

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: P1007858

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

Issue Date: 5/5/2025

Test Information

Test Method: LM-79-2019
Report Number: P1007858
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-B375UB50-4F0-XX-W2A
Description: Define 5 Indirect Pendant with 5000K BioUP LEDs {m-DER=1.015} {m-EER=1.115}
Light Source: -
Ballast/Driver: -

Summary

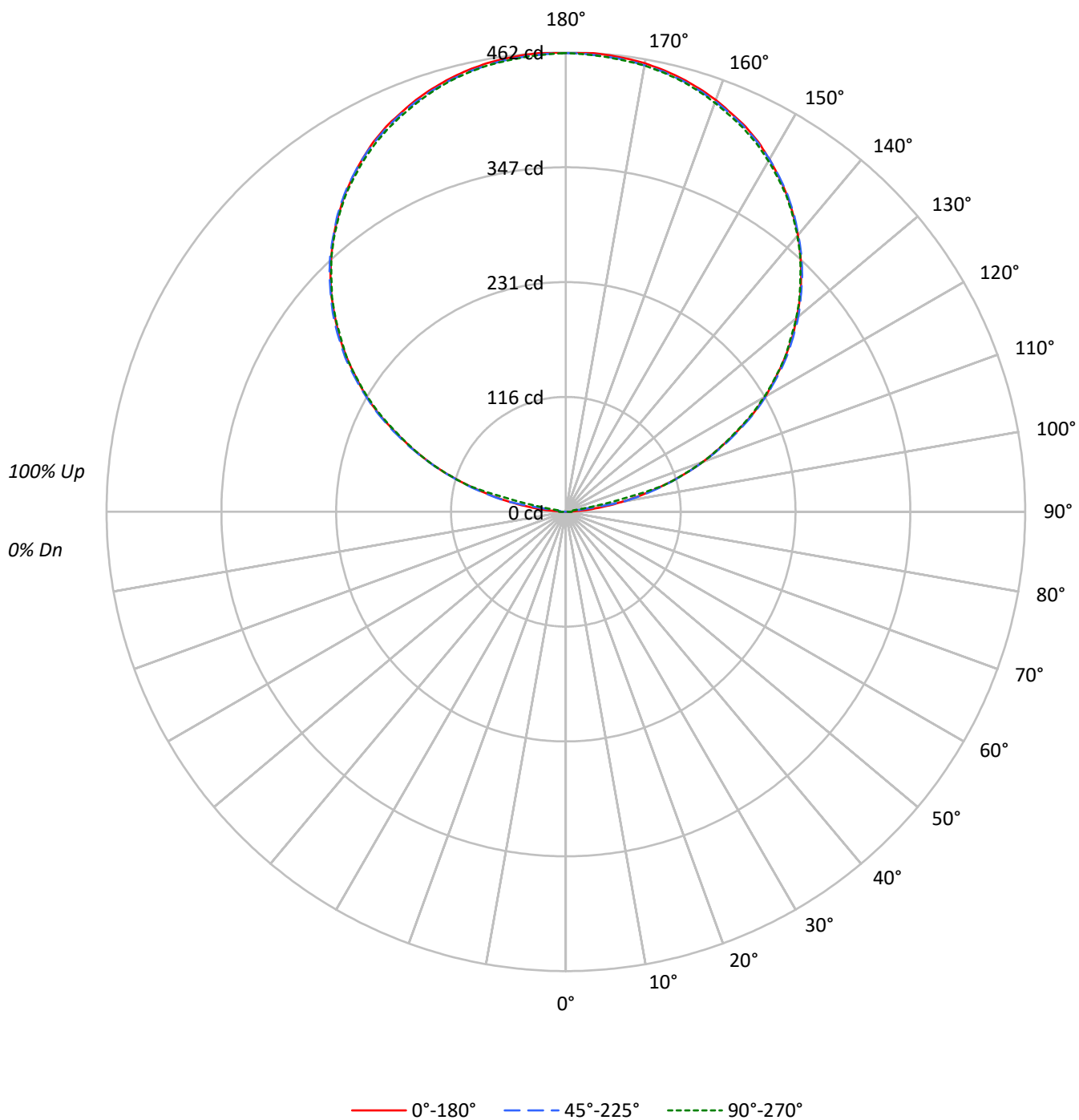
Lumens per Lamp: N/A
Luminaire Lumens: 1418.0 lumens
Efficiency: N/A
Efficacy: 152.5 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

