

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: P1007504

Luminaire Tested: S123IP-B1195UB2750-4F0-XX-W2A-1_3500K

Issue Date: 5/5/2025

Test Information

Test Method: LM-79-2019
Report Number: P1007504
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-9)
Test Lab: INNOVATION CENTER
Issue Date: 5/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123IP-B1195UB2750-4F0-XX-W2A-1_3500K
Description: Define 3 Indirect Pendant with 3500K BioUP LEDs {m-DER=0.721} {m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

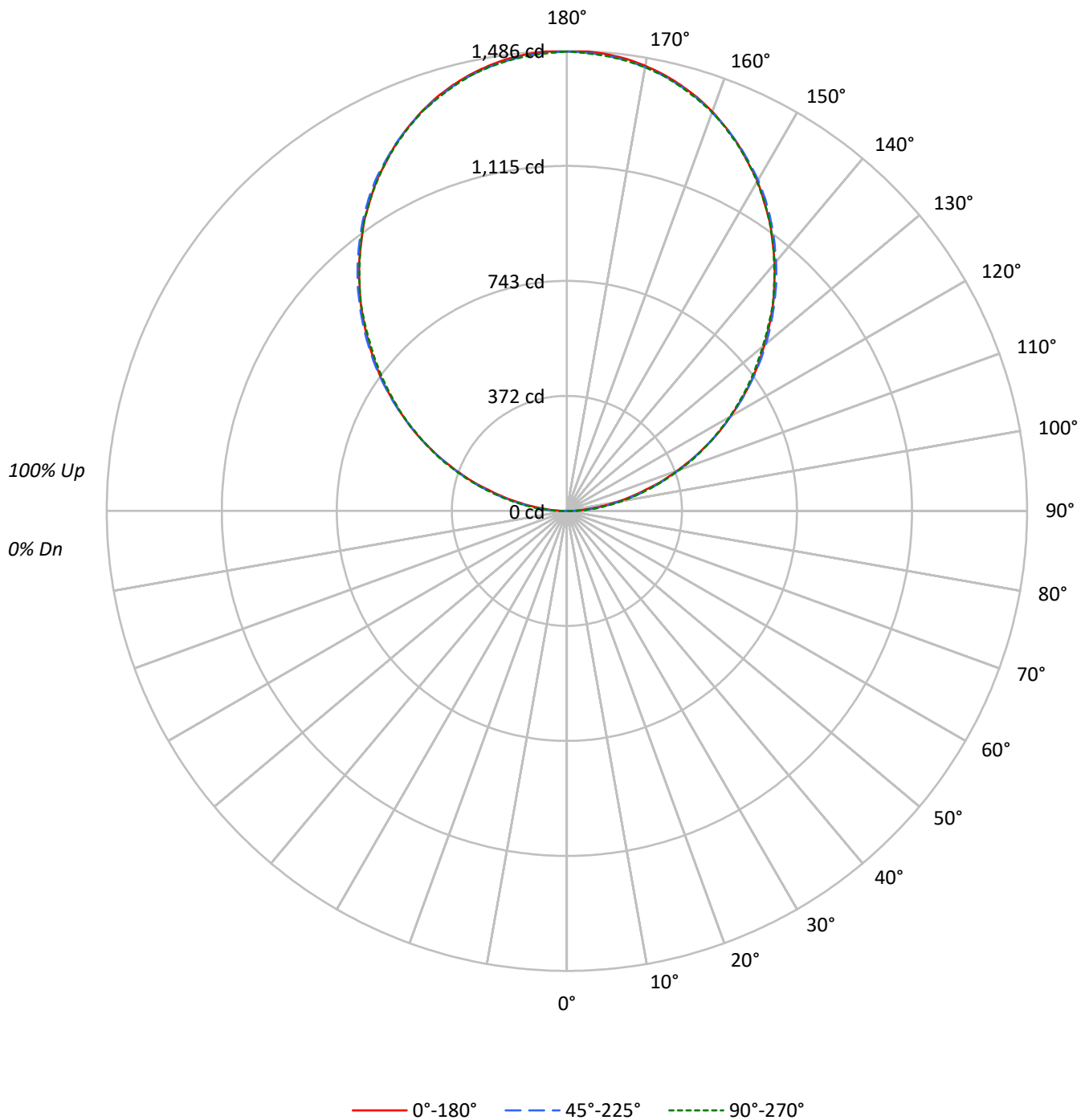
Lumens per Lamp: N/A
Luminaire Lumens: 4116.0 lumens
Efficiency: N/A
Efficacy: 117.6 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Indirect

