

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: P1007574

Luminaire Tested: S123IP-B585UB2750-4F0-XX-W2A_3500K

Issue Date: 5/5/2025

Test Information

Test Method: LM-79-2019
Report Number: P1007574
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-B585UB2750-4F0-XX-W2A_3500K
Description: Define 3 Indirect Pendant with 3500K BioUP LEDs {m-DER=0.721} {m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

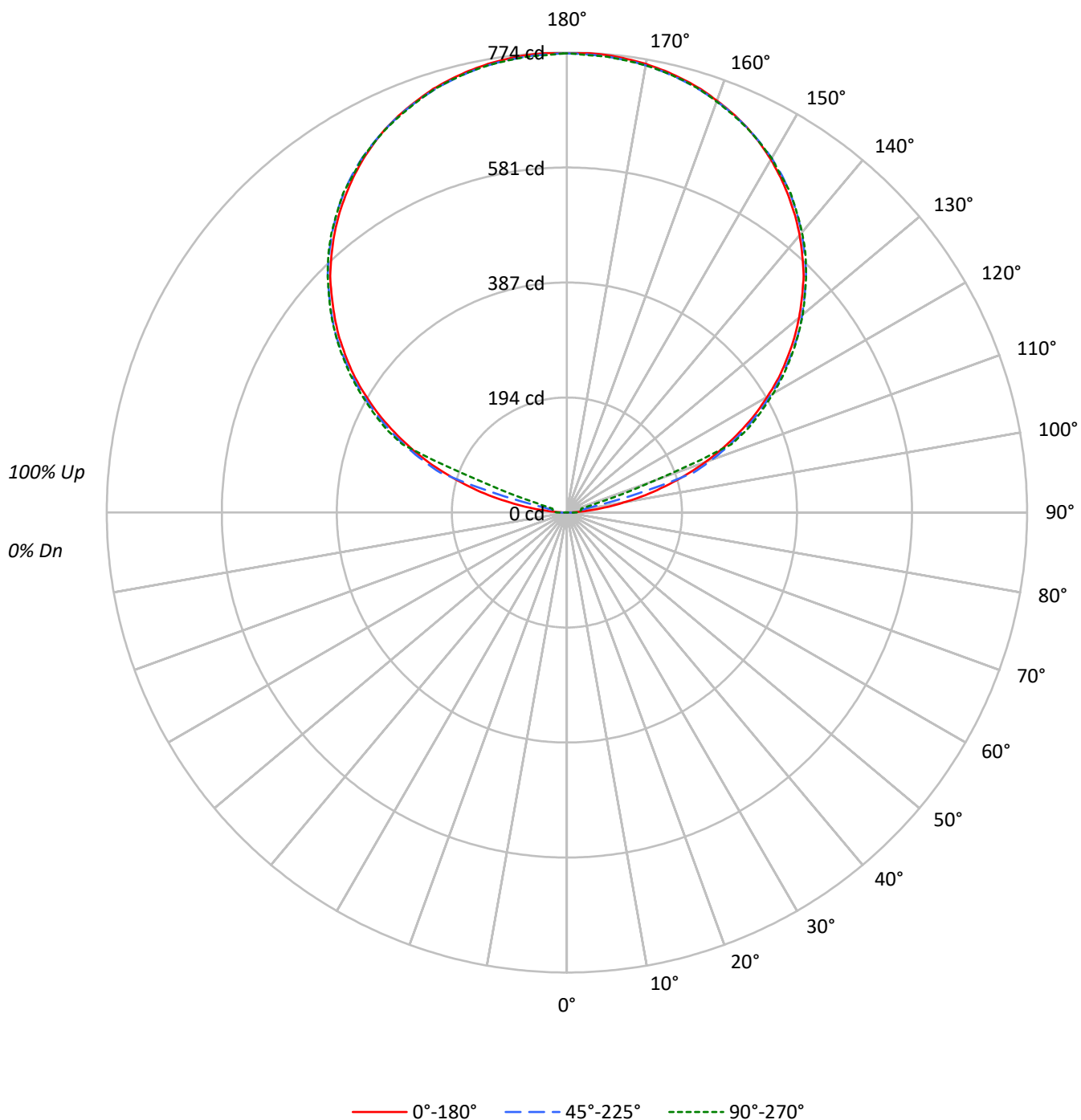
Lumens per Lamp: N/A
Luminaire Lumens: 2357.0 lumens
Efficiency: N/A
Efficacy: 153.1 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Indirect

Input Watts (W): 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

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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°	1.5	0.1
90°-100°	27.2	1.2
100°-110°	131.7	5.6
110°-120°	322.8	13.7
120°-130°	409.8	17.4
130°-140°	437.8	18.6
140°-150°	409.4	17.4
150°-160°	330.2	14.0
160°-170°	213.1	9.0
170°-180°	73.4	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°	481.8	20.4
90°-150°	1738.7	73.8
90°-180°	2355.0	99.9
0°-180°	2357.0	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	12	18	22	22	42
105°	171	177	126	24	25	181
115°	321	324	330	335	338	317
125°	452	457	459	460	462	404
135°	563	567	569	571	569	434
145°	650	654	655	656	656	407
155°	716	715	715	718	715	330
165°	755	753	752	757	753	213
175°	773	770	770	774	770	74
180°	773	773	773	773	773	

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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°	0.6	6.3	13.8	16.1	17.2
92.5°	13.2	9.8	14.9	18.9	19.5
95°	35.0	11.5	17.8	21.8	21.8
97.5°	63.7	47.6	18.4	23.0	23.5
100°	97.0	108.5	18.9	23.5	24.1
102.5°	134.9	142.4	42.5	23.5	24.7
105°	171.1	177.4	125.7	24.1	25.3
107.5°	209.5	214.7	223.3	134.9	59.7
110°	248.0	252.6	258.9	239.9	157.9

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	284.7	288.7	295.0	300.2	299.1
115°	320.9	324.3	329.5	335.2	337.5
117.5°	356.5	360.5	363.4	368.0	368.5
120°	389.2	394.4	396.1	400.7	400.7
122.5°	422.5	426.5	428.8	431.7	432.2
125°	452.3	456.9	459.2	460.4	461.5
127.5°	482.2	486.8	489.6	491.4	490.2
130°	509.7	514.3	516.6	518.9	517.8
132.5°	536.1	540.7	542.5	544.8	543.0
135°	563.1	566.6	568.9	570.6	568.9
137.5°	586.1	590.7	591.8	594.7	593.5
140°	609.0	612.5	614.2	616.5	615.4
142.5°	630.3	633.7	635.4	637.2	635.4
145°	649.8	653.8	655.0	656.1	656.1
147.5°	668.7	671.6	672.8	673.9	671.0
150°	686.0	687.7	688.8	690.0	688.3
152.5°	701.5	702.0	702.6	704.9	702.0
155°	715.8	714.7	715.2	718.1	714.7
157.5°	727.3	727.3	726.7	730.2	725.6
160°	737.6	737.0	736.5	739.9	735.9
162.5°	747.4	745.7	745.1	749.1	745.7
165°	754.8	753.1	752.5	757.1	753.1
167.5°	761.2	758.9	758.9	763.5	758.9
170°	766.3	764.0	764.0	768.6	764.0
172.5°	769.8	766.9	767.5	772.1	766.9
175°	772.6	769.8	770.3	774.4	769.8
177.5°	773.8	770.9	771.5	776.1	770.3
180°	772.6	772.6	772.6	772.6	772.6

(END OF REPORT)