

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: P1007796

Luminaire Tested: S125IP-B1090UB50-4F0-XX-W2A-1

Issue Date: 5/5/2025

Test Information

Test Method: LM-79-2019
Report Number: P1007796
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-B1090UB50-4F0-XX-W2A-1
Description: Define 5 Indirect Pendant with 5000K BioUP LEDs {m-DER=1.015} {m-EER=1.115}
Light Source: -
Ballast/Driver: -

Summary

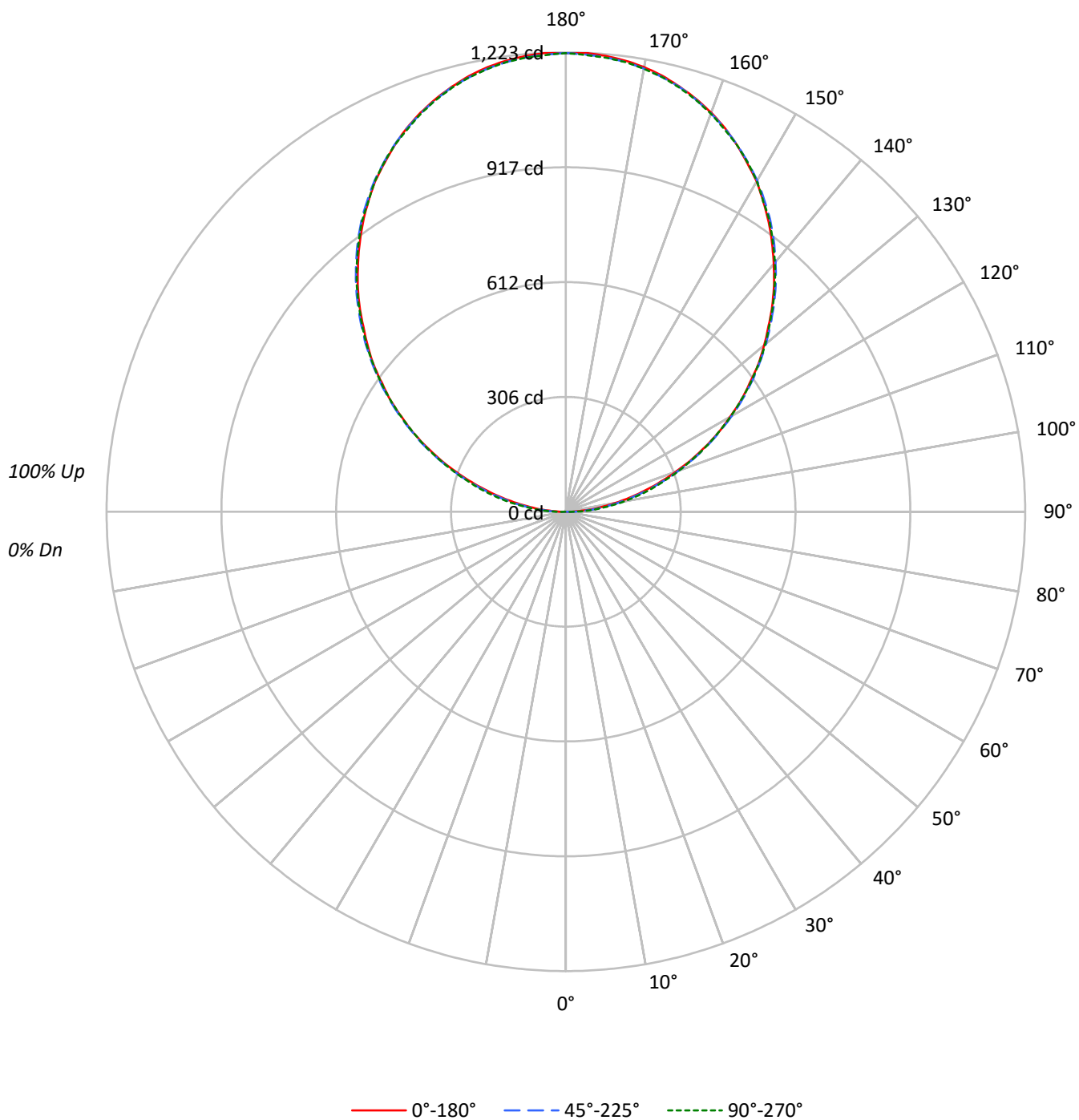
Lumens per Lamp: N/A
Luminaire Lumens: 3410.0 lumens
Efficiency: N/A
Efficacy: 119.6 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

