

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: P1007812

Luminaire Tested: S125IP-B1270UB2750-4F0-XX-W2A_2700K

Issue Date: 5/5/2025

Test Information

Test Method: LM-79-2019
Report Number: P1007812
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-B1270UB2750-4F0-XX-W2A_2700K
Description: Define 5 Indirect Pendant with 2700K BioUP LEDs {m-DER=0.473} {m-EER=0.52}
Light Source: -
Ballast/Driver: -

Summary

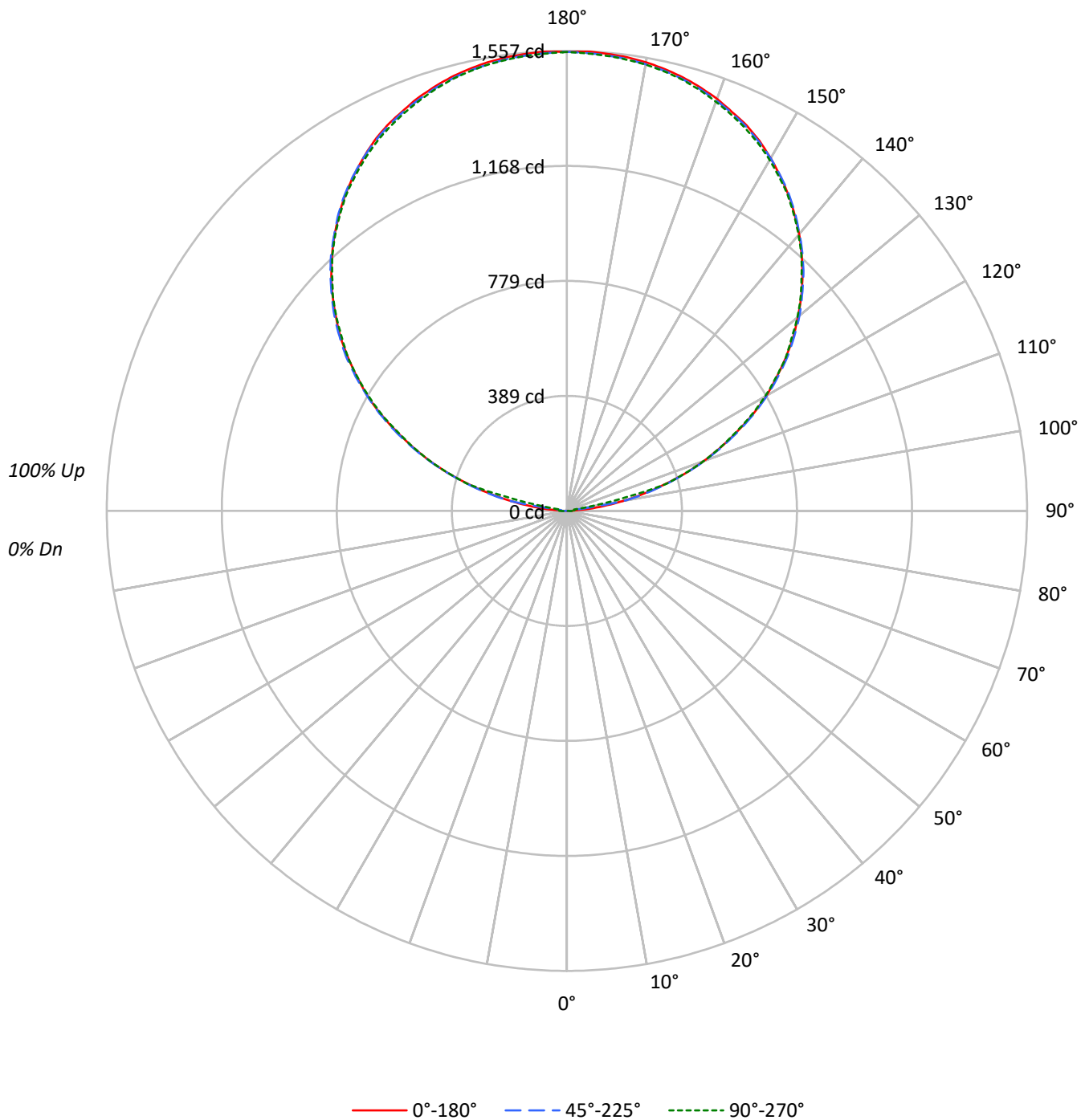
Lumens per Lamp: N/A
Luminaire Lumens: 4774.0 lumens
Efficiency: N/A
Efficacy: 136.4 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

