

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: P1007909

Luminaire Tested: S125IP-B850UB30-4F0-XX-W2A

Issue Date: 5/5/2025

Test Information

Test Method: LM-79-2019
Report Number: P1007909
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-B850UB30-4F0-XX-W2A
Description: Define 5 Indirect Pendant with 3000K BioUP LEDs {m-DER=0.589} {m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

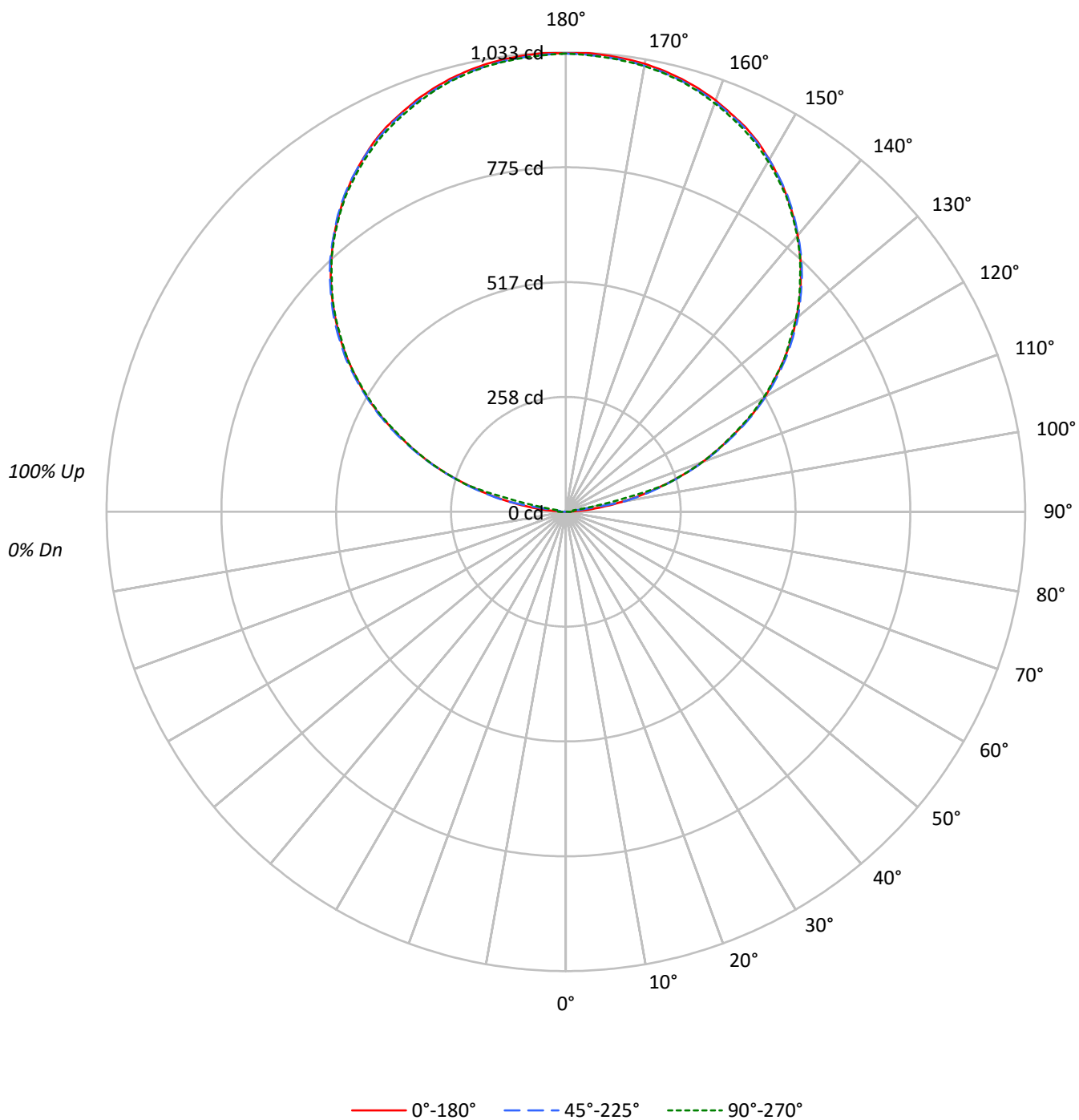
Lumens per Lamp: N/A
Luminaire Lumens: 3167.0 lumens
Efficiency: N/A
Efficacy: 150.1 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

