

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: P1007550

Luminaire Tested: S123IP-B365UB35-4F0-XX-W2A-1

Issue Date: 5/5/2025

Test Information

Test Method: LM-79-2019
Report Number: P1007550
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-B365UB35-4F0-XX-W2A-1
Description: Define 3 Indirect Pendant with 3500K BioUP LEDs {m-DER=0.721} {m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

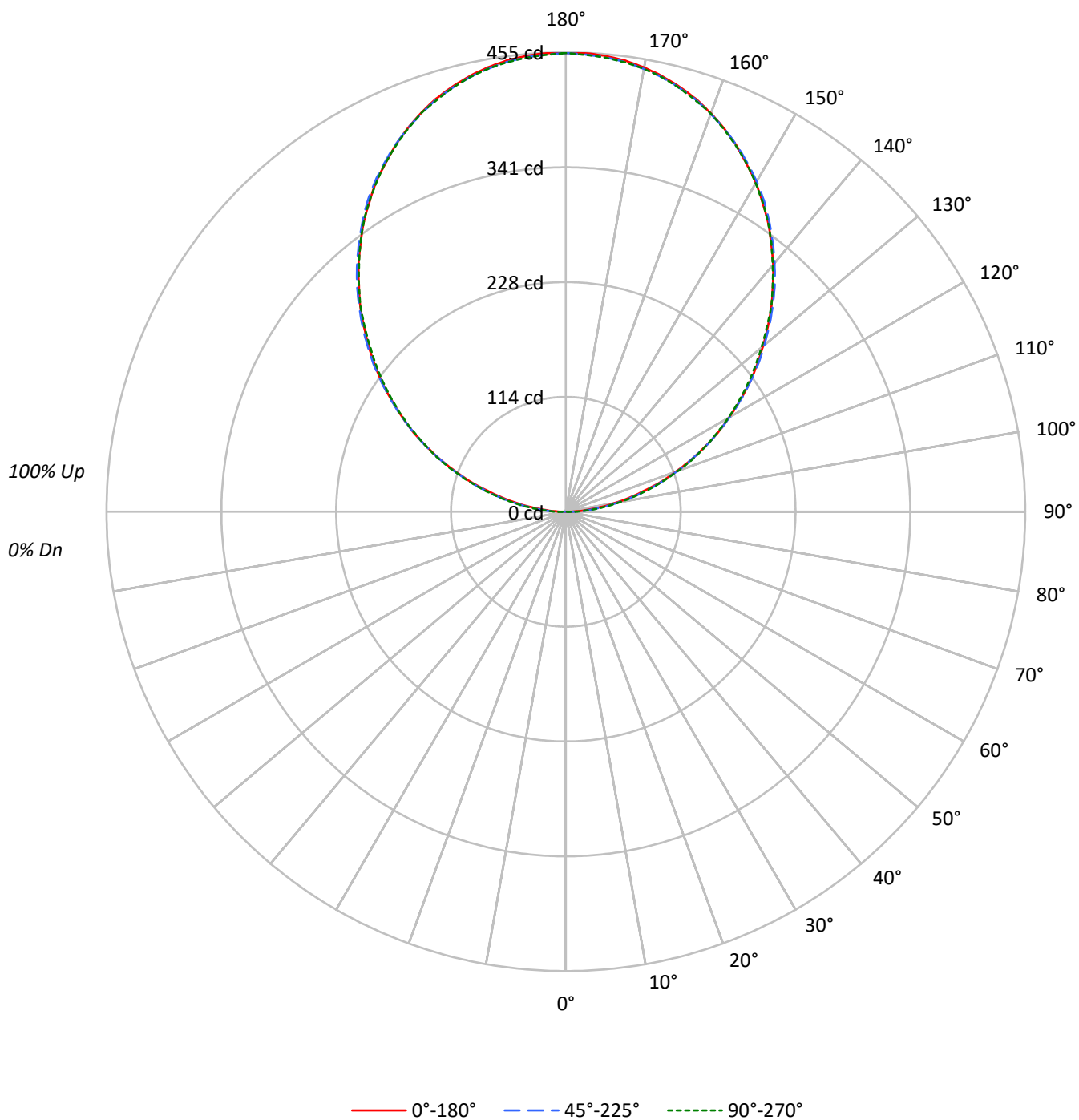
Lumens per Lamp: N/A
Luminaire Lumens: 1260.0 lumens
Efficiency: N/A
Efficacy: 135.5 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Indirect

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°	29.3	2.3
100°-110°	88.5	7.0
110°-120°	150.7	12.0
120°-130°	198.3	15.7
130°-140°	222.9	17.7
140°-150°	219.1	17.4
150°-160°	184.5	14.6
160°-170°	122.8	9.7
170°-180°	43.0	3.4
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°	268.5	21.3
90°-150°	908.8	72.1
90°-180°	1259.0	99.9
0°-180°	1260.0	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	9	10	11	2
95°	21	24	26	28	28	23
105°	80	81	84	84	85	86
115°	152	153	152	152	152	150
125°	222	223	222	221	220	198
135°	288	290	290	288	288	222
145°	350	350	351	351	350	218
155°	400	400	400	402	399	184
165°	436	435	435	437	434	123
175°	453	452	452	454	452	43
180°	454	454	454	454	454	

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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	8.6	10.0	10.7
92.5°	10.7	12.9	15.0	16.1	15.3
95°	21.1	23.6	26.4	27.8	27.8
97.5°	34.6	36.4	38.6	40.3	40.0
100°	48.5	50.7	52.5	53.5	54.3
102.5°	64.6	65.7	68.2	69.2	68.9
105°	80.3	81.0	84.2	84.2	85.0
107.5°	98.9	99.2	100.7	101.7	101.4
110°	116.0	116.7	117.4	118.9	118.1

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	133.9	134.2	134.2	136.0	136.0
115°	151.7	152.8	152.1	152.4	152.1
117.5°	169.9	170.3	169.5	169.5	168.5
120°	186.7	188.8	187.0	186.7	186.0
122.5°	204.2	205.6	204.9	203.8	202.7
125°	222.0	223.1	222.4	220.9	219.5
127.5°	238.4	240.6	239.9	237.7	236.3
130°	254.9	257.7	256.6	255.2	252.7
132.5°	271.3	274.1	273.4	271.6	269.9
135°	288.1	290.2	289.8	288.4	287.7
137.5°	303.4	305.2	306.3	304.5	303.4
140°	319.5	321.3	321.6	321.3	318.8
142.5°	334.1	335.9	336.6	336.2	334.5
145°	349.5	350.2	351.2	350.9	349.5
147.5°	362.7	364.1	365.2	365.2	363.0
150°	376.6	377.3	378.0	378.0	375.9
152.5°	388.0	389.1	389.4	390.1	388.4
155°	400.1	400.1	400.5	401.9	399.4
157.5°	410.5	410.1	410.5	411.9	409.8
160°	420.1	419.4	419.4	421.2	419.8
162.5°	428.7	427.6	428.0	429.8	427.3
165°	435.8	434.8	434.8	436.9	434.4
167.5°	441.9	440.5	440.8	443.0	440.8
170°	446.9	445.5	445.5	448.0	445.5
172.5°	450.8	449.4	449.4	451.5	449.0
175°	453.3	451.9	451.9	454.0	451.5
177.5°	454.7	453.3	453.3	455.5	453.0
180°	454.4	454.4	454.4	454.4	454.4

(END OF REPORT)