Input Watts (W): 28.5
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			0
RW	70	50	30	10	70	50	30	10	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	10	10	0
1	87	83	79	76	74	71	68	65	48	47	45	28	27	26	9	9	8	8	8	0
2	79	72	66	62	67	62	57	53	42	40	37	24	23	22	8	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	0
4	65	56	48	43	56	48	42	37	33	29	26	19	17	16	6	6	5	5	5	0
5	60	49	42	36	51	42	36	32	29	25	22	17	15	13	5	5	4	4	4	0
6	55	44	36	31	47	38	32	27	26	22	19	15	13	11	5	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	0
8	47	35	28	23	40	30	24	20	21	17	14	12	10	9	4	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	0
10	40	29	22	18	34	25	19	16	17	14	11	10	8	7	3	3	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°	1.9	0.1
90°-100°	81.2	2.4
100°-110°	241.2	7.1
110°-120°	409.1	12.0
120°-130°	538.6	15.8
130°-140°	603.5	17.7
140°-150°	591.6	17.3
150°-160°	496.9	14.6
160°-170°	330.3	9.7
170°-180°	115.6	3.4
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	1.9	0.1
90°-120°	731.6	21.5
90°-150°	2465.3	72.3
90°-180°	3408.0	99.9
0°-180°	3410.0	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	9	15	20	23	4
95°	62	64	73	80	82	65
105°	217	221	227	233	236	231
115°	410	413	415	414	413	405
125°	598	603	604	602	602	536
135°	777	783	784	784	780	599
145°	942	946	948	948	946	589
155°	1078	1078	1079	1082	1078	496
165°	1172	1170	1171	1175	1169	331
175°	1218	1214	1214	1220	1214	116
180°	1221	1221	1221	1221	1221	

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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°	1.0	8.6	15.2	20.0	22.8
92.5°	28.5	33.3	41.8	48.5	50.4
95°	61.8	63.7	73.2	79.8	81.7
97.5°	95.0	96.0	109.3	115.0	115.9
100°	133.0	133.0	145.4	153.9	155.8
102.5°	173.9	178.7	183.4	192.9	195.8
105°	216.7	221.4	227.1	232.8	235.7
107.5°	263.2	268.0	272.7	275.6	275.6
110°	311.7	316.5	319.3	322.2	321.2

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	361.1	363.0	366.8	367.8	365.9
115°	409.6	413.4	415.3	414.3	413.4
117.5°	459.0	459.9	461.8	462.8	459.0
120°	504.6	509.4	510.3	510.3	506.5
122.5°	554.0	555.0	557.8	556.9	554.0
125°	597.7	603.4	604.4	602.5	601.5
127.5°	646.2	649.1	650.0	649.1	647.2
130°	689.0	693.7	695.6	694.7	692.8
132.5°	731.7	740.3	739.3	738.4	735.5
135°	777.3	783.0	784.0	784.0	780.2
137.5°	820.1	825.8	827.7	828.7	823.9
140°	861.0	865.7	868.6	870.5	865.7
142.5°	901.8	905.6	909.4	910.4	905.6
145°	941.7	945.6	948.4	948.4	945.6
147.5°	978.8	981.7	983.6	986.4	978.8
150°	1015.9	1014.9	1018.7	1018.7	1016.8
152.5°	1046.3	1048.2	1049.1	1052.0	1048.2
155°	1077.6	1077.6	1078.6	1082.4	1077.6
157.5°	1106.2	1104.3	1105.2	1109.0	1102.4
160°	1130.9	1128.0	1129.0	1132.8	1128.0
162.5°	1152.7	1150.8	1150.8	1155.6	1149.9
165°	1171.7	1169.8	1170.8	1174.6	1168.9
167.5°	1188.8	1185.0	1185.0	1190.7	1185.0
170°	1202.1	1198.3	1198.3	1204.0	1197.4
172.5°	1211.6	1207.8	1207.8	1213.5	1207.8
175°	1218.3	1214.5	1214.5	1220.2	1213.5
177.5°	1223.0	1219.2	1218.3	1224.0	1217.3
180°	1221.1	1221.1	1221.1	1221.1	1221.1

(END OF REPORT)