

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: P334503

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P334503
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8)
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-1
Description: DEFINE 2 INDIRECT LED LUMINAIRE, FLUSH SATIN WHITE DIFFUSER
PENDANT MOUNT, 925 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

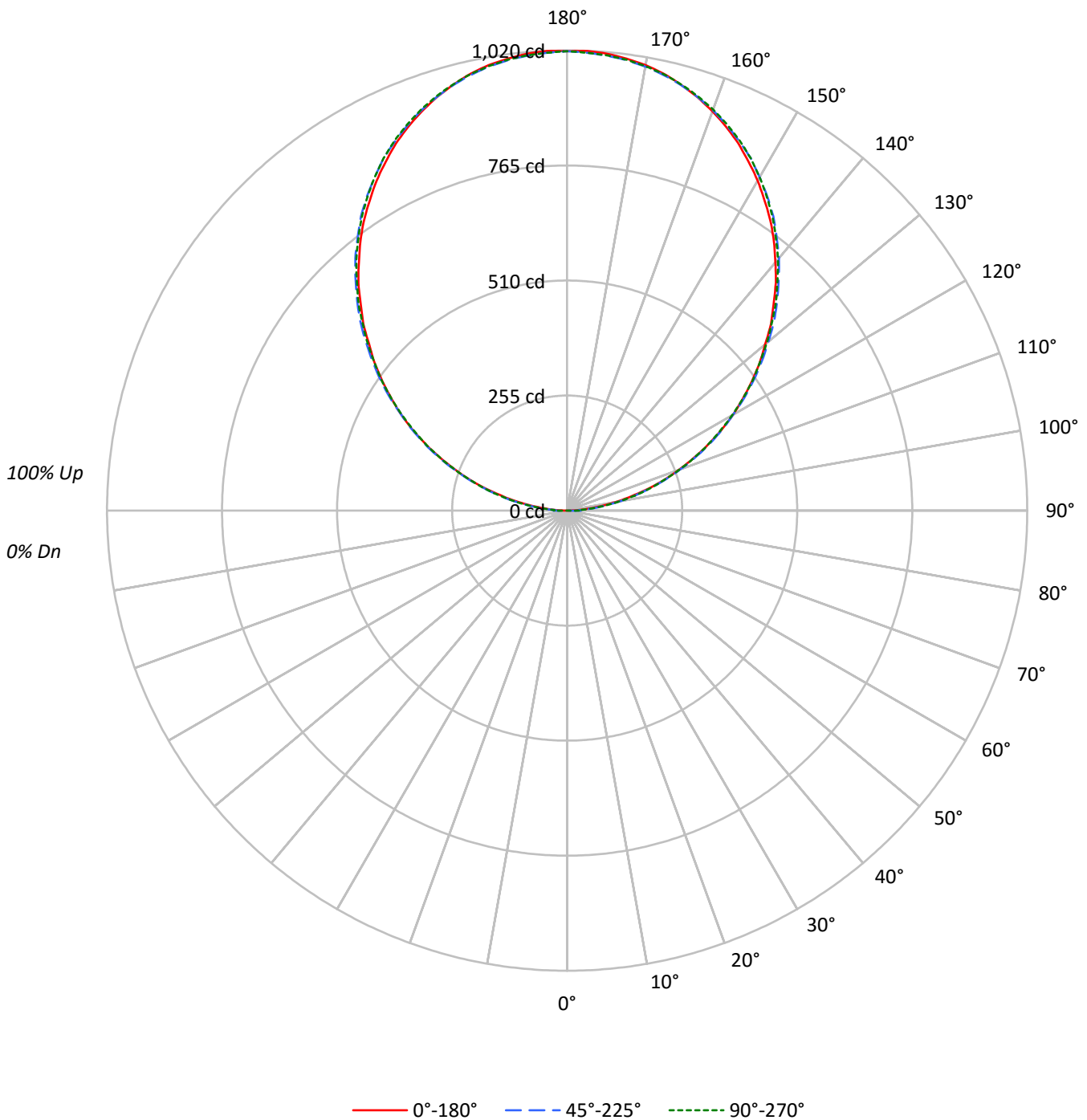
Lumens per Lamp: N/A
Luminaire Lumens: 2849.6 lumens
Efficiency: N/A
Efficacy: 81.2 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Indirect

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



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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°	2.9	0.1
90°-100°	63.0	2.2
100°-110°	200.2	7.0
110°-120°	342.6	12.0
120°-130°	450.6	15.8
130°-140°	505.8	17.7
140°-150°	496.0	17.4
150°-160°	416.1	14.6
160°-170°	275.9	9.7
170°-180°	96.4	3.4
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	2.9	0.1
90°-120°	605.9	21.3
90°-150°	2058.3	72.2
90°-180°	2847.0	99.9
0°-180°	2849.6	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	30	28	29	3
95°	45	53	55	55	53	50
105°	185	187	189	191	191	195
115°	344	349	347	346	344	340
125°	500	508	505	503	502	447
135°	647	656	658	657	655	500
145°	785	791	796	797	794	491
155°	898	900	903	907	905	413
165°	977	976	976	982	978	276
175°	1016	1014	1012	1018	1013	97
180°	1018	1018	1018	1018	1018	



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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°	0.9	11.2	30.1	28.4	29.2
92.5°	18.9	25.8	26.6	27.5	27.5
95°	44.7	53.3	55.0	55.0	53.3
97.5°	74.8	82.5	85.9	85.9	85.9
100°	109.1	116.0	118.6	118.6	117.7
102.5°	145.2	150.4	153.8	154.7	153.8
105°	184.7	187.3	189.0	190.8	190.8
107.5°	224.3	227.7	227.7	228.6	224.3
110°	262.1	267.2	267.2	267.2	264.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	303.3	308.5	307.6	305.0	303.3
115°	343.7	348.9	347.1	346.3	343.7
117.5°	384.1	391.0	386.7	384.1	381.5
120°	424.5	431.3	424.5	424.5	421.9
122.5°	461.4	470.0	465.7	463.1	461.4
125°	500.1	507.8	505.2	502.7	501.8
127.5°	537.9	547.3	543.9	540.5	537.9
130°	573.1	584.3	582.6	580.8	577.4
132.5°	612.6	621.2	622.1	617.8	615.2
135°	647.0	656.5	658.2	657.3	654.7
137.5°	684.8	692.5	694.3	693.4	690.0
140°	718.3	726.1	730.4	730.4	726.9
142.5°	752.7	760.4	763.0	763.9	760.4
145°	785.3	791.4	796.5	797.4	793.9
147.5°	814.6	822.3	825.7	827.4	824.0
150°	844.6	849.8	853.2	855.8	853.2
152.5°	871.3	876.4	880.7	884.2	880.7
155°	897.9	900.5	903.1	907.4	904.8
157.5°	921.1	922.8	924.5	930.6	926.3
160°	941.7	943.4	944.3	949.5	946.0
162.5°	960.6	960.6	961.5	967.5	963.2
165°	977.0	976.1	976.1	982.1	977.8
167.5°	991.6	989.0	989.0	995.0	990.7
170°	1002.7	1000.2	999.3	1005.3	1000.2
172.5°	1010.5	1007.9	1007.0	1013.0	1007.9
175°	1016.5	1013.9	1012.2	1018.2	1013.0
177.5°	1019.9	1017.3	1015.6	1020.8	1015.6
180°	1018.2	1018.2	1018.2	1018.2	1018.2

(END OF REPORT)