

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: P335018

Luminaire Tested: **S125IP-S1035U927-4F0-1E-UDD-1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P335018
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125IP-S1035U927-4F0-1E-UDD-1
Description: DEFINE 5 INDIRECT LED LUMINAIRE, FLUSH SATIN WHITE DIFFUSER
PENDANT MOUNT, 1035 LUMENS PER FOOT
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2837.9 lumens
Efficiency: N/A
Efficacy: 80.9 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

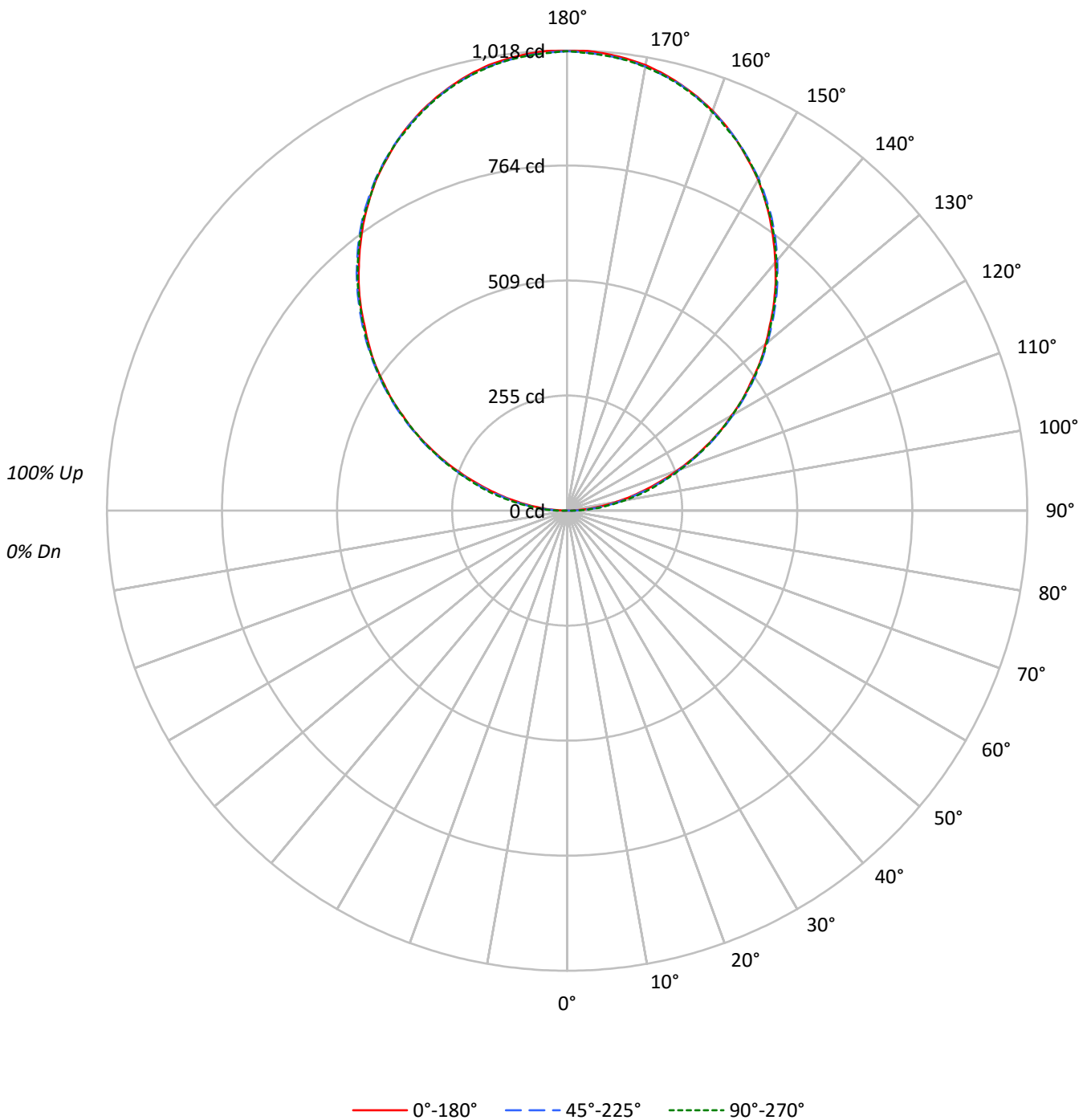
Input Watts (W): 35.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P335018

