

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: P334573

Luminaire Tested: **S122IP-S925U935-4F0-1E-UDD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P334573
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-S925U935-4F0-1E-UDD
Description: DEFINE 2 INDIRECT LED LUMINAIRE, NO LENS
PENDANT MOUNT, 925 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3187.8 lumens
Efficiency: N/A
Efficacy: 90.8 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Indirect

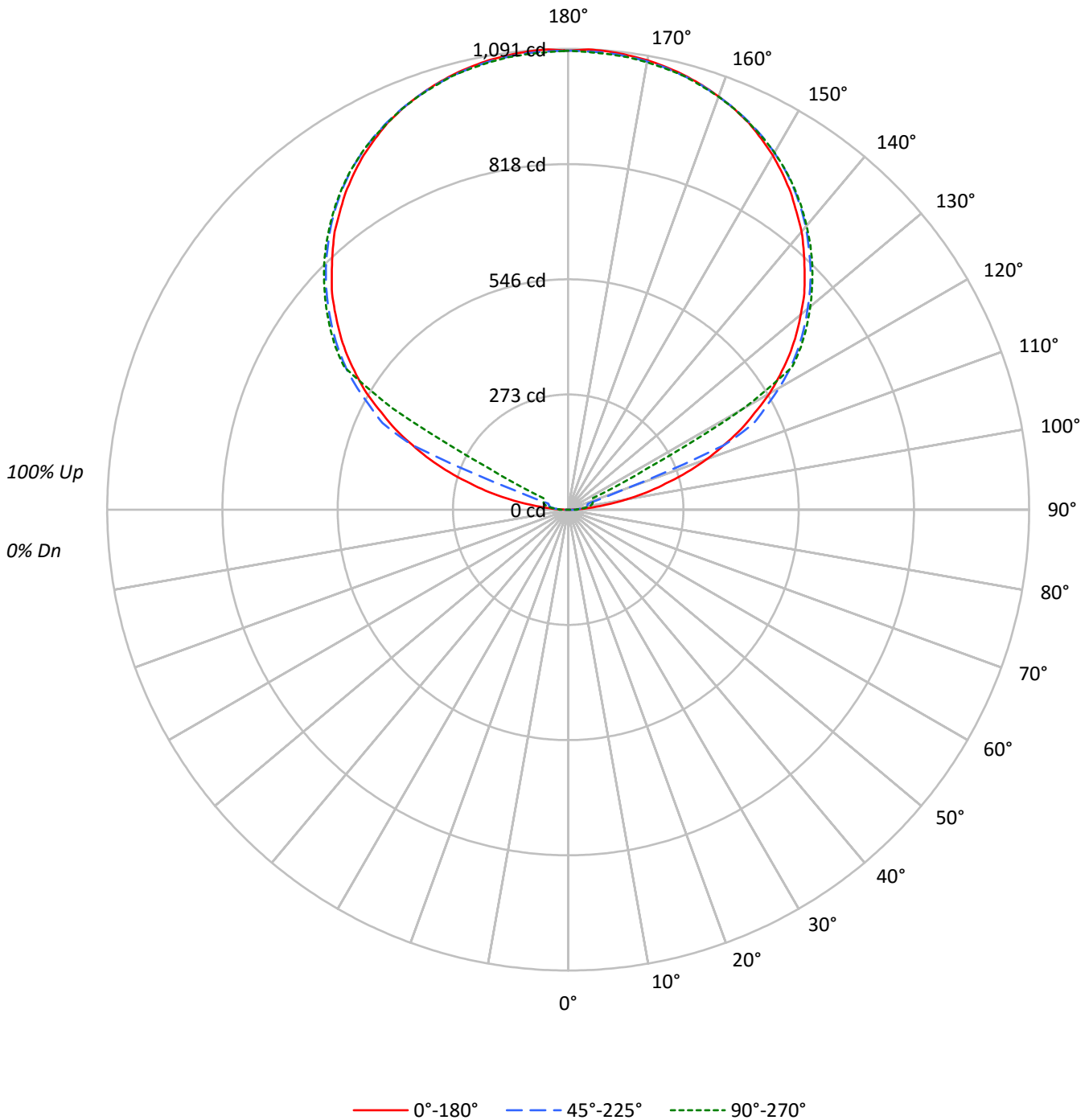
Input Watts (W): 35.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1.9	0.1
90°-100°	35.8	1.1
100°-110°	133.6	4.2
110°-120°	354.3	11.1
120°-130°	587.6	18.4
130°-140°	624.2	19.6
140°-150°	580.1	18.2
150°-160°	466.4	14.6
160°-170°	300.5	9.4
170°-180°	103.4	3.2
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	1.9	0.1
90°-120°	523.7	16.4
90°-150°	2315.6	72.6
90°-180°	3186.0	99.9
0°-180°	3187.8	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	20	21	3
95°	51	25	31	35	34	61
105°	239	263	48	57	60	255
115°	452	466	485	121	64	445
125°	639	650	664	670	672	570
135°	791	804	811	819	817	611
145°	918	917	930	936	932	574
155°	1010	1003	1013	1018	1011	466
165°	1065	1060	1062	1068	1062	301
175°	1089	1084	1085	1091	1083	104
180°	1087	1087	1087	1087	1087	



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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°	0.8	9.4	15.7	19.7	21.2
92.5°	19.7	16.5	18.9	20.4	21.2
95°	51.1	25.2	30.7	34.6	33.8
97.5°	92.0	27.5	40.1	42.5	43.2
100°	139.2	31.5	44.8	51.1	52.7
102.5°	191.1	189.5	46.4	55.0	57.4
105°	239.0	262.6	48.0	56.6	59.8
107.5°	294.9	314.5	49.5	58.2	61.3
110°	348.4	364.9	137.6	59.0	62.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	398.7	412.8	399.5	60.5	62.9
115°	452.1	465.5	485.2	121.1	64.5
117.5°	498.5	514.3	527.6	415.2	209.2
120°	550.4	562.2	576.4	585.8	479.7
122.5°	594.5	607.1	622.8	627.5	628.3
125°	639.3	649.5	664.5	670.0	672.3
127.5°	680.2	691.2	703.0	710.9	711.6
130°	718.7	731.3	740.0	748.6	747.8
132.5°	758.0	768.3	776.9	784.0	783.2
135°	791.1	803.6	810.7	818.6	817.0
137.5°	825.7	835.1	843.0	850.8	848.5
140°	859.5	865.8	874.4	881.5	877.6
142.5°	887.8	893.3	903.5	909.8	905.9
145°	917.7	916.9	930.2	935.8	931.8
147.5°	943.6	941.3	954.6	958.6	955.4
150°	968.8	963.3	975.9	980.6	976.6
152.5°	990.0	983.7	995.5	1000.2	994.7
155°	1010.5	1003.4	1012.8	1017.5	1011.2
157.5°	1027.0	1020.7	1027.8	1033.3	1027.0
160°	1041.1	1036.4	1041.1	1045.8	1040.3
162.5°	1053.7	1049.0	1052.9	1058.4	1051.3
165°	1064.7	1060.0	1062.4	1067.9	1062.4
167.5°	1073.4	1068.6	1071.0	1076.5	1069.4
170°	1080.4	1075.7	1077.3	1082.8	1075.7
172.5°	1085.2	1080.4	1082.0	1087.5	1080.4
175°	1089.1	1083.6	1085.2	1090.7	1082.8
177.5°	1090.7	1085.2	1085.9	1091.4	1084.4
180°	1086.7	1086.7	1086.7	1086.7	1086.7

(END OF REPORT)