

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: P1007799

Luminaire Tested: S125IP-B1270UB27-4F0-XX-W2A-1

Issue Date: 5/5/2025

Test Information

Test Method: LM-79-2019
Report Number: P1007799
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-B1270UB27-4F0-XX-W2A-1
Description: Define 5 Indirect Pendant with 2700K BioUP LEDs {m-DER=0.473} {m-EER=0.52}
Light Source: -
Ballast/Driver: -

Summary

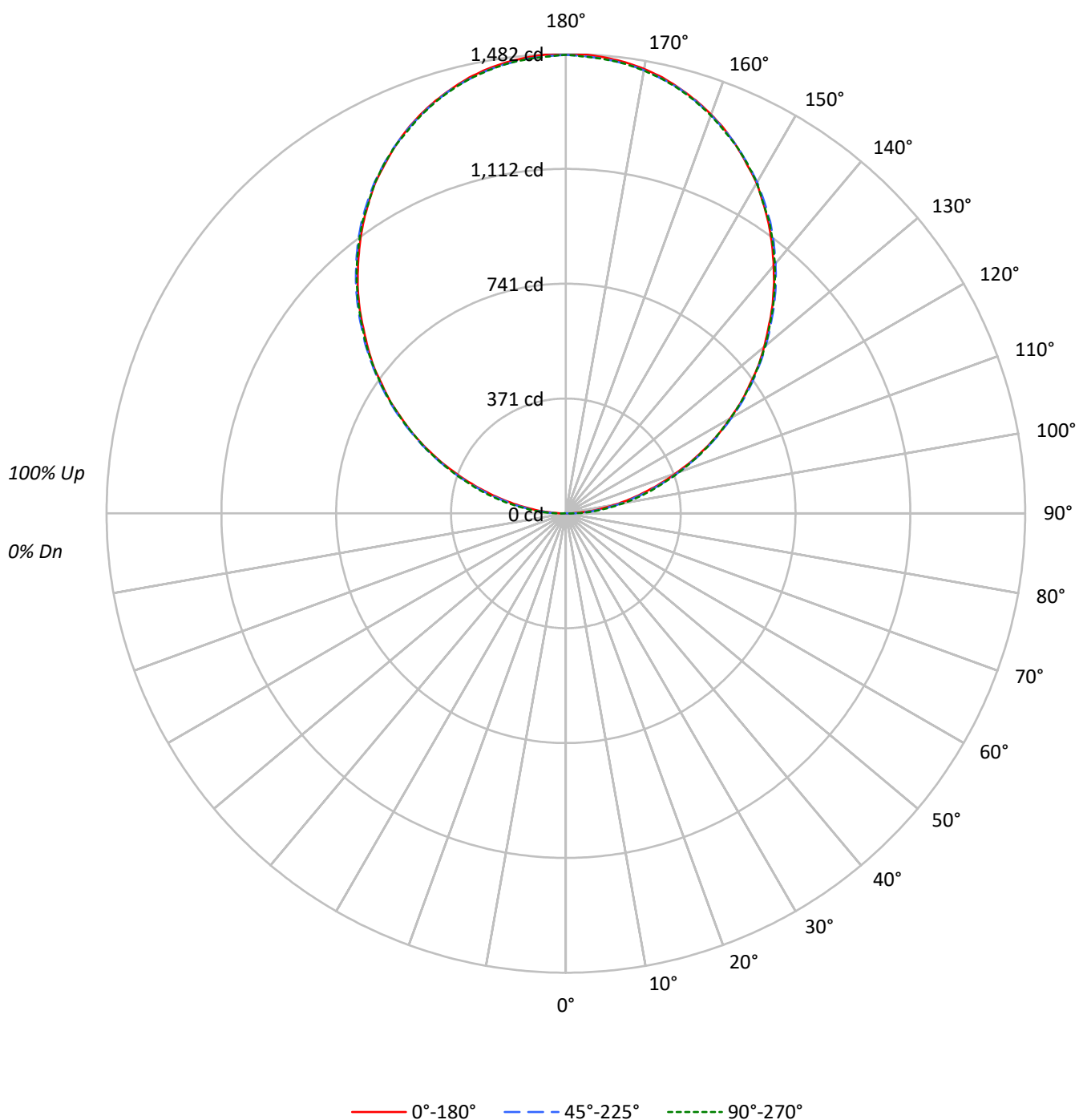
Lumens per Lamp: N/A
Luminaire Lumens: 4131.0 lumens
Efficiency: N/A
Efficacy: 118.0 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

