

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: P1007856

Luminaire Tested: S125IP-B375UB50-4F0-XX-W2A-1

Issue Date: 5/5/2025

Test Information

Test Method: LM-79-2019
Report Number: P1007856
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11)
Test Lab: INNOVATION CENTER
Issue Date: 5/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S125IP-B375UB50-4F0-XX-W2A-1
Description: Define 5 Indirect Pendant with 5000K BioUP LEDs {m-DER=1.015} {m-EER=1.115}
Light Source: -
Ballast/Driver: -

Summary

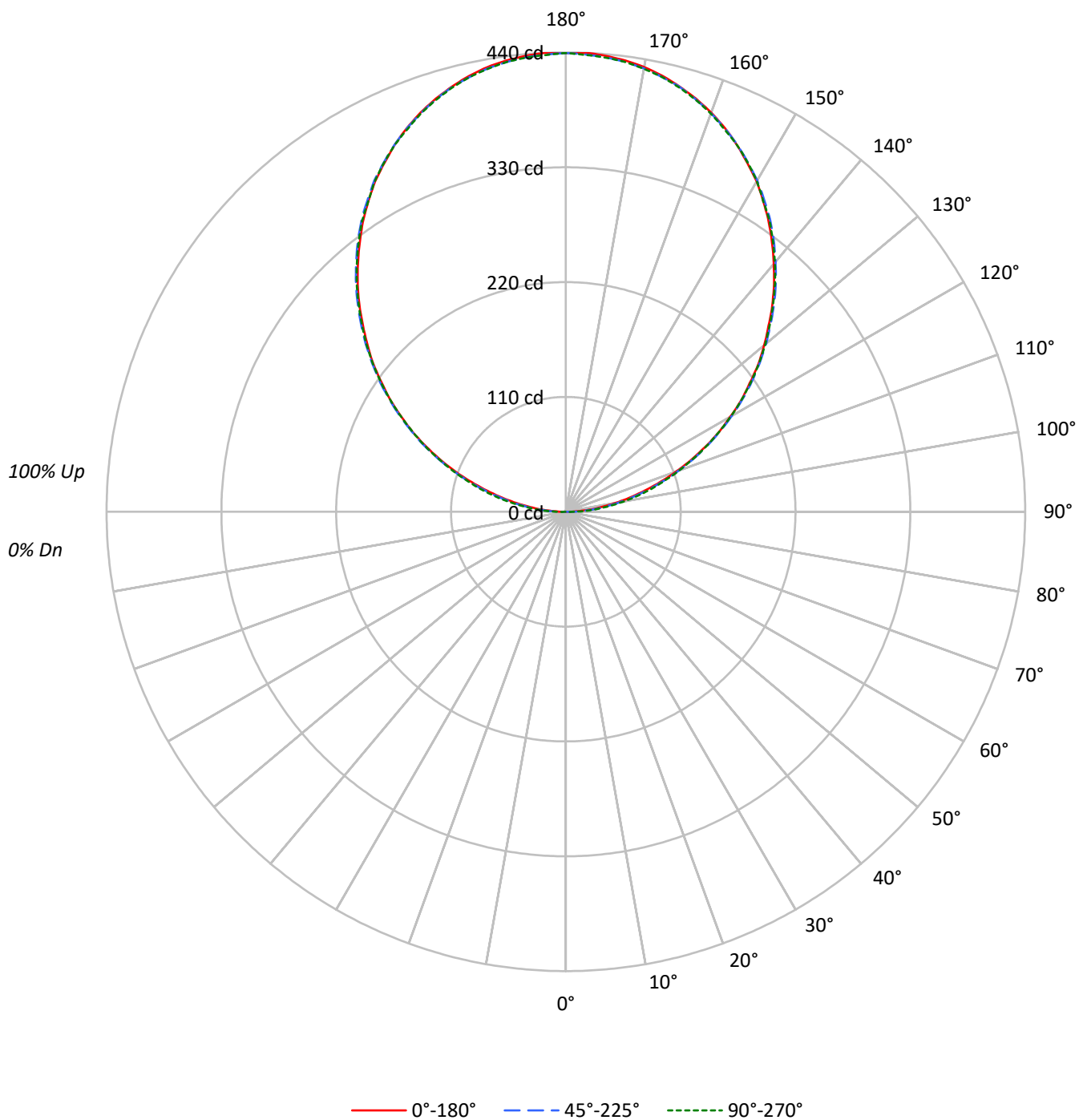
Lumens per Lamp: N/A
Luminaire Lumens: 1227.0 lumens
Efficiency: N/A
Efficacy: 131.9 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