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°	3.1	0.1
90°-100°	95.6	2.3
100°-110°	289.2	7.0
110°-120°	492.4	12.0
120°-130°	647.7	15.7
130°-140°	728.0	17.7
140°-150°	715.8	17.4
150°-160°	602.6	14.6
160°-170°	401.2	9.7
170°-180°	140.5	3.4
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	3.1	0.1
90°-120°	877.1	21.3
90°-150°	2968.6	72.1
90°-180°	4113.0	99.9
0°-180°	4116.0	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	13	28	33	35	5
95°	69	77	86	91	91	76
105°	262	265	275	275	278	281
115°	496	499	497	498	497	490
125°	725	729	726	722	717	647
135°	941	948	947	942	940	725
145°	1142	1144	1147	1146	1142	713
155°	1307	1307	1308	1313	1305	602
165°	1424	1420	1420	1427	1419	402
175°	1481	1476	1476	1483	1475	141
180°	1484	1484	1484	1484	1484	

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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	12.8	28.0	32.6	35.0
92.5°	35.0	42.0	49.0	52.5	50.1
95°	68.8	77.0	86.3	90.9	90.9
97.5°	113.1	118.9	125.9	131.8	130.6
100°	158.6	165.6	171.4	174.9	177.2
102.5°	211.1	214.5	222.7	226.2	225.0
105°	262.4	264.7	275.2	275.2	277.5
107.5°	323.0	324.2	328.8	332.3	331.2
110°	379.0	381.3	383.6	388.3	386.0

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	437.3	438.4	438.4	444.3	444.3
115°	495.6	499.1	496.7	497.9	496.7
117.5°	555.0	556.2	553.9	553.9	550.4
120°	609.8	616.8	611.0	609.8	607.5
122.5°	667.0	671.6	669.3	665.8	662.3
125°	725.3	728.8	726.4	721.8	717.1
127.5°	778.9	785.9	783.6	776.6	771.9
130°	832.5	841.9	838.4	833.7	825.5
132.5°	886.2	895.5	893.2	887.3	881.5
135°	941.0	948.0	946.8	942.1	939.8
137.5°	991.1	997.0	1000.4	994.6	991.1
140°	1043.6	1049.4	1050.6	1049.4	1041.3
142.5°	1091.4	1097.2	1099.6	1098.4	1092.6
145°	1141.5	1143.9	1147.4	1146.2	1141.5
147.5°	1184.7	1189.3	1192.8	1192.8	1185.8
150°	1230.2	1232.5	1234.8	1234.8	1227.8
152.5°	1267.5	1271.0	1272.1	1274.5	1268.6
155°	1307.1	1307.1	1308.3	1312.9	1304.8
157.5°	1340.9	1339.8	1340.9	1345.6	1338.6
160°	1372.4	1370.1	1370.1	1375.9	1371.2
162.5°	1400.4	1396.9	1398.1	1403.9	1395.7
165°	1423.7	1420.2	1420.2	1427.2	1419.1
167.5°	1443.5	1438.9	1440.0	1447.0	1440.0
170°	1459.9	1455.2	1455.2	1463.4	1455.2
172.5°	1472.7	1468.0	1468.0	1475.0	1466.9
175°	1480.9	1476.2	1476.2	1483.2	1475.0
177.5°	1485.5	1480.9	1480.9	1487.8	1479.7
180°	1484.3	1484.3	1484.3	1484.3	1484.3

(END OF REPORT)