

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: P1007549

Luminaire Tested: S123IP-B365UB30-4F0-XX-W2A

Issue Date: 5/5/2025

Test Information

Test Method: LM-79-2019
Report Number: P1007549
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123IP-B365UB30-4F0-XX-W2A
Description: Define 3 Indirect Pendant with 3000K BioUP LEDs {m-DER=0.589} {m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

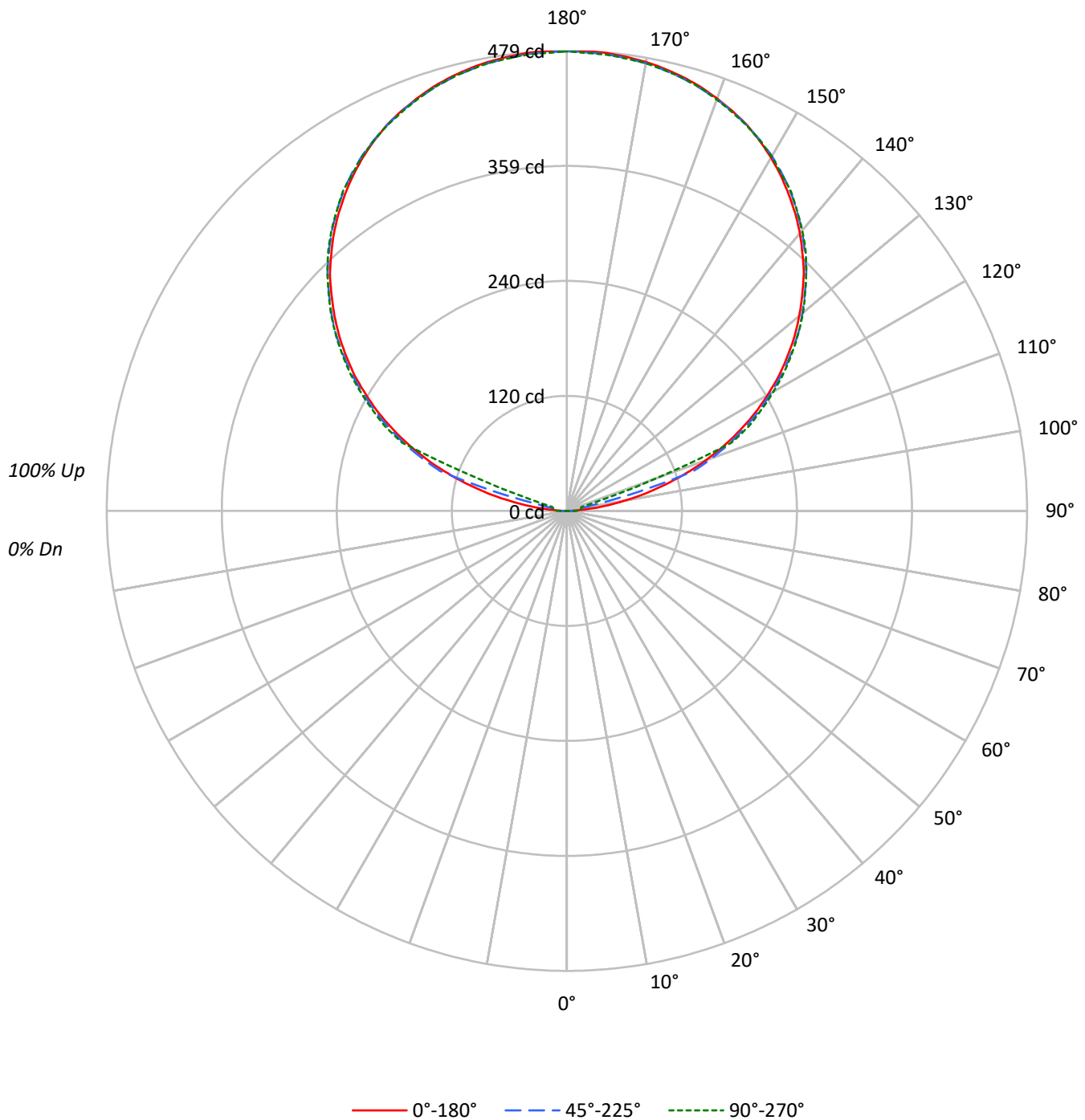
Lumens per Lamp: N/A
Luminaire Lumens: 1460.0 lumens
Efficiency: N/A
Efficacy: 157.0 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Indirect

Input Watts (W): 9.3
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°	1.0	0.1
90°-100°	16.9	1.2
100°-110°	81.6	5.6
110°-120°	200.0	13.7
120°-130°	253.8	17.4
130°-140°	271.2	18.6
140°-150°	253.6	17.4
150°-160°	204.5	14.0
160°-170°	132.0	9.0
170°-180°	45.5	3.1
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	1.0	0.1
90°-120°	298.5	20.4
90°-150°	1077.0	73.8
90°-180°	1459.0	99.9
0°-180°	1460.0	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°	0	4	8	10	11	1
95°	22	7	11	14	14	26
105°	106	110	78	15	16	112
115°	199	201	204	208	209	196
125°	280	283	284	285	286	250
135°	349	351	352	353	352	269
145°	402	405	406	406	406	252
155°	443	443	443	445	443	204
165°	468	466	466	469	466	132
175°	479	477	477	480	477	46
180°	479	479	479	479	479	

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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°	0.4	3.9	8.5	10.0	10.7
92.5°	8.2	6.0	9.2	11.7	12.1
95°	21.7	7.1	11.0	13.5	13.5
97.5°	39.5	29.5	11.4	14.2	14.6
100°	60.1	67.2	11.7	14.6	14.9
102.5°	83.6	88.2	26.3	14.6	15.3
105°	106.0	109.9	77.9	14.9	15.6
107.5°	129.8	133.0	138.3	83.6	37.0
110°	153.6	156.5	160.4	148.6	97.8

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	176.4	178.9	182.8	186.0	185.3
115°	198.8	200.9	204.1	207.7	209.1
117.5°	220.8	223.3	225.1	227.9	228.3
120°	241.1	244.3	245.3	248.2	248.2
122.5°	261.7	264.2	265.6	267.4	267.7
125°	280.2	283.0	284.5	285.2	285.9
127.5°	298.7	301.5	303.3	304.4	303.7
130°	315.7	318.6	320.0	321.4	320.7
132.5°	332.1	334.9	336.0	337.4	336.4
135°	348.8	350.9	352.4	353.4	352.4
137.5°	363.0	365.9	366.6	368.4	367.7
140°	377.3	379.4	380.5	381.9	381.2
142.5°	390.4	392.5	393.6	394.7	393.6
145°	402.5	405.0	405.7	406.4	406.4
147.5°	414.2	416.0	416.7	417.4	415.7
150°	424.9	426.0	426.7	427.4	426.3
152.5°	434.5	434.9	435.2	436.6	434.9
155°	443.4	442.7	443.0	444.8	442.7
157.5°	450.5	450.5	450.2	452.3	449.4
160°	456.9	456.6	456.2	458.3	455.8
162.5°	463.0	461.9	461.5	464.0	461.9
165°	467.6	466.5	466.2	469.0	466.5
167.5°	471.5	470.1	470.1	472.9	470.1
170°	474.7	473.3	473.3	476.1	473.3
172.5°	476.8	475.0	475.4	478.2	475.0
175°	478.6	476.8	477.2	479.7	476.8
177.5°	479.3	477.5	477.9	480.7	477.2
180°	478.6	478.6	478.6	478.6	478.6

(END OF REPORT)