

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: P1007904

Luminaire Tested: S125IP-B850UB2750-4F0-XX-W2A_3500K

Issue Date: 5/5/2025

Test Information

Test Method: LM-79-2019
Report Number: P1007904
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-B850UB2750-4F0-XX-W2A_3500K
Description: Define 5 Indirect Pendant with 3500K BioUP LEDs {m-DER=0.721} {m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

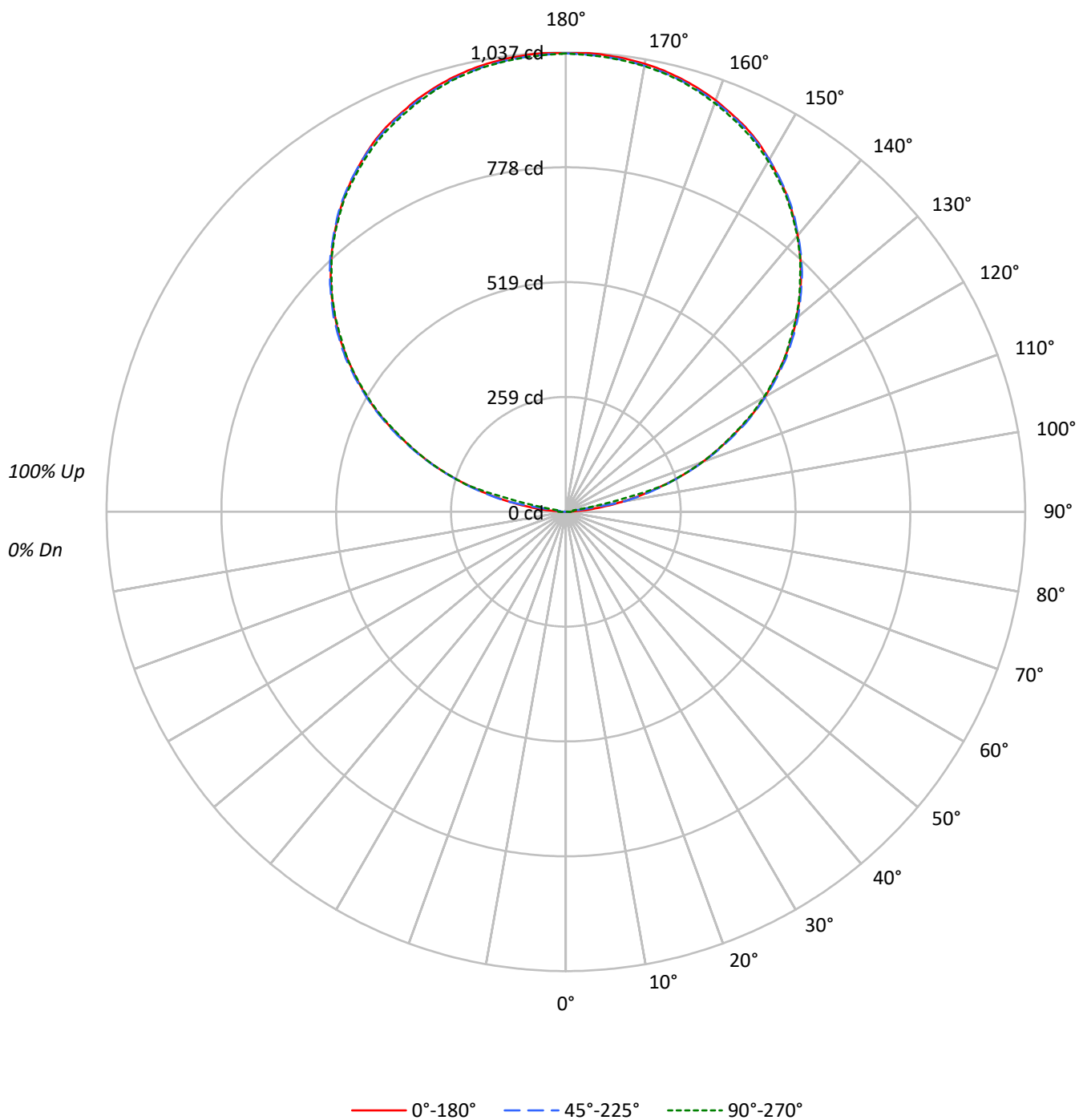
Lumens per Lamp: N/A
Luminaire Lumens: 3180.0 lumens
Efficiency: N/A
Efficacy: 150.7 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

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°	35.1	1.1
100°-110°	233.5	7.3
110°-120°	420.5	13.2
120°-130°	539.8	17.0
130°-140°	580.6	18.3
140°-150°	544.9	17.1
150°-160°	440.7	13.9
160°-170°	285.0	9.0
170°-180°	98.3	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°	689.2	21.7
90°-150°	2354.4	74.0
90°-180°	3178.0	99.9
0°-180°	3180.0	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	54
105°	226	229	229	229	228	239
115°	423	427	428	425	420	420
125°	602	608	608	604	602	538
135°	751	756	754	752	748	579
145°	871	872	872	873	868	544
155°	959	954	956	958	952	442
165°	1012	1007	1008	1012	1006	286
175°	1035	1030	1031	1037	1030	99
180°	1035	1035	1035	1035	1035	

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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	12.3	16.1	18.4
92.5°	14.6	7.7	12.3	16.1	16.9
95°	43.7	41.4	12.3	16.1	16.1
97.5°	82.1	86.7	13.8	15.3	16.1
100°	128.1	130.4	133.5	19.2	16.1
102.5°	174.9	178.0	179.5	181.0	116.6
105°	225.5	228.6	228.6	228.6	227.8
107.5°	277.7	277.7	279.2	280.0	276.9
110°	328.3	328.3	329.8	327.5	328.3

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	375.8	378.1	378.9	375.8	374.3
115°	423.4	427.2	428.0	424.9	420.3
117.5°	473.3	473.3	476.3	471.7	470.2
120°	519.3	518.5	520.8	519.3	515.4
122.5°	559.9	563.8	564.5	563.0	558.4
125°	602.1	607.5	607.5	604.4	602.1
127.5°	642.8	646.6	645.8	644.3	638.2
130°	679.6	683.4	684.2	681.9	678.1
132.5°	716.4	721.0	718.7	718.7	714.9
135°	750.9	755.5	754.0	752.5	747.9
137.5°	783.1	787.7	786.2	786.2	782.4
140°	814.6	816.1	815.4	816.9	812.3
142.5°	843.0	843.7	845.3	845.3	840.7
145°	870.6	872.1	872.1	872.9	868.3
147.5°	895.1	895.1	895.9	896.7	891.3
150°	918.1	916.6	918.1	919.7	913.5
152.5°	940.4	936.5	938.1	939.6	934.2
155°	958.8	954.2	955.7	958.0	951.9
157.5°	973.4	971.1	971.1	973.4	967.2
160°	988.7	984.1	984.9	987.9	981.8
162.5°	1001.0	996.4	997.1	1001.7	994.8
165°	1011.7	1007.1	1007.9	1012.5	1006.3
167.5°	1020.2	1015.6	1016.3	1021.7	1014.8
170°	1027.1	1021.7	1022.5	1028.6	1021.7
172.5°	1031.7	1026.3	1027.8	1033.2	1026.3
175°	1034.7	1030.1	1030.9	1037.0	1030.1
177.5°	1037.0	1032.4	1033.2	1038.6	1032.4
180°	1034.7	1034.7	1034.7	1034.7	1034.7

(END OF REPORT)