

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: P1007793

Luminaire Tested: S125IP-B1090UB40-4F0-XX-W2A-1

Issue Date: 5/5/2025

Test Information

Test Method: LM-79-2019
Report Number: P1007793
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-B1090UB40-4F0-XX-W2A-1
Description: Define 5 Indirect Pendant with 4000K BioUP LEDs {m-DER=0.865} {m-EER=0.951}
Light Source: -
Ballast/Driver: -

Summary

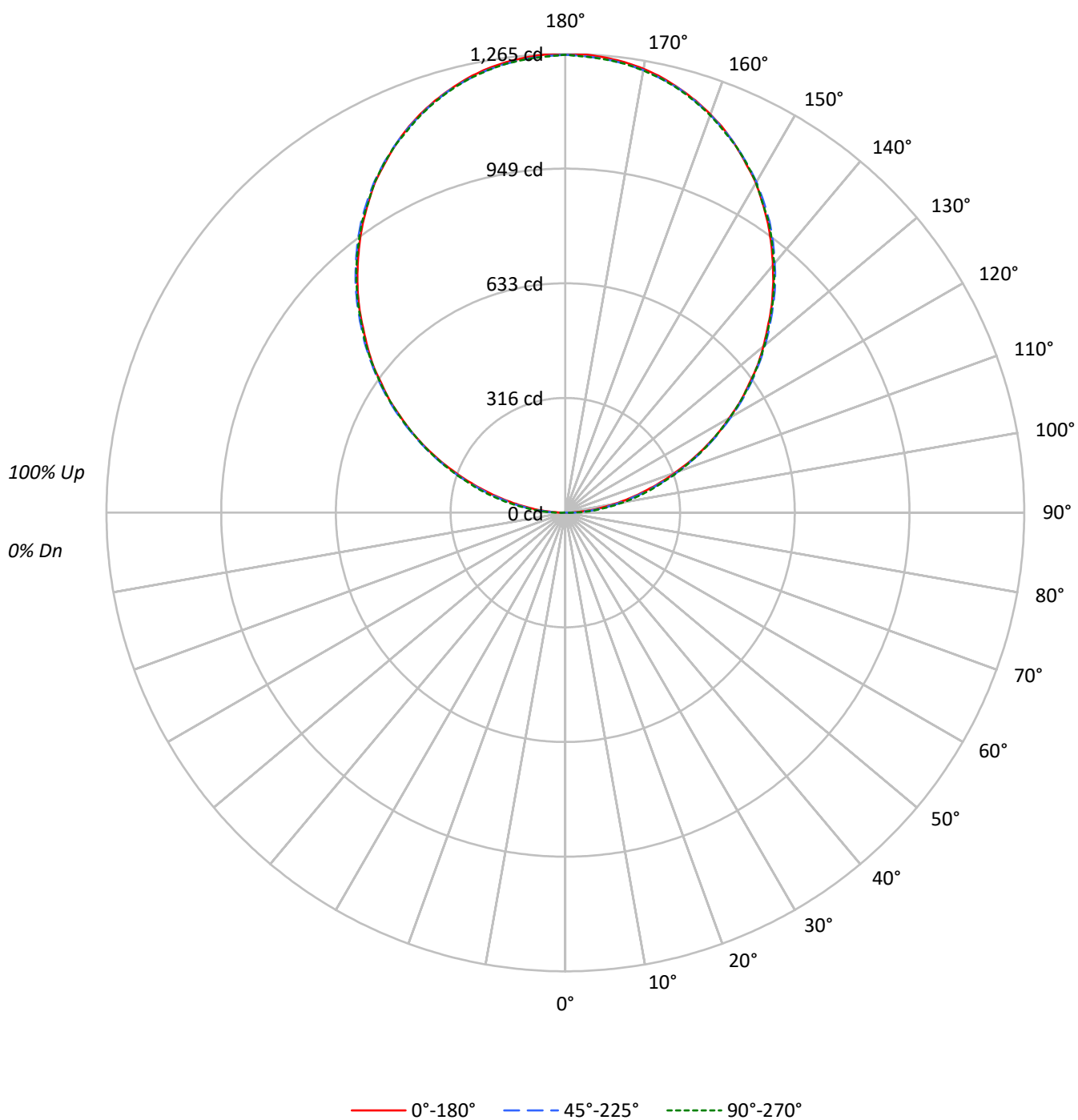
Lumens per Lamp: N/A
Luminaire Lumens: 3526.0 lumens
Efficiency: N/A
Efficacy: 123.7 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

