

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: P1007876

Luminaire Tested: S125IP-B610UB2750-4F0-XX-W2A_5000K

Issue Date: 5/5/2025

Test Information

Test Method: LM-79-2019
Report Number: P1007876
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7)
Test Lab: INNOVATION CENTER
Issue Date: 5/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S125IP-B610UB2750-4F0-XX-W2A_5000K
Description: Define 5 Indirect Pendant with 5000K BioUP LEDs {m-DER=1.015} {m-EER=1.115}
Light Source: -
Ballast/Driver: -

Summary

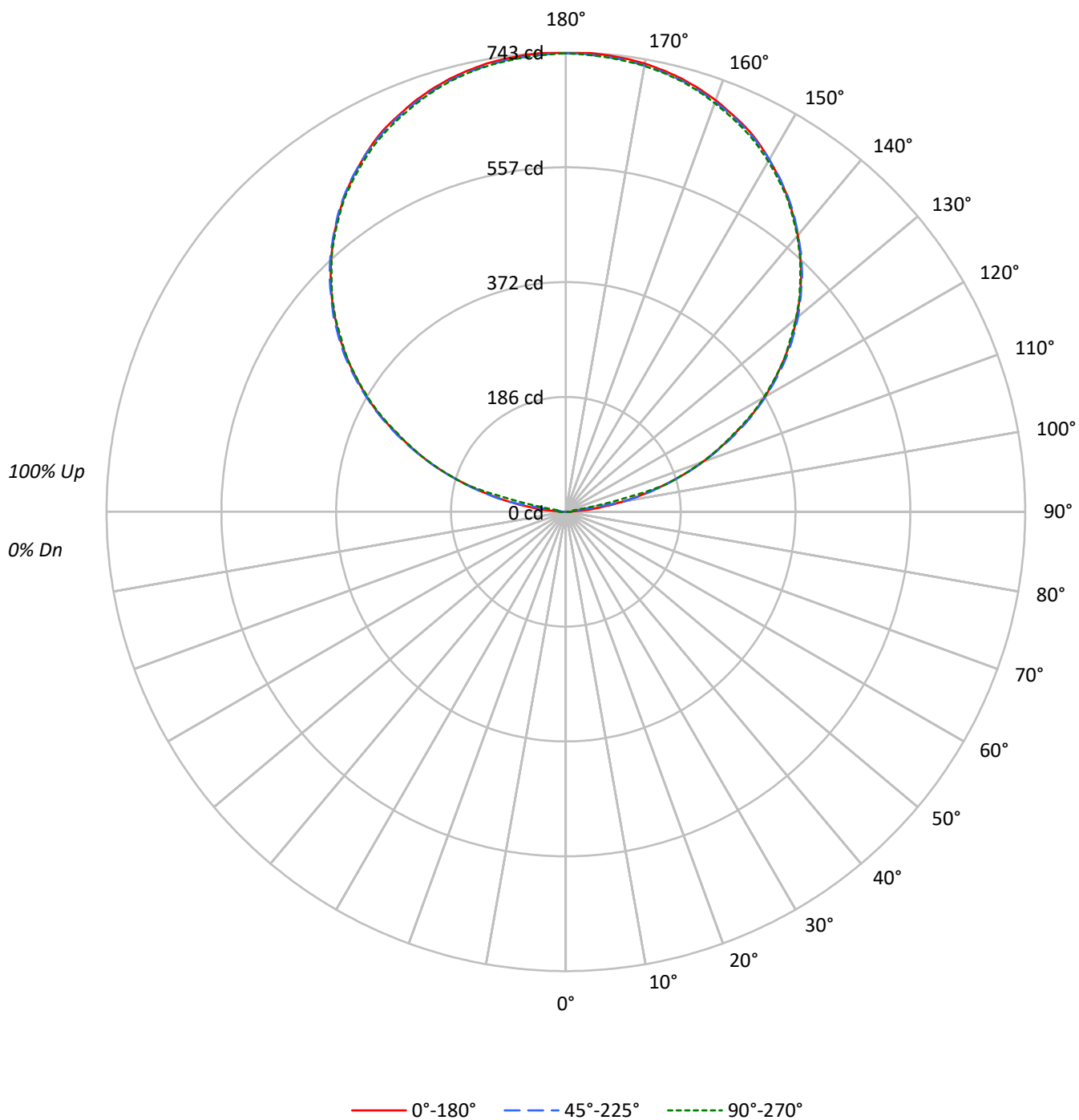
Lumens per Lamp: N/A
Luminaire Lumens: 2279.0 lumens
Efficiency: N/A
Efficacy: 148.0 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

