

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: P1007354

Luminaire Tested: S122IP-B330UB2750-4F0-XX-W2A-1_3500K

Issue Date: 5/5/2025

Test Information

Test Method: LM-79-2019
Report Number: P1007354
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8)
Test Lab: INNOVATION CENTER
Issue Date: 5/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S122IP-B330UB2750-4F0-XX-W2A-1_3500K
Description: Define 2 Indirect Pendant with 3500K BioUP LEDs {m-DER=0.721} {m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

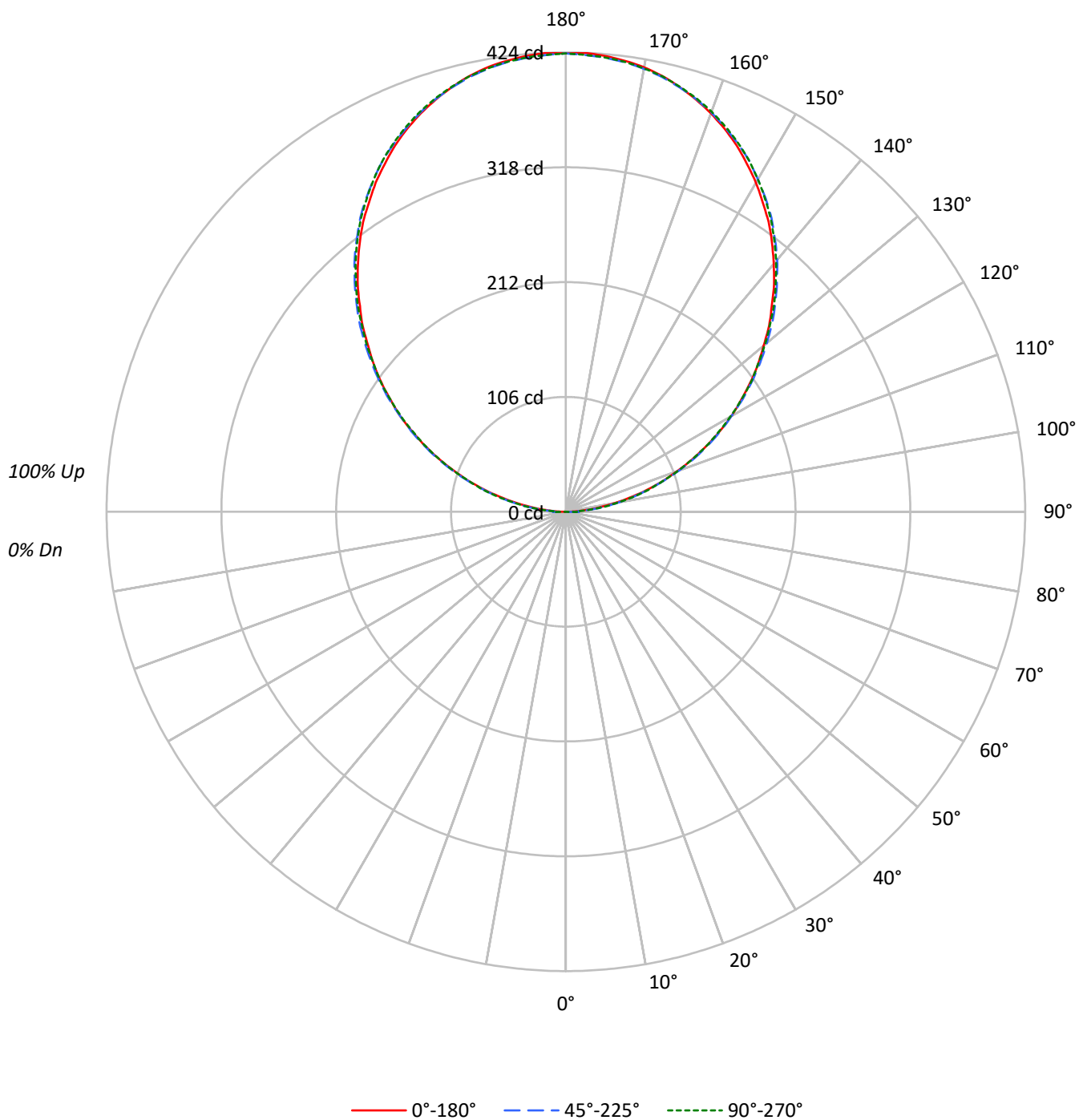
Lumens per Lamp: N/A
Luminaire Lumens: 1184.0 lumens
Efficiency: N/A
Efficacy: 127.3 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Indirect

