

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: P1007579

Luminaire Tested: S123IP-B585UB30-4F0-XX-W2A

Issue Date: 5/5/2025

Test Information

Test Method: LM-79-2019
Report Number: P1007579
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-B585UB30-4F0-XX-W2A
Description: Define 3 Indirect Pendant with 3000K BioUP LEDs {m-DER=0.589} {m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

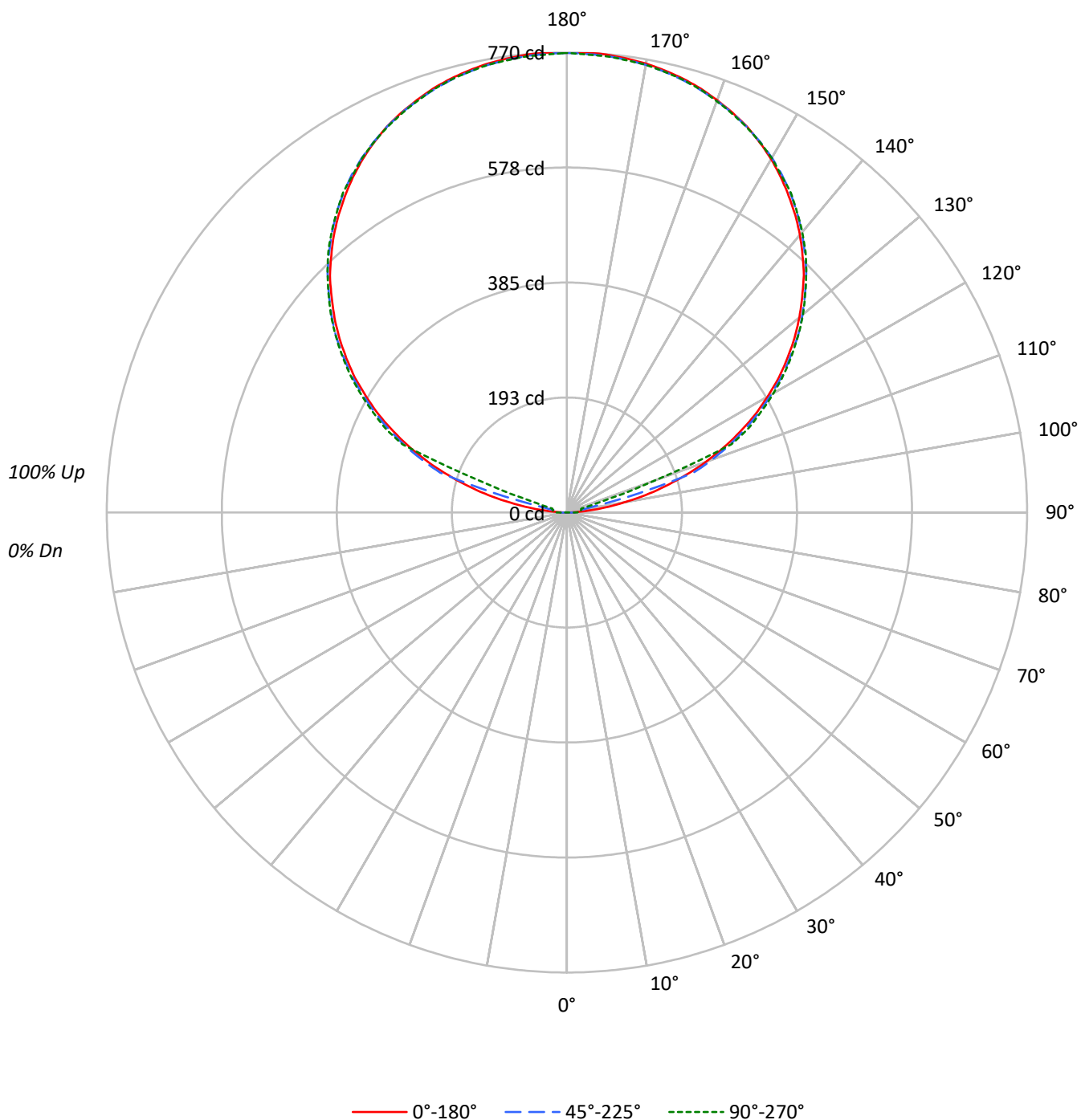
Lumens per Lamp: N/A
Luminaire Lumens: 2347.0 lumens
Efficiency: N/A
Efficacy: 152.4 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Indirect

