

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: P334552

Luminaire Tested: **S122IP-S725U835-4F0-1E-UDD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P334552
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-S725U835-4F0-1E-UDD
Description: DEFINE 2 INDIRECT LED LUMINAIRE, NO LENS
PENDANT MOUNT, 725 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2900.0 lumens
Efficiency: N/A
Efficacy: 109.8 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Indirect

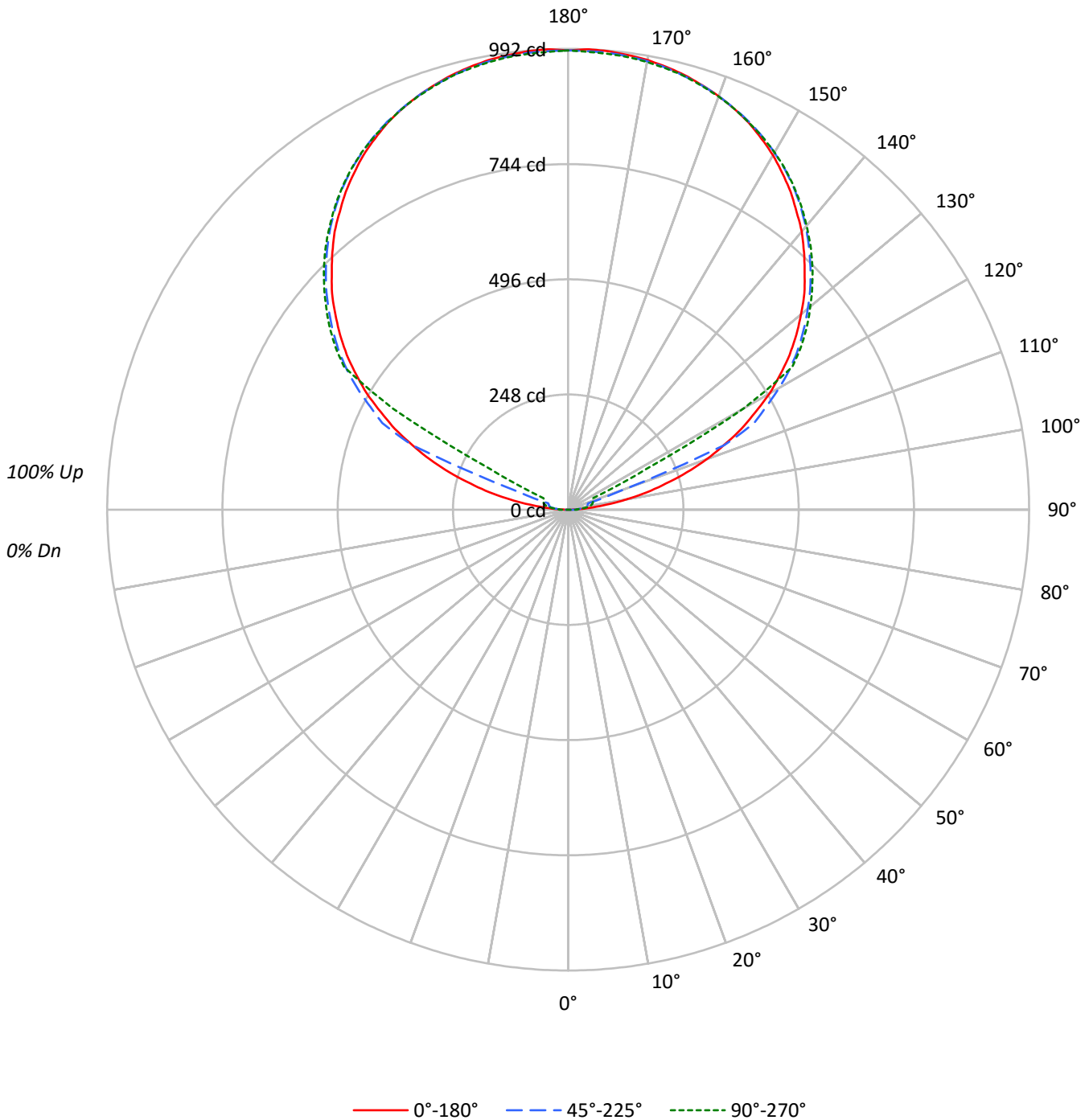
Input Watts (W): 26.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P334552

CATALOG NUMBER: S122IP-S725U835-4F0-1E-UDD

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°	1.7	0.1
90°-100°	32.6	1.1
100°-110°	121.5	4.2
110°-120°	322.3	11.1
120°-130°	534.5	18.4
130°-140°	567.8	19.6
140°-150°	527.7	18.2
150°-160°	424.3	14.6
160°-170°	273.4	9.4
170°-180°	94.1	3.2
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	1.7	0.1
90°-120°	476.4	16.4
90°-150°	2106.5	72.6
90°-180°	2898.0	99.9
0°-180°	2900.0	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	19	3
95°	46	23	28	32	31	55
105°	218	239	44	52	54	232
115°	411	424	441	110	59	405
125°	582	591	604	610	612	519
135°	720	731	738	745	743	556
145°	835	834	846	851	848	522
155°	919	913	921	926	920	424
165°	969	964	966	971	966	274
175°	991	986	987	992	985	94
180°	989	989	989	989	989	



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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	8.6	14.3	17.9	19.3
92.5°	17.9	15.0	17.2	18.6	19.3
95°	46.5	22.9	27.9	31.5	30.8
97.5°	83.7	25.0	36.5	38.6	39.3
100°	126.6	28.6	40.8	46.5	47.9
102.5°	173.8	172.4	42.2	50.1	52.2
105°	217.5	238.9	43.6	51.5	54.4
107.5°	268.3	286.1	45.1	52.9	55.8
110°	316.9	331.9	125.2	53.7	56.5



TEST NUMBER: P334552

CATALOG NUMBER: S122IP-S725U835-4F0-1E-UDD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	362.7	375.6	363.4	55.1	57.2
115°	411.3	423.5	441.4	110.2	58.7
117.5°	453.5	467.8	480.0	377.7	190.3
120°	500.7	511.5	524.3	532.9	436.4
122.5°	540.8	552.2	566.5	570.8	571.6
125°	581.6	590.9	604.5	609.5	611.6
127.5°	618.8	628.8	639.5	646.7	647.4
130°	653.8	665.3	673.1	681.0	680.3
132.5°	689.6	698.9	706.7	713.2	712.5
135°	719.6	731.1	737.5	744.7	743.2
137.5°	751.1	759.7	766.8	774.0	771.8
140°	781.9	787.6	795.5	801.9	798.3
142.5°	807.6	812.6	821.9	827.6	824.1
145°	834.8	834.1	846.2	851.2	847.7
147.5°	858.4	856.3	868.4	872.0	869.1
150°	881.3	876.3	887.7	892.0	888.4
152.5°	900.6	894.9	905.6	909.9	904.9
155°	919.2	912.8	921.3	925.6	919.9
157.5°	934.2	928.5	934.9	939.9	934.2
160°	947.1	942.8	947.1	951.4	946.4
162.5°	958.5	954.3	957.8	962.8	956.4
165°	968.6	964.3	966.4	971.4	966.4
167.5°	976.4	972.1	974.3	979.3	972.9
170°	982.9	978.6	980.0	985.0	978.6
172.5°	987.2	982.9	984.3	989.3	982.9
175°	990.7	985.7	987.2	992.2	985.0
177.5°	992.2	987.2	987.9	992.9	986.4
180°	988.6	988.6	988.6	988.6	988.6

(END OF REPORT)