Input Watts (W): 35
Input Voltage (V): 120
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				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	0
RCR																					
0	95	95	95	95	81	81	81	81	56	56	56	32	32	32	10	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	8	0
2	79	72	66	62	67	62	57	53	42	40	37	24	23	22	8	7	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	6	0
4	65	56	48	43	56	48	42	37	33	29	26	19	17	16	6	6	5	5	5	5	0
5	60	49	42	36	51	42	36	32	29	25	22	17	15	13	5	5	4	4	4	4	0
6	55	44	36	31	47	38	32	27	26	22	19	15	13	11	5	4	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	3	0
8	47	35	28	23	40	30	24	20	21	17	14	12	10	9	4	3	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	3	0
10	40	29	22	18	34	25	19	16	17	14	11	10	8	7	3	3	2	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°	2.3	0.0
90°-100°	52.7	1.1
100°-110°	350.6	7.3
110°-120°	631.3	13.2
120°-130°	810.4	17.0
130°-140°	871.6	18.3
140°-150°	818.0	17.1
150°-160°	661.7	13.9
160°-170°	427.9	9.0
170°-180°	147.6	3.1
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	2.3	0.0
90°-120°	1034.6	21.7
90°-150°	3534.5	74.0
90°-180°	4772.0	100.0
0°-180°	4774.0	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	10	18	24	28	3
95°	66	62	18	24	24	80
105°	338	343	343	343	342	359
115°	636	641	642	638	631	630
125°	904	912	912	907	904	807
135°	1127	1134	1132	1130	1123	869
145°	1307	1309	1309	1310	1304	817
155°	1439	1432	1435	1438	1429	663
165°	1519	1512	1513	1520	1511	429
175°	1553	1546	1548	1557	1546	148
180°	1553	1553	1553	1553	1553	

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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°	1.2	10.4	18.4	24.2	27.6
92.5°	21.9	11.5	18.4	24.2	25.3
95°	65.6	62.2	18.4	24.2	24.2
97.5°	123.2	130.1	20.7	23.0	24.2
100°	192.3	195.8	200.4	28.8	24.2
102.5°	262.5	267.2	269.5	271.8	175.0
105°	338.5	343.2	343.2	343.2	342.0
107.5°	416.8	416.8	419.2	420.3	415.7
110°	492.8	492.8	495.2	491.7	492.8

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	564.2	567.7	568.8	564.2	561.9
115°	635.6	641.4	642.5	637.9	631.0
117.5°	710.5	710.5	715.1	708.2	705.9
120°	779.6	778.4	781.9	779.6	773.8
122.5°	840.6	846.4	847.5	845.2	838.3
125°	903.9	912.0	912.0	907.4	903.9
127.5°	965.0	970.7	969.6	967.3	958.1
130°	1020.2	1026.0	1027.2	1023.7	1017.9
132.5°	1075.5	1082.4	1079.0	1079.0	1073.2
135°	1127.3	1134.2	1131.9	1129.6	1122.7
137.5°	1175.7	1182.6	1180.3	1180.3	1174.5
140°	1222.9	1225.2	1224.1	1226.4	1219.5
142.5°	1265.5	1266.7	1269.0	1269.0	1262.1
145°	1307.0	1309.3	1309.3	1310.4	1303.5
147.5°	1343.8	1343.8	1345.0	1346.1	1338.1
150°	1378.4	1376.1	1378.4	1380.7	1371.5
152.5°	1411.8	1406.0	1408.3	1410.6	1402.5
155°	1439.4	1432.5	1434.8	1438.2	1429.0
157.5°	1461.3	1457.8	1457.8	1461.3	1452.1
160°	1484.3	1477.4	1478.5	1483.2	1473.9
162.5°	1502.7	1495.8	1497.0	1503.9	1493.5
165°	1518.8	1511.9	1513.1	1520.0	1510.8
167.5°	1531.5	1524.6	1525.8	1533.8	1523.5
170°	1541.9	1533.8	1535.0	1544.2	1533.8
172.5°	1548.8	1540.7	1543.0	1551.1	1540.7
175°	1553.4	1546.5	1547.6	1556.8	1546.5
177.5°	1556.8	1549.9	1551.1	1559.2	1549.9
180°	1553.4	1553.4	1553.4	1553.4	1553.4

(END OF REPORT)