

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: P334547

Luminaire Tested: **S122IP-S725U830-4F0-1E-UDD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P334547
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-S725U830-4F0-1E-UDD
Description: DEFINE 2 INDIRECT LED LUMINAIRE, NO LENS
PENDANT MOUNT, 725 LUMENS PER FOOT
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2733.3 lumens
Efficiency: N/A
Efficacy: 103.5 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Indirect

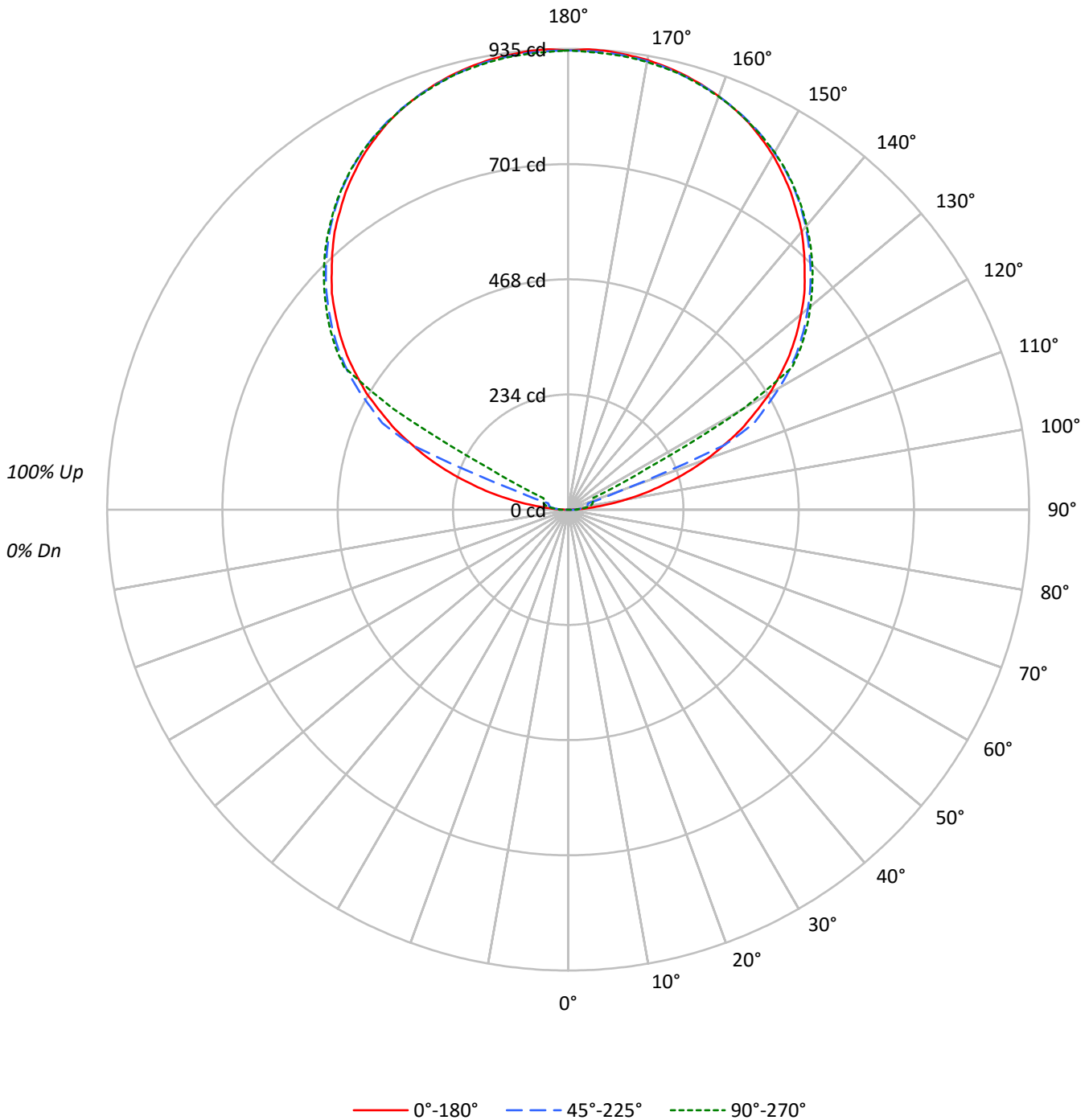
Input Watts (W): 26.4
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1.6	0.1
90°-100°	30.7	1.1
100°-110°	114.5	4.2
110°-120°	303.8	11.1
120°-130°	503.8	18.4
130°-140°	535.2	19.6
140°-150°	497.4	18.2
150°-160°	399.9	14.6
160°-170°	257.7	9.4
170°-180°	88.7	3.2
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	1.6	0.1
90°-120°	449.0	16.4
90°-150°	1985.4	72.6
90°-180°	2732.0	100.0
0°-180°	2733.3	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	8	14	17	18	3
95°	44	22	26	30	29	52
105°	205	225	41	48	51	219
115°	388	399	416	104	55	382
125°	548	557	570	574	576	489
135°	678	689	695	702	700	524
145°	787	786	798	802	799	492
155°	866	860	868	872	867	399
165°	913	909	911	916	911	258
175°	934	929	930	935	928	89
180°	932	932	932	932	932	



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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	8.1	13.5	16.9	18.2
92.5°	16.9	14.2	16.2	17.5	18.2
95°	43.8	21.6	26.3	29.7	29.0
97.5°	78.9	23.6	34.4	36.4	37.1
100°	119.3	27.0	38.4	43.8	45.2
102.5°	163.8	162.5	39.8	47.2	49.2
105°	205.0	225.2	41.1	48.5	51.2
107.5°	252.8	269.7	42.5	49.9	52.6
110°	298.7	312.8	118.0	50.6	53.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	341.8	354.0	342.5	51.9	53.9
115°	387.7	399.1	416.0	103.8	55.3
117.5°	427.5	440.9	452.4	356.0	179.3
120°	472.0	482.1	494.2	502.3	411.3
122.5°	509.7	520.5	534.0	538.0	538.7
125°	548.2	556.9	569.7	574.4	576.5
127.5°	583.2	592.7	602.8	609.5	610.2
130°	616.2	627.0	634.5	641.9	641.2
132.5°	650.0	658.7	666.1	672.2	671.5
135°	678.3	689.1	695.1	701.9	700.5
137.5°	707.9	716.0	722.8	729.5	727.5
140°	736.9	742.3	749.7	755.8	752.4
142.5°	761.2	765.9	774.7	780.1	776.7
145°	786.8	786.2	797.6	802.3	799.0
147.5°	809.1	807.1	818.5	821.9	819.2
150°	830.7	825.9	836.7	840.8	837.4
152.5°	848.9	843.5	853.6	857.6	852.9
155°	866.4	860.3	868.4	872.5	867.1
157.5°	880.5	875.2	881.2	885.9	880.5
160°	892.7	888.6	892.7	896.7	892.0
162.5°	903.5	899.4	902.8	907.5	901.4
165°	912.9	908.9	910.9	915.6	910.9
167.5°	920.3	916.3	918.3	923.0	917.0
170°	926.4	922.4	923.7	928.4	922.4
172.5°	930.4	926.4	927.7	932.5	926.4
175°	933.8	929.1	930.4	935.2	928.4
177.5°	935.2	930.4	931.1	935.8	929.8
180°	931.8	931.8	931.8	931.8	931.8

(END OF REPORT)