Input Watts (W): 21.1
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°	1.5	0.0
90°-100°	35.0	1.1
100°-110°	232.6	7.3
110°-120°	418.8	13.2
120°-130°	537.6	17.0
130°-140°	578.2	18.3
140°-150°	542.6	17.1
150°-160°	438.9	13.9
160°-170°	283.9	9.0
170°-180°	97.9	3.1
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	1.5	0.0
90°-120°	686.3	21.7
90°-150°	2344.8	74.0
90°-180°	3165.0	99.9
0°-180°	3167.0	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	7	12	16	18	2
95°	44	41	12	16	16	53
105°	225	228	228	228	227	238
115°	422	426	426	423	419	418
125°	600	605	605	602	600	536
135°	748	752	751	749	745	577
145°	867	869	869	869	865	542
155°	955	950	952	954	948	440
165°	1008	1003	1004	1008	1002	285
175°	1030	1026	1027	1033	1026	98
180°	1030	1030	1030	1030	1030	

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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°	0.8	6.9	12.2	16.0	18.3
92.5°	14.5	7.6	12.2	16.0	16.8
95°	43.5	41.3	12.2	16.0	16.0
97.5°	81.7	86.3	13.8	15.3	16.0
100°	127.6	129.9	132.9	19.1	16.0
102.5°	174.2	177.2	178.8	180.3	116.1
105°	224.6	227.6	227.6	227.6	226.9
107.5°	276.5	276.5	278.1	278.8	275.8
110°	326.9	326.9	328.5	326.2	326.9

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	374.3	376.6	377.4	374.3	372.8
115°	421.7	425.5	426.3	423.2	418.6
117.5°	471.3	471.3	474.4	469.8	468.3
120°	517.2	516.4	518.7	517.2	513.3
122.5°	557.6	561.5	562.2	560.7	556.1
125°	599.7	605.0	605.0	602.0	599.7
127.5°	640.1	644.0	643.2	641.7	635.6
130°	676.8	680.6	681.4	679.1	675.3
132.5°	713.5	718.1	715.8	715.8	712.0
135°	747.9	752.4	750.9	749.4	744.8
137.5°	779.9	784.5	783.0	783.0	779.2
140°	811.3	812.8	812.0	813.6	809.0
142.5°	839.5	840.3	841.8	841.8	837.2
145°	867.0	868.6	868.6	869.3	864.7
147.5°	891.5	891.5	892.2	893.0	887.6
150°	914.4	912.9	914.4	915.9	909.8
152.5°	936.5	932.7	934.2	935.8	930.4
155°	954.9	950.3	951.8	954.1	948.0
157.5°	969.4	967.1	967.1	969.4	963.3
160°	984.7	980.1	980.8	983.9	977.8
162.5°	996.9	992.3	993.1	997.7	990.8
165°	1007.6	1003.0	1003.8	1008.3	1002.2
167.5°	1016.0	1011.4	1012.2	1017.5	1010.6
170°	1022.9	1017.5	1018.3	1024.4	1017.5
172.5°	1027.4	1022.1	1023.6	1029.0	1022.1
175°	1030.5	1025.9	1026.7	1032.8	1025.9
177.5°	1032.8	1028.2	1029.0	1034.3	1028.2
180°	1030.5	1030.5	1030.5	1030.5	1030.5

(END OF REPORT)