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	0.0
90°-100°	25.2	1.1
100°-110°	167.3	7.3
110°-120°	301.4	13.2
120°-130°	386.9	17.0
130°-140°	416.1	18.3
140°-150°	390.5	17.1
150°-160°	315.9	13.9
160°-170°	204.3	9.0
170°-180°	70.4	3.1
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	1.1	0.0
90°-120°	493.9	21.7
90°-150°	1687.3	74.0
90°-180°	2278.0	100.0
0°-180°	2279.0	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	5	9	12	13	2
95°	31	30	9	12	12	38
105°	162	164	164	164	163	171
115°	303	306	307	304	301	301
125°	432	435	435	433	432	385
135°	538	542	540	539	536	415
145°	624	625	625	626	622	390
155°	687	684	685	687	682	317
165°	725	722	722	726	721	205
175°	742	738	739	743	738	71
180°	742	742	742	742	742	

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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	4.9	8.8	11.5	13.2
92.5°	10.4	5.5	8.8	11.5	12.1
95°	31.3	29.7	8.8	11.5	11.5
97.5°	58.8	62.1	9.9	11.0	11.5
100°	91.8	93.5	95.6	13.7	11.5
102.5°	125.3	127.5	128.6	129.7	83.6
105°	161.6	163.8	163.8	163.8	163.3
107.5°	199.0	199.0	200.1	200.6	198.4
110°	235.3	235.3	236.4	234.7	235.3

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	269.4	271.0	271.6	269.4	268.3
115°	303.4	306.2	306.7	304.5	301.2
117.5°	339.2	339.2	341.4	338.1	337.0
120°	372.2	371.6	373.3	372.2	369.4
122.5°	401.3	404.0	404.6	403.5	400.2
125°	431.5	435.4	435.4	433.2	431.5
127.5°	460.7	463.4	462.9	461.8	457.4
130°	487.0	489.8	490.3	488.7	485.9
132.5°	513.4	516.7	515.1	515.1	512.3
135°	538.2	541.5	540.4	539.3	536.0
137.5°	561.3	564.5	563.4	563.4	560.7
140°	583.8	584.9	584.3	585.4	582.1
142.5°	604.1	604.7	605.8	605.8	602.5
145°	623.9	625.0	625.0	625.6	622.3
147.5°	641.5	641.5	642.1	642.6	638.8
150°	658.0	656.9	658.0	659.1	654.7
152.5°	673.9	671.2	672.3	673.4	669.5
155°	687.1	683.8	684.9	686.6	682.2
157.5°	697.6	695.9	695.9	697.6	693.2
160°	708.6	705.3	705.8	708.0	703.6
162.5°	717.4	714.1	714.6	717.9	713.0
165°	725.1	721.8	722.3	725.6	721.2
167.5°	731.1	727.8	728.4	732.2	727.3
170°	736.1	732.2	732.8	737.2	732.2
172.5°	739.4	735.5	736.6	740.5	735.5
175°	741.6	738.3	738.8	743.2	738.3
177.5°	743.2	739.9	740.5	744.3	739.9
180°	741.6	741.6	741.6	741.6	741.6

(END OF REPORT)