CATALOG NUMBER: S125IP-S1035U927-4F0-1E-UDD-1

Luminous Intensity Polar Plot





TEST NUMBER: P335018

CATALOG NUMBER: S125IP-S1035U927-4F0-1E-UDD-1

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



TEST NUMBER: P335018

CATALOG NUMBER: S125IP-S1035U927-4F0-1E-UDD-1

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°	67.6	2.4
100°-110°	200.8	7.1
110°-120°	340.5	12.0
120°-130°	448.2	15.8
130°-140°	502.3	17.7
140°-150°	492.3	17.3
150°-160°	413.5	14.6
160°-170°	274.9	9.7
170°-180°	96.2	3.4
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°	608.8	21.5
90°-150°	2051.7	72.3
90°-180°	2836.0	99.9
0°-180°	2837.9	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	7	13	17	19	3
95°	51	53	61	66	68	54
105°	180	184	189	194	196	192
115°	341	344	346	345	344	337
125°	498	502	503	501	501	446
135°	647	652	652	652	649	499
145°	784	787	789	789	787	490
155°	897	897	898	901	897	413
165°	975	974	974	978	973	275
175°	1014	1011	1011	1016	1010	96
180°	1016	1016	1016	1016	1016	



TEST NUMBER: P335018

CATALOG NUMBER: S125IP-S1035U927-4F0-1E-UDD-1

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	7.1	12.7	16.6	19.0
92.5°	23.7	27.7	34.8	40.3	41.9
95°	51.4	53.0	60.9	66.4	68.0
97.5°	79.1	79.9	91.0	95.7	96.5
100°	110.7	110.7	121.0	128.1	129.7
102.5°	144.7	148.7	152.6	160.5	162.9
105°	180.3	184.3	189.0	193.8	196.1
107.5°	219.1	223.0	227.0	229.4	229.4
110°	259.4	263.4	265.7	268.1	267.3



TEST NUMBER: P335018

CATALOG NUMBER: S125IP-S1035U927-4F0-1E-UDD-1

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	300.5	302.1	305.3	306.1	304.5
115°	340.9	344.0	345.6	344.8	344.0
117.5°	382.0	382.8	384.4	385.2	382.0
120°	420.0	423.9	424.7	424.7	421.5
122.5°	461.1	461.9	464.2	463.5	461.1
125°	497.5	502.2	503.0	501.4	500.6
127.5°	537.8	540.2	541.0	540.2	538.6
130°	573.4	577.3	578.9	578.1	576.5
132.5°	609.0	616.1	615.3	614.5	612.1
135°	646.9	651.7	652.5	652.5	649.3
137.5°	682.5	687.3	688.9	689.6	685.7
140°	716.5	720.5	722.9	724.4	720.5
142.5°	750.5	753.7	756.9	757.7	753.7
145°	783.8	786.9	789.3	789.3	786.9
147.5°	814.6	817.0	818.6	820.9	814.6
150°	845.4	844.7	847.8	847.8	846.2
152.5°	870.8	872.3	873.1	875.5	872.3
155°	896.9	896.9	897.6	900.8	896.9
157.5°	920.6	919.0	919.8	923.0	917.4
160°	941.1	938.8	939.6	942.7	938.8
162.5°	959.3	957.8	957.8	961.7	957.0
165°	975.2	973.6	974.4	977.5	972.8
167.5°	989.4	986.2	986.2	991.0	986.2
170°	1000.5	997.3	997.3	1002.0	996.5
172.5°	1008.4	1005.2	1005.2	1009.9	1005.2
175°	1013.9	1010.7	1010.7	1015.5	1009.9
177.5°	1017.9	1014.7	1013.9	1018.6	1013.1
180°	1016.3	1016.3	1016.3	1016.3	1016.3

(END OF REPORT)