

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: P335033

Luminaire Tested: **S125IP-S1035U940-4F0-1E-UDD-1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P335033
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-S1035U940-4F0-1E-UDD-1
Description: DEFINE 5 INDIRECT LED LUMINAIRE, FLUSH SATIN WHITE DIFFUSER
PENDANT MOUNT, 1035 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3194.5 lumens
Efficiency: N/A
Efficacy: 91.0 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

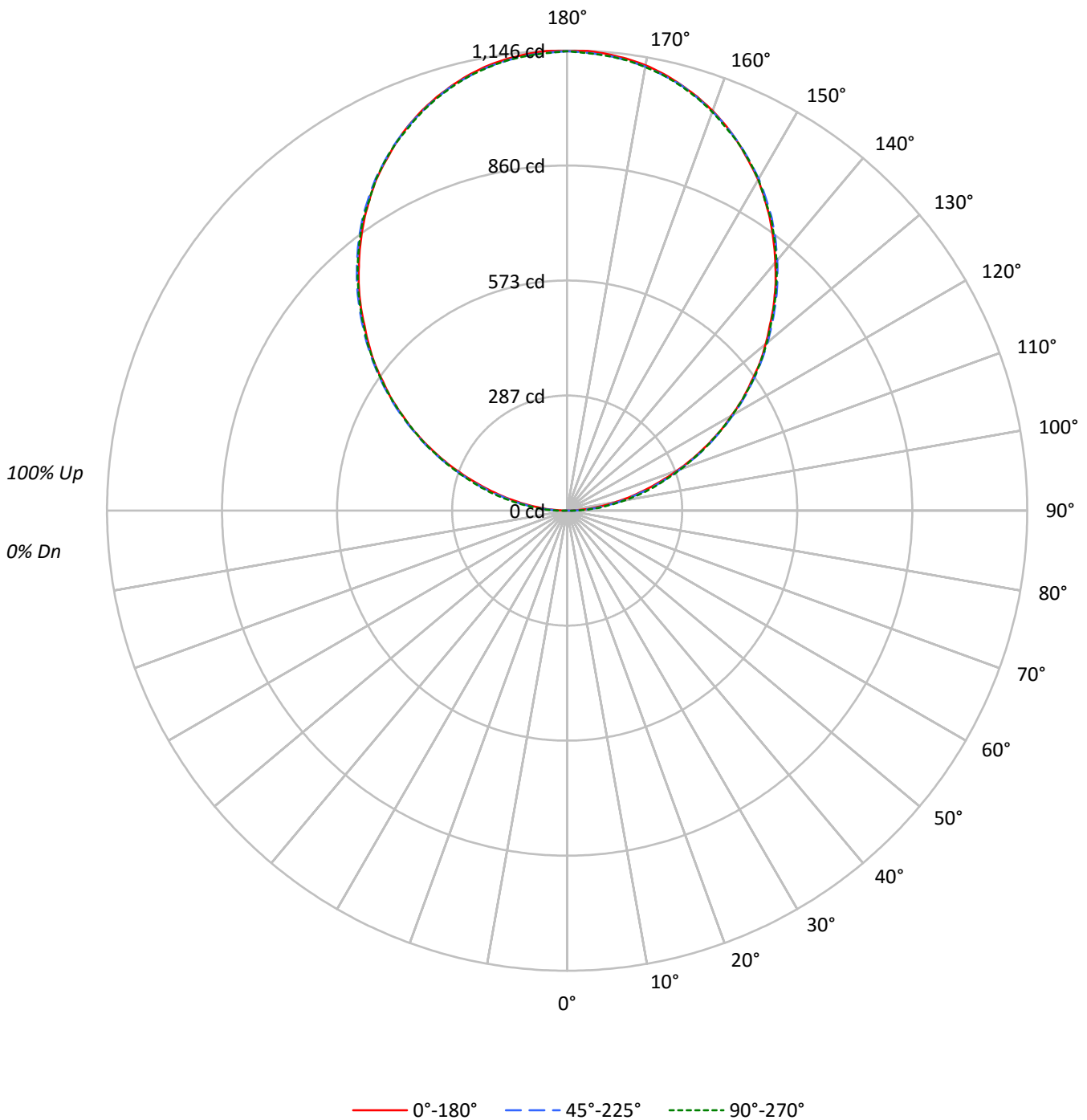
Input Watts (W): 35.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P335033

