

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: P1007533

Luminaire Tested: S123IP-B365UB2750-4F0-XX-W2A-1_3000K

Issue Date: 5/5/2025

Test Information

Test Method: LM-79-2019
Report Number: P1007533
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-B365UB2750-4F0-XX-W2A-1_3000K
Description: Define 3 Indirect Pendant with 3000K BioUP LEDs {m-DER=0.589} {m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

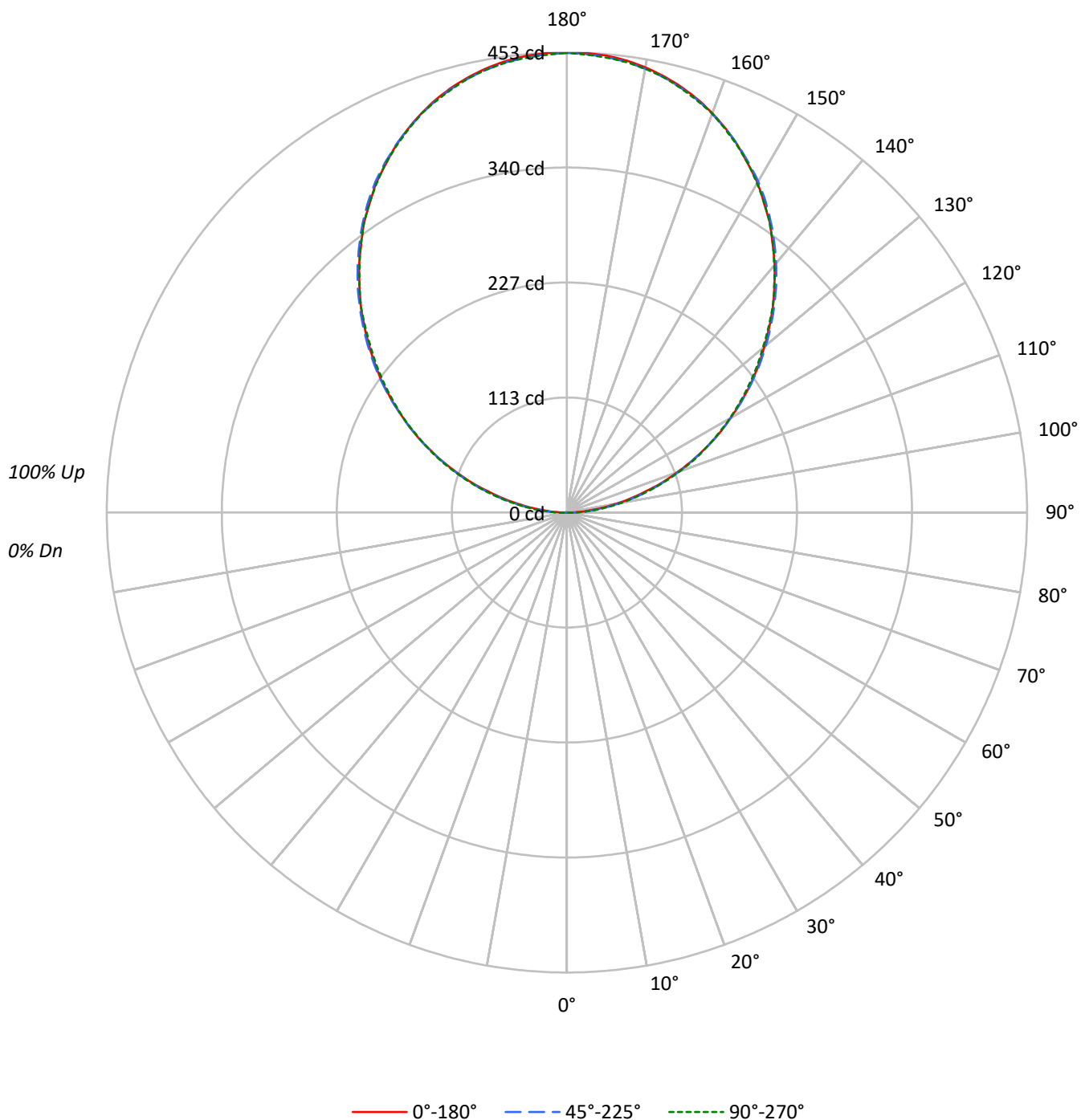
Lumens per Lamp: N/A
Luminaire Lumens: 1255.0 lumens
Efficiency: N/A
Efficacy: 134.9 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Indirect

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				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°	1.0	0.1
90°-100°	29.1	2.3
100°-110°	88.2	7.0
110°-120°	150.1	12.0
120°-130°	197.5	15.7
130°-140°	222.0	17.7
140°-150°	218.2	17.4
150°-160°	183.7	14.6
160°-170°	122.3	9.7
170°-180°	42.8	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°	267.5	21.3
90°-150°	905.2	72.1
90°-180°	1254.0	99.9
0°-180°	1255.0	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	2
95°	21	24	26	28	28	23
105°	80	81	84	84	85	86
115°	151	152	152	152	152	150
125°	221	222	222	220	219	197
135°	287	289	289	287	287	221
145°	348	349	350	350	348	217
155°	398	398	399	400	398	183
165°	434	433	433	435	433	122
175°	452	450	450	452	450	43
180°	453	453	453	453	453	

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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°	10.7	12.8	14.9	16.0	15.3
95°	21.0	23.5	26.3	27.7	27.7
97.5°	34.5	36.3	38.4	40.2	39.8
100°	48.4	50.5	52.3	53.3	54.0
102.5°	64.4	65.4	67.9	69.0	68.6
105°	80.0	80.7	83.9	83.9	84.6
107.5°	98.5	98.8	100.3	101.3	101.0
110°	115.5	116.3	117.0	118.4	117.7

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	133.3	133.7	133.7	135.5	135.5
115°	151.1	152.2	151.5	151.8	151.5
117.5°	169.2	169.6	168.9	168.9	167.8
120°	185.9	188.1	186.3	185.9	185.2
122.5°	203.4	204.8	204.1	203.0	201.9
125°	221.1	222.2	221.5	220.1	218.7
127.5°	237.5	239.6	238.9	236.8	235.4
130°	253.8	256.7	255.6	254.2	251.7
132.5°	270.2	273.0	272.3	270.6	268.8
135°	286.9	289.0	288.7	287.3	286.6
137.5°	302.2	304.0	305.0	303.3	302.2
140°	318.2	320.0	320.3	320.0	317.5
142.5°	332.8	334.6	335.3	334.9	333.1
145°	348.1	348.8	349.8	349.5	348.1
147.5°	361.2	362.6	363.7	363.7	361.6
150°	375.1	375.8	376.5	376.5	374.4
152.5°	386.5	387.5	387.9	388.6	386.8
155°	398.5	398.5	398.9	400.3	397.8
157.5°	408.9	408.5	408.9	410.3	408.1
160°	418.5	417.7	417.7	419.5	418.1
162.5°	427.0	425.9	426.3	428.1	425.6
165°	434.1	433.0	433.0	435.2	432.7
167.5°	440.1	438.7	439.1	441.2	439.1
170°	445.1	443.7	443.7	446.2	443.7
172.5°	449.0	447.6	447.6	449.7	447.3
175°	451.5	450.1	450.1	452.2	449.7
177.5°	452.9	451.5	451.5	453.7	451.2
180°	452.6	452.6	452.6	452.6	452.6

(END OF REPORT)