Input Watts (W): 28.5
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°	2.0	0.1
90°-100°	84.0	2.4
100°-110°	249.4	7.1
110°-120°	423.0	12.0
120°-130°	556.9	15.8
130°-140°	624.1	17.7
140°-150°	611.7	17.3
150°-160°	513.8	14.6
160°-170°	341.6	9.7
170°-180°	119.5	3.4
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	2.0	0.1
90°-120°	756.4	21.5
90°-150°	2549.1	72.3
90°-180°	3524.0	99.9
0°-180°	3526.0	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°	1	9	16	21	24	4
95°	64	66	76	82	84	67
105°	224	229	235	241	244	239
115°	424	427	429	428	427	419
125°	618	624	625	623	622	554
135°	804	810	811	811	807	620
145°	974	978	981	981	978	609
155°	1114	1114	1115	1119	1114	513
165°	1212	1210	1211	1214	1209	342
175°	1260	1256	1256	1262	1255	120
180°	1263	1263	1263	1263	1263	

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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°	1.0	8.8	15.7	20.6	23.6
92.5°	29.5	34.4	43.2	50.1	52.1
95°	63.9	65.8	75.7	82.5	84.5
97.5°	98.3	99.2	113.0	118.9	119.9
100°	137.6	137.6	150.3	159.2	161.2
102.5°	179.8	184.7	189.6	199.5	202.4
105°	224.0	229.0	234.8	240.7	243.7
107.5°	272.2	277.1	282.0	285.0	285.0
110°	322.3	327.2	330.2	333.1	332.1

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	373.4	375.4	379.3	380.3	378.3
115°	423.5	427.4	429.4	428.4	427.4
117.5°	474.6	475.6	477.6	478.5	474.6
120°	521.8	526.7	527.7	527.7	523.7
122.5°	572.9	573.9	576.8	575.8	572.9
125°	618.1	624.0	625.0	623.0	622.0
127.5°	668.2	671.1	672.1	671.1	669.2
130°	712.4	717.3	719.3	718.3	716.3
132.5°	756.6	765.5	764.5	763.5	760.6
135°	803.8	809.7	810.7	810.7	806.7
137.5°	848.0	853.9	855.9	856.9	851.9
140°	890.3	895.2	898.1	900.1	895.2
142.5°	932.5	936.4	940.4	941.4	936.4
145°	973.8	977.7	980.7	980.7	977.7
147.5°	1012.1	1015.1	1017.0	1020.0	1012.1
150°	1050.4	1049.4	1053.4	1053.4	1051.4
152.5°	1081.9	1083.8	1084.8	1087.8	1083.8
155°	1114.3	1114.3	1115.3	1119.2	1114.3
157.5°	1143.8	1141.8	1142.8	1146.7	1139.9
160°	1169.3	1166.4	1167.4	1171.3	1166.4
162.5°	1191.9	1190.0	1190.0	1194.9	1189.0
165°	1211.6	1209.6	1210.6	1214.5	1208.6
167.5°	1229.3	1225.3	1225.3	1231.2	1225.3
170°	1243.0	1239.1	1239.1	1245.0	1238.1
172.5°	1252.9	1248.9	1248.9	1254.8	1248.9
175°	1259.7	1255.8	1255.8	1261.7	1254.8
177.5°	1264.6	1260.7	1259.7	1265.6	1258.7
180°	1262.7	1262.7	1262.7	1262.7	1262.7

(END OF REPORT)