

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: P334563

Luminaire Tested: **S122IP-S925U927-4F0-1E-UDD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P334563
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-S925U927-4F0-1E-UDD
Description: DEFINE 2 INDIRECT LED LUMINAIRE, NO LENS
PENDANT MOUNT, 925 LUMENS PER FOOT
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2933.0 lumens
Efficiency: N/A
Efficacy: 83.6 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Indirect

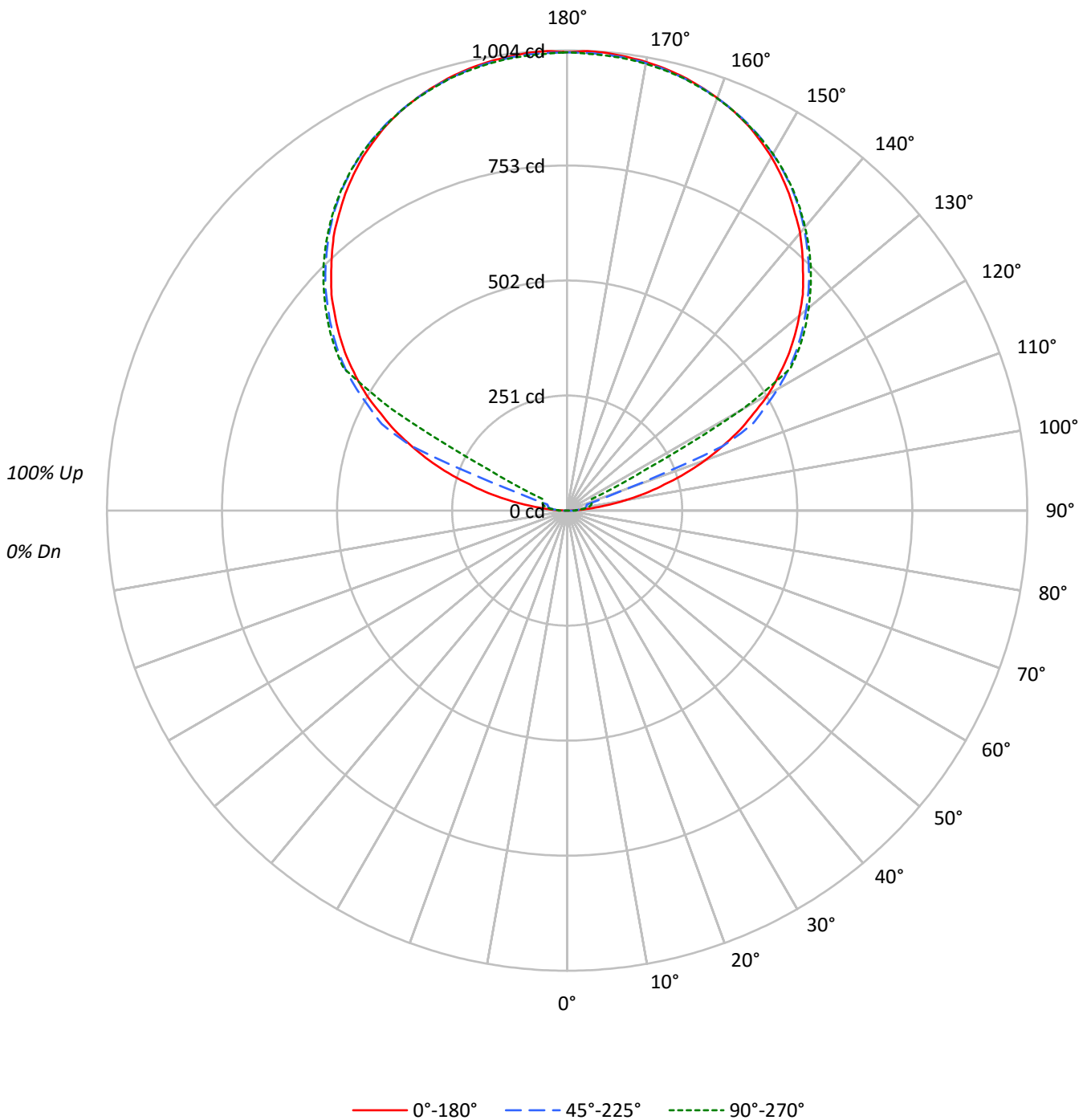
Input Watts (W): 35.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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



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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°	1.8	0.1
90°-100°	33.0	1.1
100°-110°	122.9	4.2
110°-120°	326.0	11.1
120°-130°	540.6	18.4
130°-140°	574.3	19.6
140°-150°	533.7	18.2
150°-160°	429.1	14.6
160°-170°	276.5	9.4
170°-180°	95.2	3.2
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	1.8	0.1
90°-120°	481.8	16.4
90°-150°	2130.5	72.6
90°-180°	2931.0	99.9
0°-180°	2933.0	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	14	18	20	3
95°	47	23	28	32	31	56
105°	220	242	44	52	55	235
115°	416	428	446	111	59	410
125°	588	598	611	616	619	525
135°	728	739	746	753	752	562
145°	844	844	856	861	857	528
155°	930	923	932	936	930	428
165°	980	975	977	982	977	277
175°	1002	997	998	1004	996	95
180°	1000	1000	1000	1000	1000	



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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°	0.7	8.7	14.5	18.1	19.5
92.5°	18.1	15.2	17.4	18.8	19.5
95°	47.0	23.2	28.2	31.8	31.1
97.5°	84.6	25.3	36.9	39.1	39.8
100°	128.1	28.9	41.2	47.0	48.5
102.5°	175.8	174.4	42.7	50.6	52.8
105°	219.9	241.6	44.1	52.1	55.0
107.5°	271.3	289.4	45.6	53.5	56.4
110°	320.5	335.7	126.6	54.3	57.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	366.8	379.8	367.5	55.7	57.9
115°	416.0	428.3	446.4	111.4	59.3
117.5°	458.7	473.2	485.5	382.0	192.4
120°	506.4	517.3	530.3	539.0	441.3
122.5°	547.0	558.5	573.0	577.3	578.1
125°	588.2	597.6	611.4	616.4	618.6
127.5°	625.8	636.0	646.8	654.0	654.8
130°	661.3	672.9	680.8	688.8	688.0
132.5°	697.4	706.9	714.8	721.3	720.6
135°	727.8	739.4	745.9	753.2	751.7
137.5°	759.7	768.4	775.6	782.8	780.7
140°	790.8	796.6	804.5	811.0	807.4
142.5°	816.8	821.9	831.3	837.1	833.5
145°	844.3	843.6	855.9	861.0	857.3
147.5°	868.2	866.0	878.3	881.9	879.0
150°	891.3	886.3	897.9	902.2	898.6
152.5°	910.9	905.1	915.9	920.3	915.2
155°	929.7	923.2	931.9	936.2	930.4
157.5°	944.9	939.1	945.6	950.7	944.9
160°	957.9	953.6	957.9	962.2	957.2
162.5°	969.5	965.1	968.8	973.8	967.3
165°	979.6	975.3	977.4	982.5	977.4
167.5°	987.6	983.2	985.4	990.5	984.0
170°	994.1	989.7	991.2	996.3	989.7
172.5°	998.4	994.1	995.5	1000.6	994.1
175°	1002.0	997.0	998.4	1003.5	996.3
177.5°	1003.5	998.4	999.1	1004.2	997.7
180°	999.9	999.9	999.9	999.9	999.9

(END OF REPORT)