

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: NEO-RAY

Report Number: P334558

Luminaire Tested: **S122IP-S925U840-4F0-1E-UDD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P334558
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122IP-S925U840-4F0-1E-UDD
Description: DEFINE 2 INDIRECT LED LUMINAIRE, NO LENS
PENDANT MOUNT, 925 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3739.0 lumens
Efficiency: N/A
Efficacy: 106.5 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Indirect

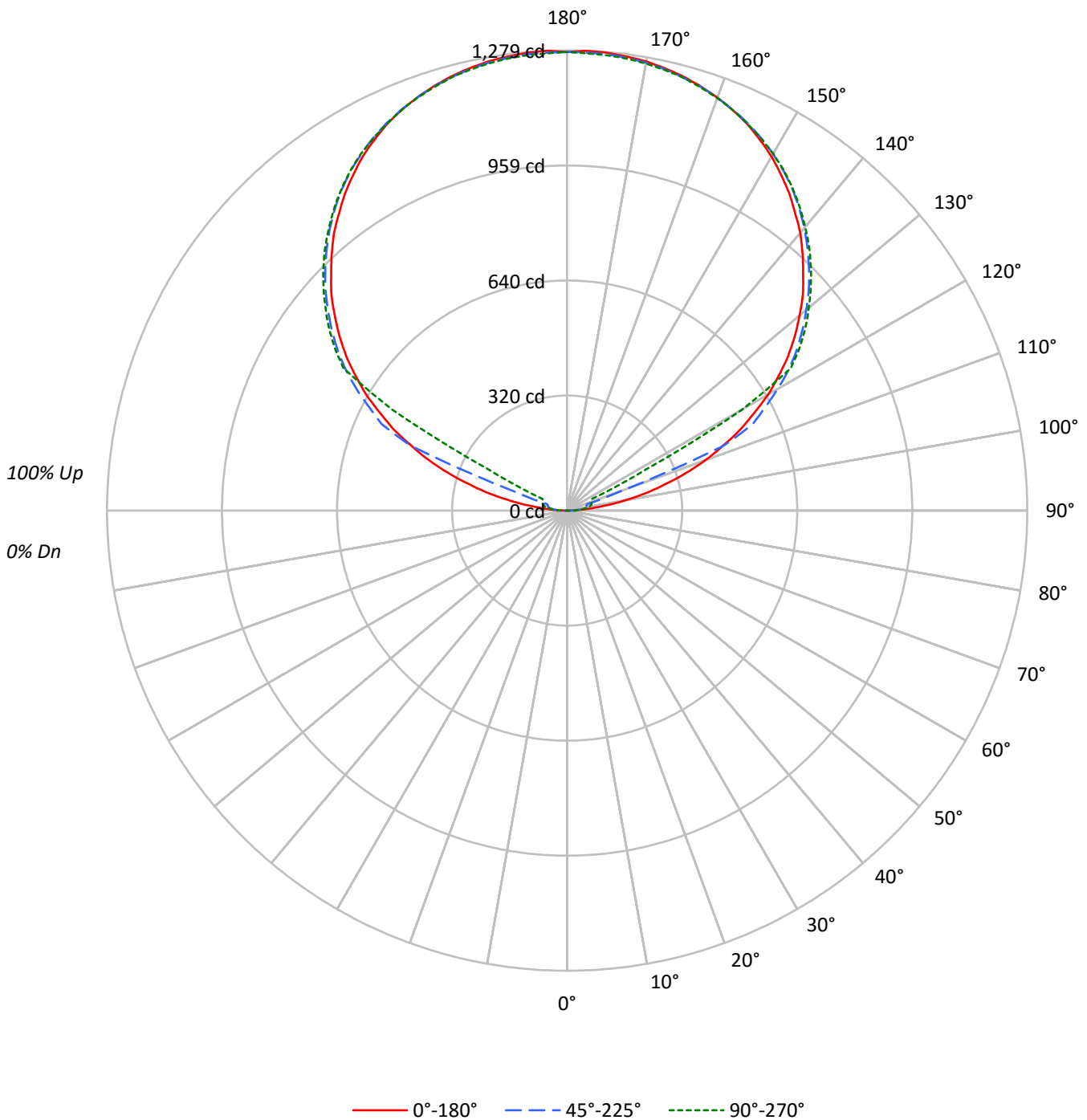
Input Watts (W): 35.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P334558

