

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: P1007503

Luminaire Tested: S123IP-B1195UB2750-4F0-XX-W2A-1_3000K

Issue Date: 5/5/2025

Test Information

Test Method: LM-79-2019
Report Number: P1007503
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_3000K
Description: Define 3 Indirect Pendant with 3000K BioUP LEDs {m-DER=0.589} {m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

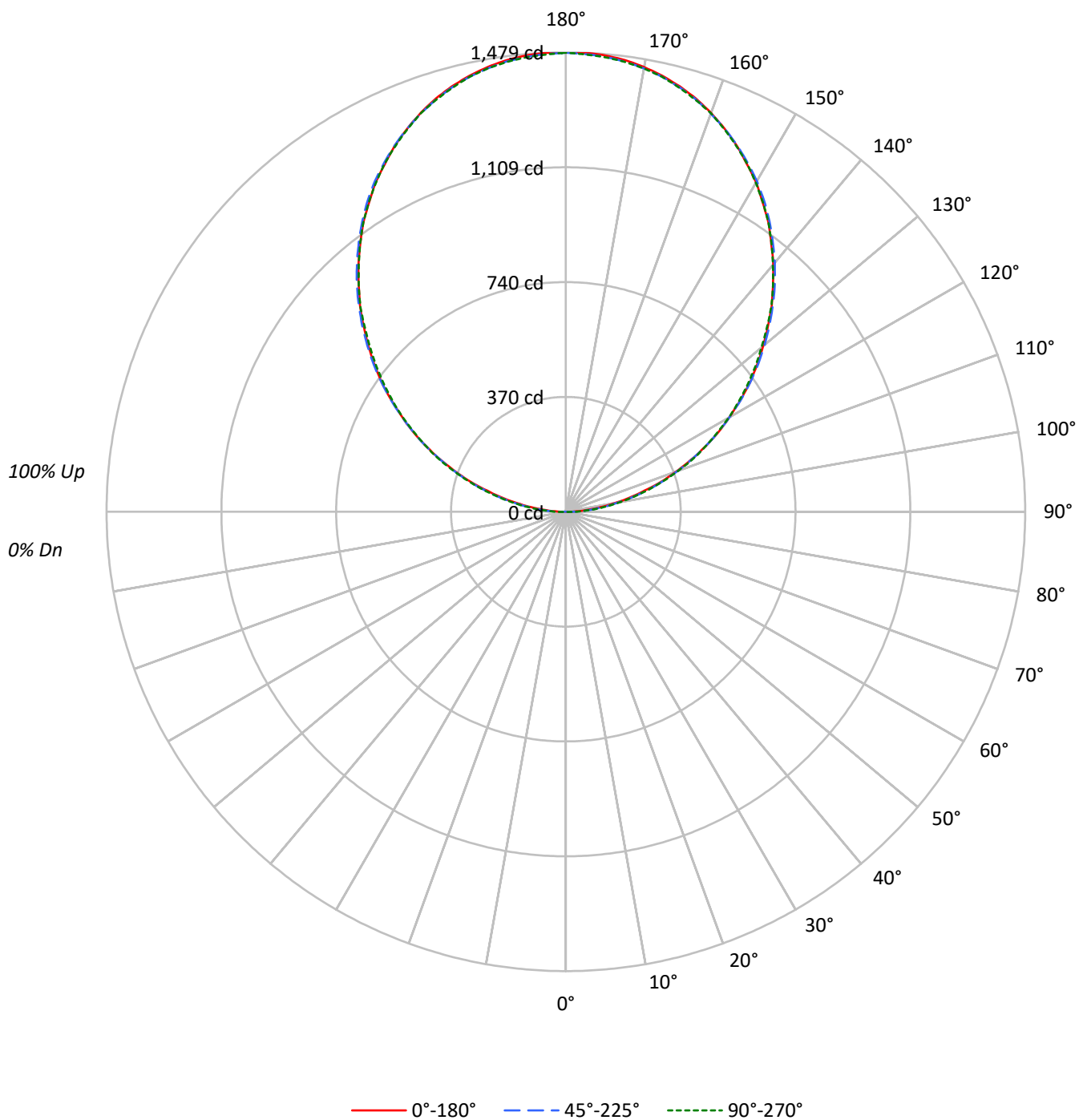
Lumens per Lamp: N/A
Luminaire Lumens: 4099.0 lumens
Efficiency: N/A
Efficacy: 117.1 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Indirect

