1	729.7
175°	736.0	733.7	733.7	737.1	733.1
177.5°	738.8	736.5	736.0	739.4	735.4
180°	737.7	737.7	737.7	737.7	737.7

(END OF REPORT)