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

TEST NUMBER: P1007858

CATALOG NUMBER: S125IP-B375UB50-4F0-XX-W2A

Luminous Intensity Polar Plot





TEST NUMBER: P1007858

CATALOG NUMBER: S125IP-B375UB50-4F0-XX-W2A

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

TEST NUMBER: P1007858

CATALOG NUMBER: S125IP-B375UB50-4F0-XX-W2A

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°	15.7	1.1
100°-110°	104.1	7.3
110°-120°	187.5	13.2
120°-130°	240.7	17.0
130°-140°	258.9	18.3
140°-150°	243.0	17.1
150°-160°	196.5	13.9
160°-170°	127.1	9.0
170°-180°	43.8	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°	307.3	21.7
90°-150°	1049.8	74.0
90°-180°	1417.0	99.9
0°-180°	1418.0	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°	20	18	6	7	7	24
105°	101	102	102	102	102	107
115°	189	190	191	190	187	187
125°	268	271	271	270	268	240
135°	335	337	336	336	334	258
145°	388	389	389	389	387	243
155°	428	426	426	427	424	197
165°	451	449	449	452	449	127
175°	461	459	460	462	459	44
180°	461	461	461	461	461	

TEST NUMBER: P1007858

CATALOG NUMBER: S125IP-B375UB50-4F0-XX-W2A

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°	6.5	3.4	5.5	7.2	7.5
95°	19.5	18.5	5.5	7.2	7.2
97.5°	36.6	38.6	6.2	6.8	7.2
100°	57.1	58.1	59.5	8.6	7.2
102.5°	78.0	79.4	80.0	80.7	52.0
105°	100.6	101.9	101.9	101.9	101.6
107.5°	123.8	123.8	124.5	124.8	123.5
110°	146.4	146.4	147.1	146.0	146.4

TEST NUMBER: P1007858

CATALOG NUMBER: S125IP-B375UB50-4F0-XX-W2A

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	167.6	168.6	169.0	167.6	166.9
115°	188.8	190.5	190.9	189.5	187.4
117.5°	211.0	211.0	212.4	210.3	209.7
120°	231.6	231.2	232.2	231.6	229.8
122.5°	249.7	251.4	251.7	251.0	249.0
125°	268.5	270.9	270.9	269.5	268.5
127.5°	286.6	288.3	288.0	287.3	284.6
130°	303.0	304.7	305.1	304.1	302.4
132.5°	319.5	321.5	320.5	320.5	318.8
135°	334.8	336.9	336.2	335.5	333.5
137.5°	349.2	351.3	350.6	350.6	348.9
140°	363.2	363.9	363.6	364.3	362.2
142.5°	375.9	376.2	376.9	376.9	374.9
145°	388.2	388.9	388.9	389.2	387.2
147.5°	399.1	399.1	399.5	399.8	397.4
150°	409.4	408.7	409.4	410.1	407.4
152.5°	419.3	417.6	418.3	419.0	416.6
155°	427.5	425.5	426.2	427.2	424.5
157.5°	434.0	433.0	433.0	434.0	431.3
160°	440.9	438.8	439.2	440.5	437.8
162.5°	446.3	444.3	444.6	446.7	443.6
165°	451.1	449.1	449.4	451.5	448.7
167.5°	454.9	452.8	453.2	455.6	452.5
170°	458.0	455.6	455.9	458.7	455.6
172.5°	460.0	457.6	458.3	460.7	457.6
175°	461.4	459.3	459.7	462.4	459.3
177.5°	462.4	460.4	460.7	463.1	460.4
180°	461.4	461.4	461.4	461.4	461.4

(END OF REPORT)