Input Watts (W): 15.4
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

TEST NUMBER: P1007579

CATALOG NUMBER: S123IP-B585UB30-4F0-XX-W2A

Luminous Intensity Polar Plot



TEST NUMBER: P1007579

CATALOG NUMBER: S123IP-B585UB30-4F0-XX-W2A

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

TEST NUMBER: P1007579

CATALOG NUMBER: S123IP-B585UB30-4F0-XX-W2A

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°	1.5	0.1
90°-100°	27.1	1.2
100°-110°	131.2	5.6
110°-120°	321.4	13.7
120°-130°	408.1	17.4
130°-140°	435.9	18.6
140°-150°	407.6	17.4
150°-160°	328.8	14.0
160°-170°	212.2	9.0
170°-180°	73.1	3.1
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	1.5	0.1
90°-120°	479.7	20.4
90°-150°	1731.3	73.8
90°-180°	2345.0	99.9
0°-180°	2347.0	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	6	14	16	17	2
95°	35	11	18	22	22	42
105°	170	177	125	24	25	181
115°	320	323	328	334	336	316
125°	450	455	457	458	460	402
135°	561	564	566	568	566	432
145°	647	651	652	653	653	405
155°	713	712	712	715	712	328
165°	752	750	749	754	750	212
175°	769	766	767	771	766	73
180°	769	769	769	769	769	

TEST NUMBER: P1007579

CATALOG NUMBER: S123IP-B585UB30-4F0-XX-W2A

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°	0.6	6.3	13.7	16.0	17.1
92.5°	13.1	9.7	14.9	18.9	19.4
95°	34.9	11.4	17.7	21.7	21.7
97.5°	63.4	47.4	18.3	22.9	23.4
100°	96.6	108.0	18.9	23.4	24.0
102.5°	134.3	141.8	42.3	23.4	24.6
105°	170.3	176.6	125.2	24.0	25.2
107.5°	208.6	213.8	222.3	134.3	59.4
110°	246.9	251.5	257.8	238.9	157.2

TEST NUMBER: P1007579

CATALOG NUMBER: S123IP-B585UB30-4F0-XX-W2A

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	283.5	287.5	293.8	298.9	297.8
115°	319.5	322.9	328.1	333.8	336.1
117.5°	355.0	359.0	361.8	366.4	367.0
120°	387.5	392.7	394.4	399.0	399.0
122.5°	420.7	424.7	427.0	429.8	430.4
125°	450.4	455.0	457.3	458.4	459.6
127.5°	480.1	484.7	487.6	489.3	488.1
130°	507.6	512.1	514.4	516.7	515.6
132.5°	533.9	538.4	540.2	542.4	540.7
135°	560.7	564.2	566.4	568.2	566.4
137.5°	583.6	588.2	589.3	592.2	591.0
140°	606.5	609.9	611.6	613.9	612.7
142.5°	627.6	631.0	632.8	634.5	632.8
145°	647.0	651.0	652.2	653.3	653.3
147.5°	665.9	668.8	669.9	671.0	668.2
150°	683.1	684.8	685.9	687.1	685.3
152.5°	698.5	699.1	699.6	701.9	699.1
155°	712.8	711.6	712.2	715.1	711.6
157.5°	724.2	724.2	723.6	727.1	722.5
160°	734.5	733.9	733.4	736.8	732.8
162.5°	744.2	742.5	741.9	745.9	742.5
165°	751.6	749.9	749.4	753.9	749.9
167.5°	757.9	755.6	755.6	760.2	755.6
170°	763.1	760.8	760.8	765.4	760.8
172.5°	766.5	763.6	764.2	768.8	763.6
175°	769.4	766.5	767.1	771.1	766.5
177.5°	770.5	767.6	768.2	772.8	767.1
180°	769.4	769.4	769.4	769.4	769.4

(END OF REPORT)