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				20
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	95	95	95	95	81	81	81	81	56	56	56	32	32	32	10	10	10	10	10	10	0
1	87	83	79	76	74	71	68	65	48	47	45	28	27	26	9	9	8	8	8	8	0
2	79	72	66	62	67	62	57	53	42	40	37	24	23	22	8	7	7	7	7	7	0
3	72	63	56	51	61	54	49	44	37	34	31	21	20	18	7	6	6	6	6	6	0
4	65	56	48	43	56	48	42	37	33	29	26	19	17	16	6	6	5	5	5	5	0
5	60	49	42	36	51	42	36	32	29	25	22	17	15	13	5	5	4	4	4	4	0
6	55	44	36	31	47	38	32	27	26	22	19	15	13	11	5	4	4	4	4	4	0
7	50	39	32	27	43	34	28	23	23	19	17	14	11	10	4	4	3	3	3	3	0
8	47	35	28	23	40	30	24	20	21	17	14	12	10	9	4	3	3	3	3	3	0
9	43	32	25	20	37	27	22	18	19	15	13	11	9	8	4	3	3	3	3	3	0
10	40	29	22	18	34	25	19	16	17	14	11	10	8	7	3	3	2	2	2	2	0

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°	1.2	0.1
90°-100°	26.2	2.2
100°-110°	83.2	7.0
110°-120°	142.4	12.0
120°-130°	187.2	15.8
130°-140°	210.2	17.8
140°-150°	206.1	17.4
150°-160°	172.9	14.6
160°-170°	114.7	9.7
170°-180°	40.1	3.4
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	1.2	0.1
90°-120°	251.7	21.3
90°-150°	855.2	72.2
90°-180°	1183.0	99.9
0°-180°	1184.0	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	5	12	12	12	1
95°	19	22	23	23	22	21
105°	77	78	78	79	79	81
115°	143	145	144	144	143	141
125°	208	211	210	209	208	186
135°	269	273	274	273	272	208
145°	326	329	331	331	330	204
155°	373	374	375	377	376	172
165°	406	406	406	408	406	115
175°	422	421	421	423	421	40
180°	423	423	423	423	423	

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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	4.6	12.5	11.8	12.1
92.5°	7.9	10.7	11.1	11.4	11.4
95°	18.6	22.1	22.8	22.8	22.1
97.5°	31.1	34.3	35.7	35.7	35.7
100°	45.3	48.2	49.3	49.3	48.9
102.5°	60.3	62.5	63.9	64.3	63.9
105°	76.8	77.8	78.5	79.3	79.3
107.5°	93.2	94.6	94.6	95.0	93.2
110°	108.9	111.0	111.0	111.0	110.0

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	126.0	128.2	127.8	126.7	126.0
115°	142.8	144.9	144.2	143.9	142.8
117.5°	159.6	162.4	160.7	159.6	158.5
120°	176.4	179.2	176.4	176.4	175.3
122.5°	191.7	195.3	193.5	192.4	191.7
125°	207.8	211.0	209.9	208.9	208.5
127.5°	223.5	227.4	226.0	224.6	223.5
130°	238.1	242.8	242.1	241.3	239.9
132.5°	254.6	258.1	258.5	256.7	255.6
135°	268.8	272.8	273.5	273.1	272.0
137.5°	284.5	287.8	288.5	288.1	286.7
140°	298.5	301.7	303.5	303.5	302.0
142.5°	312.7	316.0	317.0	317.4	316.0
145°	326.3	328.8	331.0	331.3	329.9
147.5°	338.4	341.7	343.1	343.8	342.4
150°	350.9	353.1	354.5	355.6	354.5
152.5°	362.0	364.2	365.9	367.4	365.9
155°	373.1	374.1	375.2	377.0	375.9
157.5°	382.7	383.4	384.1	386.6	384.9
160°	391.3	392.0	392.4	394.5	393.1
162.5°	399.1	399.1	399.5	402.0	400.2
165°	405.9	405.6	405.6	408.1	406.3
167.5°	412.0	410.9	410.9	413.4	411.6
170°	416.6	415.6	415.2	417.7	415.6
172.5°	419.8	418.8	418.4	420.9	418.8
175°	422.3	421.3	420.6	423.1	420.9
177.5°	423.8	422.7	422.0	424.1	422.0
180°	423.1	423.1	423.1	423.1	423.1

(END OF REPORT)