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°	95.2	2.3
100°-110°	288.0	7.0
110°-120°	490.3	12.0
120°-130°	645.0	15.7
130°-140°	725.0	17.7
140°-150°	712.8	17.4
150°-160°	600.1	14.6
160°-170°	399.5	9.7
170°-180°	139.9	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°	873.5	21.3
90°-150°	2956.4	72.1
90°-180°	4096.0	99.9
0°-180°	4099.0	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	32	35	5
95°	68	77	86	91	91	75
105°	261	264	274	274	276	280
115°	494	497	495	496	495	488
125°	722	726	723	719	714	644
135°	937	944	943	938	936	722
145°	1137	1139	1143	1142	1137	710
155°	1302	1302	1303	1308	1299	599
165°	1418	1414	1414	1421	1413	400
175°	1475	1470	1470	1477	1469	140
180°	1478	1478	1478	1478	1478	

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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	27.9	32.5	34.8
92.5°	34.8	41.8	48.8	52.3	49.9
95°	68.5	76.6	85.9	90.6	90.6
97.5°	112.6	118.4	125.4	131.2	130.1
100°	157.9	164.9	170.7	174.2	176.5
102.5°	210.2	213.7	221.8	225.3	224.1
105°	261.3	263.6	274.0	274.0	276.4
107.5°	321.7	322.8	327.5	330.9	329.8
110°	377.4	379.7	382.0	386.7	384.4

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	435.5	436.6	436.6	442.4	442.4
115°	493.5	497.0	494.7	495.8	494.7
117.5°	552.7	553.9	551.6	551.6	548.1
120°	607.3	614.3	608.5	607.3	605.0
122.5°	664.2	668.9	666.5	663.1	659.6
125°	722.3	725.8	723.4	718.8	714.1
127.5°	775.7	782.7	780.3	773.4	768.7
130°	829.1	838.4	834.9	830.3	822.1
132.5°	882.5	891.8	889.5	883.7	877.9
135°	937.1	944.1	942.9	938.3	935.9
137.5°	987.0	992.8	996.3	990.5	987.0
140°	1039.3	1045.1	1046.2	1045.1	1037.0
142.5°	1086.9	1092.7	1095.0	1093.9	1088.1
145°	1136.8	1139.1	1142.6	1141.5	1136.8
147.5°	1179.8	1184.4	1187.9	1187.9	1180.9
150°	1225.1	1227.4	1229.7	1229.7	1222.8
152.5°	1262.2	1265.7	1266.9	1269.2	1263.4
155°	1301.7	1301.7	1302.9	1307.5	1299.4
157.5°	1335.4	1334.2	1335.4	1340.0	1333.1
160°	1366.7	1364.4	1364.4	1370.2	1365.6
162.5°	1394.6	1391.1	1392.3	1398.1	1390.0
165°	1417.8	1414.4	1414.4	1421.3	1413.2
167.5°	1437.6	1432.9	1434.1	1441.1	1434.1
170°	1453.8	1449.2	1449.2	1457.3	1449.2
172.5°	1466.6	1462.0	1462.0	1468.9	1460.8
175°	1474.7	1470.1	1470.1	1477.1	1468.9
177.5°	1479.4	1474.7	1474.7	1481.7	1473.6
180°	1478.2	1478.2	1478.2	1478.2	1478.2

(END OF REPORT)