CATALOG NUMBER: S125IP-S1035U940-4F0-1E-UDD-1

Luminous Intensity Polar Plot





TEST NUMBER: P335033

CATALOG NUMBER: S125IP-S1035U940-4F0-1E-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: P335033

CATALOG NUMBER: S125IP-S1035U940-4F0-1E-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°	1.8	0.1
90°-100°	76.1	2.4
100°-110°	226.0	7.1
110°-120°	383.3	12.0
120°-130°	504.6	15.8
130°-140°	565.4	17.7
140°-150°	554.2	17.3
150°-160°	465.5	14.6
160°-170°	309.4	9.7
170°-180°	108.3	3.4
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	1.8	0.1
90°-120°	685.3	21.5
90°-150°	2309.5	72.3
90°-180°	3193.0	100.0
0°-180°	3194.5	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	19	21	4
95°	58	60	68	75	77	61
105°	203	207	213	218	221	216
115°	384	387	389	388	387	380
125°	560	565	566	564	564	502
135°	728	734	734	734	731	561
145°	882	886	888	888	886	552
155°	1010	1010	1010	1014	1010	465
165°	1098	1096	1097	1100	1095	310
175°	1141	1138	1138	1143	1137	108
180°	1144	1144	1144	1144	1144	



TEST NUMBER: P335033

CATALOG NUMBER: S125IP-S1035U940-4F0-1E-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°	0.9	8.0	14.2	18.7	21.4
92.5°	26.7	31.2	39.2	45.4	47.2
95°	57.9	59.6	68.5	74.8	76.6
97.5°	89.0	89.9	102.4	107.7	108.6
100°	124.6	124.6	136.2	144.2	146.0
102.5°	162.9	167.4	171.8	180.7	183.4
105°	203.0	207.4	212.8	218.1	220.8
107.5°	246.6	251.0	255.5	258.2	258.2
110°	292.0	296.5	299.1	301.8	300.9



TEST NUMBER: P335033

CATALOG NUMBER: S125IP-S1035U940-4F0-1E-UDD-1

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	338.3	340.1	343.6	344.5	342.7
115°	383.7	387.3	389.0	388.1	387.3
117.5°	430.0	430.9	432.7	433.5	430.0
120°	472.7	477.2	478.1	478.1	474.5
122.5°	519.0	519.9	522.6	521.7	519.0
125°	560.0	565.3	566.2	564.4	563.5
127.5°	605.4	608.0	608.9	608.0	606.3
130°	645.4	649.9	651.7	650.8	649.0
132.5°	685.5	693.5	692.6	691.7	689.0
135°	728.2	733.6	734.4	734.4	730.9
137.5°	768.3	773.6	775.4	776.3	771.8
140°	806.6	811.0	813.7	815.5	811.0
142.5°	844.8	848.4	852.0	852.9	848.4
145°	882.2	885.8	888.5	888.5	885.8
147.5°	916.9	919.6	921.4	924.1	916.9
150°	951.7	950.8	954.3	954.3	952.6
152.5°	980.2	981.9	982.8	985.5	981.9
155°	1009.5	1009.5	1010.4	1014.0	1009.5
157.5°	1036.2	1034.5	1035.4	1038.9	1032.7
160°	1059.4	1056.7	1057.6	1061.2	1056.7
162.5°	1079.9	1078.1	1078.1	1082.5	1077.2
165°	1097.7	1095.9	1096.8	1100.3	1095.0
167.5°	1113.7	1110.1	1110.1	1115.5	1110.1
170°	1126.2	1122.6	1122.6	1127.9	1121.7
172.5°	1135.1	1131.5	1131.5	1136.8	1131.5
175°	1141.3	1137.7	1137.7	1143.1	1136.8
177.5°	1145.7	1142.2	1141.3	1146.6	1140.4
180°	1144.0	1144.0	1144.0	1144.0	1144.0

(END OF REPORT)