

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: P1007852

Luminaire Tested: S125IP-B375UB35-4F0-XX-W2A

Issue Date: 5/5/2025

Test Information

Test Method: LM-79-2019
Report Number: P1007852
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7)
Test Lab: INNOVATION CENTER
Issue Date: 5/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S125IP-B375UB35-4F0-XX-W2A
Description: Define 5 Indirect Pendant with 3500K BioUP LEDs {m-DER=0.721} {m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

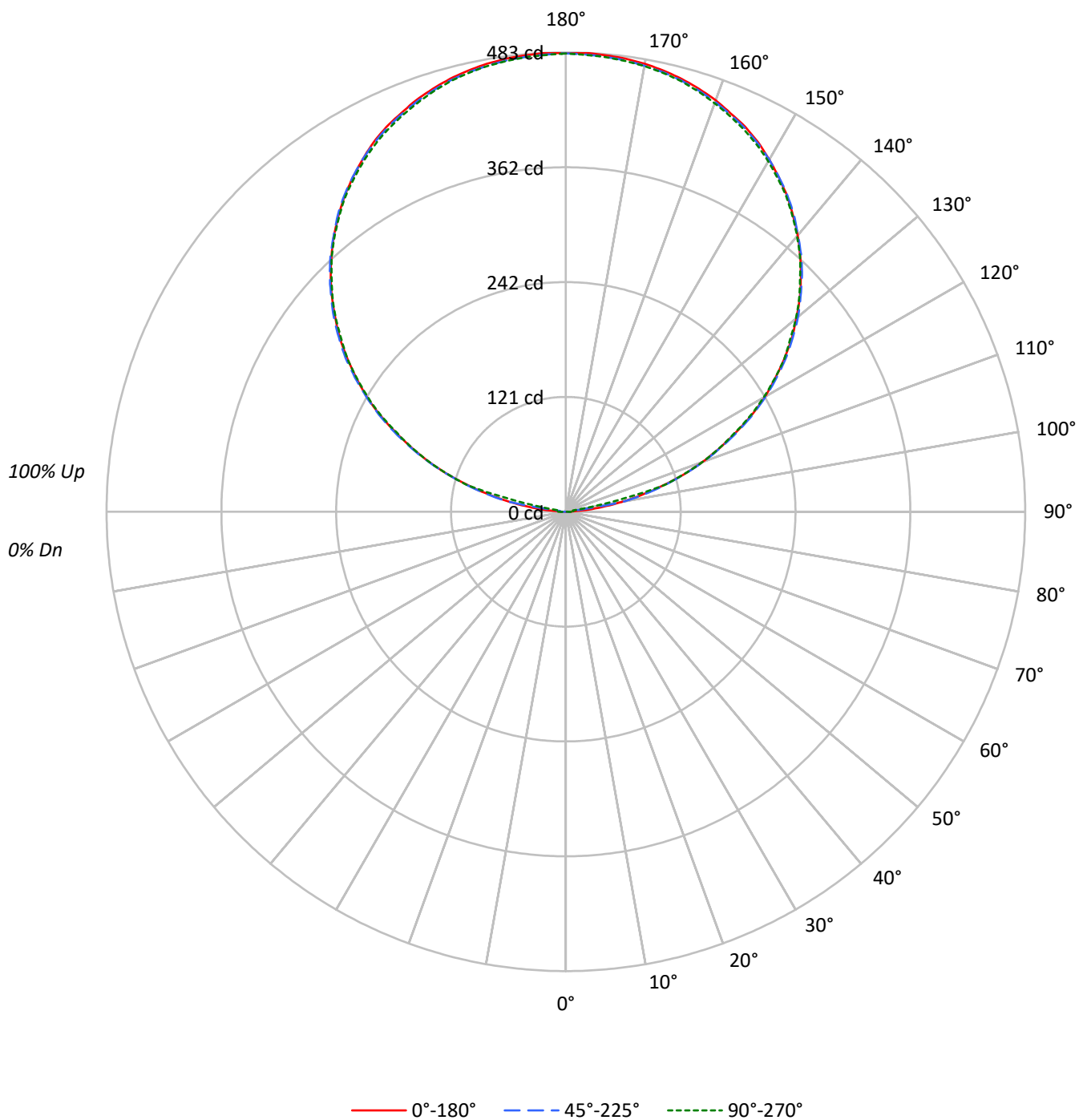
Lumens per Lamp: N/A
Luminaire Lumens: 1481.0 lumens
Efficiency: N/A
Efficacy: 159.2 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

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	0.0
90°-100°	16.4	1.1
100°-110°	108.8	7.3
110°-120°	195.8	13.2
120°-130°	251.4	17.0
130°-140°	270.4	18.3
140°-150°	253.8	17.1
150°-160°	205.3	13.9
160°-170°	132.7	9.0
170°-180°	45.8	3.1
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	0.7	0.0
90°-120°	321.0	21.7
90°-150°	1096.5	74.0
90°-180°	1480.0	99.9
0°-180°	1481.0	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	8	9	1
95°	20	19	6	8	8	25
105°	105	106	106	106	106	111
115°	197	199	199	198	196	195
125°	280	283	283	282	280	251
135°	350	352	351	350	348	270
145°	406	406	406	406	404	254
155°	446	444	445	446	443	206
165°	471	469	469	472	469	133
175°	482	480	480	483	480	46
180°	482	482	482	482	482	

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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	3.2	5.7	7.5	8.6
92.5°	6.8	3.6	5.7	7.5	7.9
95°	20.4	19.3	5.7	7.5	7.5
97.5°	38.2	40.4	6.4	7.1	7.5
100°	59.7	60.7	62.2	8.9	7.5
102.5°	81.4	82.9	83.6	84.3	54.3
105°	105.0	106.5	106.5	106.5	106.1
107.5°	129.3	129.3	130.0	130.4	129.0
110°	152.9	152.9	153.6	152.5	152.9

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	175.0	176.1	176.5	175.0	174.3
115°	197.2	199.0	199.3	197.9	195.8
117.5°	220.4	220.4	221.8	219.7	219.0
120°	241.8	241.5	242.6	241.8	240.1
122.5°	260.8	262.6	262.9	262.2	260.1
125°	280.4	282.9	282.9	281.5	280.4
127.5°	299.4	301.1	300.8	300.1	297.2
130°	316.5	318.3	318.6	317.6	315.8
132.5°	333.6	335.8	334.7	334.7	332.9
135°	349.7	351.9	351.2	350.4	348.3
137.5°	364.7	366.9	366.2	366.2	364.4
140°	379.4	380.1	379.7	380.4	378.3
142.5°	392.6	392.9	393.7	393.7	391.5
145°	405.5	406.2	406.2	406.5	404.4
147.5°	416.9	416.9	417.2	417.6	415.1
150°	427.6	426.9	427.6	428.3	425.5
152.5°	438.0	436.2	436.9	437.6	435.1
155°	446.5	444.4	445.1	446.2	443.3
157.5°	453.3	452.2	452.2	453.3	450.5
160°	460.5	458.3	458.7	460.1	457.2
162.5°	466.2	464.0	464.4	466.5	463.3
165°	471.2	469.0	469.4	471.5	468.7
167.5°	475.1	473.0	473.3	475.8	472.6
170°	478.3	475.8	476.2	479.0	475.8
172.5°	480.5	478.0	478.7	481.2	478.0
175°	481.9	479.8	480.1	483.0	479.8
177.5°	483.0	480.8	481.2	483.7	480.8
180°	481.9	481.9	481.9	481.9	481.9

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