Input Watts (W): 35
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°	2.3	0.1
90°-100°	98.4	2.4
100°-110°	292.2	7.1
110°-120°	495.6	12.0
120°-130°	652.5	15.8
130°-140°	731.2	17.7
140°-150°	716.7	17.3
150°-160°	602.0	14.6
160°-170°	400.2	9.7
170°-180°	140.0	3.4
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	2.3	0.1
90°-120°	886.2	21.5
90°-150°	2986.5	72.3
90°-180°	4129.0	100.0
0°-180°	4131.0	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	5
95°	75	77	89	97	99	78
105°	262	268	275	282	286	280
115°	496	501	503	502	501	491
125°	724	731	732	730	729	649
135°	942	949	950	950	945	726
145°	1141	1146	1149	1149	1146	713
155°	1306	1306	1307	1311	1306	601
165°	1420	1417	1418	1423	1416	401
175°	1476	1471	1471	1478	1470	140
180°	1479	1479	1479	1479	1479	

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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°	34.5	40.3	50.7	58.7	61.0
95°	74.8	77.1	88.6	96.7	99.0
97.5°	115.1	116.3	132.4	139.3	140.5
100°	161.2	161.2	176.1	186.5	188.8
102.5°	210.7	216.4	222.2	233.7	237.2
105°	262.5	268.2	275.1	282.1	285.5
107.5°	318.9	324.6	330.4	333.9	333.9
110°	377.6	383.4	386.8	390.3	389.1

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	437.5	439.8	444.4	445.5	443.2
115°	496.2	500.8	503.1	501.9	500.8
117.5°	556.0	557.2	559.5	560.6	556.0
120°	611.3	617.1	618.2	618.2	613.6
122.5°	671.2	672.3	675.8	674.6	671.2
125°	724.1	731.0	732.2	729.9	728.7
127.5°	782.8	786.3	787.4	786.3	784.0
130°	834.6	840.4	842.7	841.6	839.2
132.5°	886.4	896.8	895.7	894.5	891.1
135°	941.7	948.6	949.8	949.8	945.2
137.5°	993.5	1000.4	1002.7	1003.9	998.1
140°	1043.0	1048.8	1052.2	1054.5	1048.8
142.5°	1092.5	1097.1	1101.7	1102.9	1097.1
145°	1140.9	1145.5	1148.9	1148.9	1145.5
147.5°	1185.8	1189.2	1191.5	1195.0	1185.8
150°	1230.7	1229.5	1234.1	1234.1	1231.8
152.5°	1267.5	1269.8	1271.0	1274.4	1269.8
155°	1305.5	1305.5	1306.6	1311.3	1305.5
157.5°	1340.0	1337.7	1338.9	1343.5	1335.4
160°	1370.0	1366.5	1367.7	1372.3	1366.5
162.5°	1396.4	1394.1	1394.1	1399.9	1393.0
165°	1419.5	1417.2	1418.3	1422.9	1416.0
167.5°	1440.2	1435.6	1435.6	1442.5	1435.6
170°	1456.3	1451.7	1451.7	1458.6	1450.6
172.5°	1467.8	1463.2	1463.2	1470.1	1463.2
175°	1475.9	1471.3	1471.3	1478.2	1470.1
177.5°	1481.6	1477.0	1475.9	1482.8	1474.7
180°	1479.3	1479.3	1479.3	1479.3	1479.3

(END OF REPORT)