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°	0.7	0.1
90°-100°	29.2	2.4
100°-110°	86.8	7.1
110°-120°	147.2	12.0
120°-130°	193.8	15.8
130°-140°	217.2	17.7
140°-150°	212.9	17.3
150°-160°	178.8	14.6
160°-170°	118.9	9.7
170°-180°	41.6	3.4
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	0.7	0.1
90°-120°	263.2	21.5
90°-150°	887.1	72.3
90°-180°	1226.0	99.9
0°-180°	1227.0	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	3	6	7	8	1
95°	22	23	26	29	29	23
105°	78	80	82	84	85	83
115°	147	149	149	149	149	146
125°	215	217	218	217	216	193
135°	280	282	282	282	281	216
145°	339	340	341	341	340	212
155°	388	388	388	390	388	179
165°	422	421	421	423	421	119
175°	438	437	437	439	437	42
180°	439	439	439	439	439	

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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°	0.3	3.1	5.5	7.2	8.2
92.5°	10.3	12.0	15.0	17.4	18.1
95°	22.2	22.9	26.3	28.7	29.4
97.5°	34.2	34.5	39.3	41.4	41.7
100°	47.9	47.9	52.3	55.4	56.1
102.5°	62.6	64.3	66.0	69.4	70.4
105°	78.0	79.7	81.7	83.8	84.8
107.5°	94.7	96.4	98.1	99.2	99.2
110°	112.2	113.9	114.9	115.9	115.6

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	129.9	130.6	132.0	132.3	131.6
115°	147.4	148.7	149.4	149.1	148.7
117.5°	165.2	165.5	166.2	166.5	165.2
120°	181.6	183.3	183.6	183.6	182.3
122.5°	199.4	199.7	200.7	200.4	199.4
125°	215.1	217.1	217.5	216.8	216.4
127.5°	232.5	233.5	233.9	233.5	232.9
130°	247.9	249.6	250.3	250.0	249.3
132.5°	263.3	266.4	266.0	265.7	264.7
135°	279.7	281.8	282.1	282.1	280.7
137.5°	295.1	297.1	297.8	298.2	296.5
140°	309.8	311.5	312.5	313.2	311.5
142.5°	324.5	325.9	327.2	327.6	325.9
145°	338.9	340.2	341.3	341.3	340.2
147.5°	352.2	353.2	353.9	354.9	352.2
150°	365.5	365.2	366.6	366.6	365.9
152.5°	376.5	377.2	377.5	378.5	377.2
155°	387.8	387.8	388.1	389.5	387.8
157.5°	398.0	397.3	397.7	399.0	396.7
160°	406.9	405.9	406.2	407.6	405.9
162.5°	414.8	414.1	414.1	415.8	413.7
165°	421.6	420.9	421.3	422.6	420.6
167.5°	427.8	426.4	426.4	428.5	426.4
170°	432.6	431.2	431.2	433.2	430.8
172.5°	436.0	434.6	434.6	436.7	434.6
175°	438.4	437.0	437.0	439.1	436.7
177.5°	440.1	438.7	438.4	440.4	438.0
180°	439.4	439.4	439.4	439.4	439.4

(END OF REPORT)