CATALOG NUMBER: S122IP-S925U840-4F0-1E-UDD

Luminous Intensity Polar Plot





TEST NUMBER: P334558

CATALOG NUMBER: S122IP-S925U840-4F0-1E-UDD

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	0
RCR																		
0	95	95	95	95	81	81	81	81	56	56	56	32	32	32	10	10	10	0
1	87	83	79	76	74	71	68	65	48	47	45	28	27	26	9	9	8	0
2	79	72	66	62	67	62	57	53	42	40	37	24	23	22	8	7	7	0
3	72	63	56	51	61	54	49	44	37	34	31	21	20	18	7	6	6	0
4	65	56	48	43	56	48	42	37	33	29	26	19	17	16	6	6	5	0
5	60	49	42	36	51	42	36	32	29	25	22	17	15	13	5	5	4	0
6	55	44	36	31	47	38	32	27	26	22	19	15	13	11	5	4	4	0
7	50	39	32	27	43	34	28	23	23	19	17	14	11	10	4	4	3	0
8	47	35	28	23	40	30	24	20	21	17	14	12	10	9	4	3	3	0
9	43	32	25	20	37	27	22	18	19	15	13	11	9	8	4	3	3	0
10	40	29	22	18	34	25	19	16	17	14	11	10	8	7	3	3	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



TEST NUMBER: P334558

CATALOG NUMBER: S122IP-S925U840-4F0-1E-UDD

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°	2.2	0.1
90°-100°	42.0	1.1
100°-110°	156.7	4.2
110°-120°	415.5	11.1
120°-130°	689.2	18.4
130°-140°	732.1	19.6
140°-150°	680.4	18.2
150°-160°	547.0	14.6
160°-170°	352.5	9.4
170°-180°	121.3	3.2
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	2.2	0.1
90°-120°	614.3	16.4
90°-150°	2715.9	72.6
90°-180°	3737.0	99.9
0°-180°	3739.0	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	11	18	23	25	3
95°	60	30	36	41	40	71
105°	280	308	56	66	70	300
115°	530	546	569	142	76	522
125°	750	762	779	786	789	669
135°	928	943	951	960	958	717
145°	1076	1075	1091	1098	1093	673
155°	1185	1177	1188	1194	1186	546
165°	1249	1243	1246	1252	1246	353
175°	1277	1271	1273	1279	1270	122
180°	1275	1275	1275	1275	1275	



TEST NUMBER: P334558

CATALOG NUMBER: S122IP-S925U840-4F0-1E-UDD

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°	0.9	11.1	18.4	23.1	24.9
92.5°	23.1	19.4	22.1	24.0	24.9
95°	59.9	29.5	36.0	40.6	39.7
97.5°	107.9	32.3	47.0	49.8	50.7
100°	163.2	36.9	52.6	59.9	61.8
102.5°	224.1	222.3	54.4	64.6	67.3
105°	280.4	308.0	56.3	66.4	70.1
107.5°	345.9	368.9	58.1	68.3	71.9
110°	408.6	427.9	161.4	69.2	72.9



TEST NUMBER: P334558

CATALOG NUMBER: S122IP-S925U840-4F0-1E-UDD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	467.6	484.2	468.5	71.0	73.8
115°	530.3	546.0	569.1	142.0	75.6
117.5°	584.7	603.2	618.9	487.0	245.3
120°	645.6	659.4	676.0	687.1	562.6
122.5°	697.3	712.0	730.5	736.0	736.9
125°	749.8	761.8	779.3	785.8	788.6
127.5°	797.8	810.7	824.5	833.8	834.7
130°	843.0	857.7	867.9	878.0	877.1
132.5°	889.1	901.1	911.2	919.5	918.6
135°	927.8	942.6	950.9	960.1	958.3
137.5°	968.4	979.5	988.7	997.9	995.2
140°	1008.1	1015.5	1025.6	1033.9	1029.3
142.5°	1041.3	1047.7	1059.7	1067.1	1062.5
145°	1076.3	1075.4	1091.1	1097.5	1092.9
147.5°	1106.8	1104.0	1119.7	1124.3	1120.6
150°	1136.3	1129.8	1144.6	1150.1	1145.5
152.5°	1161.2	1153.8	1167.6	1173.2	1166.7
155°	1185.2	1176.9	1187.9	1193.5	1186.1
157.5°	1204.5	1197.1	1205.5	1211.9	1204.5
160°	1221.1	1215.6	1221.1	1226.7	1220.2
162.5°	1235.9	1230.4	1235.0	1241.4	1233.1
165°	1248.8	1243.3	1246.0	1252.5	1246.0
167.5°	1258.9	1253.4	1256.2	1262.6	1254.3
170°	1267.2	1261.7	1263.6	1270.0	1261.7
172.5°	1272.8	1267.2	1269.1	1275.5	1267.2
175°	1277.4	1270.9	1272.8	1279.2	1270.0
177.5°	1279.2	1272.8	1273.7	1280.2	1271.9
180°	1274.6	1274.6	1274.6	1274.6	1274.6

(END OF REPORT)