

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: P335089

Luminaire Tested: **S125IP-S1205U927-4F0-1E-UDD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P335089
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125IP-S1205U927-4F0-1E-UDD
Description: DEFINE 5 INDIRECT LED LUMINAIRE, NO LENS
PENDANT MOUNT, 1205 LUMENS PER FOOT
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

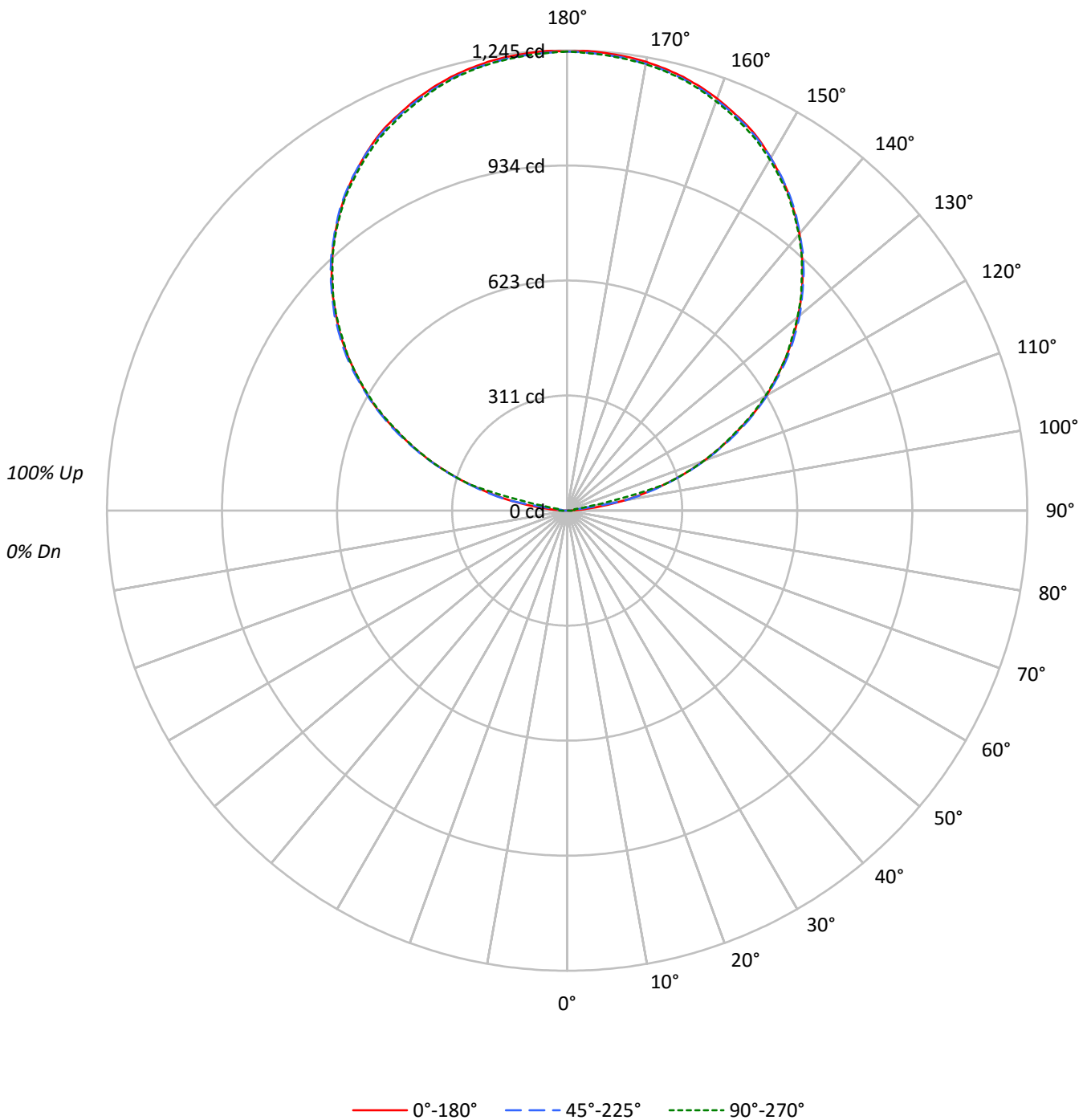
Lumens per Lamp: N/A
Luminaire Lumens: 3816.9 lumens
Efficiency: N/A
Efficacy: 91.1 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

Input Watts (W): 41.9
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: P335089
CATALOG NUMBER: S125IP-S1205U927-4F0-1E-UDD

Luminous Intensity Polar Plot





TEST NUMBER: P335089

CATALOG NUMBER: S125IP-S1205U927-4F0-1E-UDD

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: P335089

CATALOG NUMBER: S125IP-S1205U927-4F0-1E-UDD

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	0.0
90°-100°	42.1	1.1
100°-110°	280.3	7.3
110°-120°	504.7	13.2
120°-130°	647.9	17.0
130°-140°	696.8	18.3
140°-150°	654.0	17.1
150°-160°	529.0	13.9
160°-170°	342.1	9.0
170°-180°	118.0	3.1
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	1.8	0.0
90°-120°	827.2	21.7
90°-150°	2825.9	74.0
90°-180°	3815.0	100.0
0°-180°	3816.9	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	8	15	19	22	3
95°	52	50	15	19	19	64
105°	271	274	274	274	273	287
115°	508	513	514	510	504	504
125°	723	729	729	726	723	646
135°	901	907	905	903	898	695
145°	1045	1047	1047	1048	1042	654
155°	1151	1145	1147	1150	1142	530
165°	1214	1209	1210	1215	1208	343
175°	1242	1236	1237	1245	1236	118
180°	1242	1242	1242	1242	1242	



TEST NUMBER: P335089

CATALOG NUMBER: S125IP-S1205U927-4F0-1E-UDD

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	8.3	14.7	19.3	22.1
92.5°	17.5	9.2	14.7	19.3	20.3
95°	52.5	49.7	14.7	19.3	19.3
97.5°	98.5	104.0	16.6	18.4	19.3
100°	153.8	156.5	160.2	23.0	19.3
102.5°	209.9	213.6	215.4	217.3	139.9
105°	270.7	274.4	274.4	274.4	273.4
107.5°	333.3	333.3	335.1	336.0	332.4
110°	394.0	394.0	395.9	393.1	394.0



TEST NUMBER: P335089

CATALOG NUMBER: S125IP-S1205U927-4F0-1E-UDD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	451.1	453.9	454.8	451.1	449.3
115°	508.2	512.8	513.7	510.0	504.5
117.5°	568.0	568.0	571.7	566.2	564.4
120°	623.3	622.4	625.1	623.3	618.7
122.5°	672.1	676.7	677.6	675.8	670.2
125°	722.7	729.2	729.2	725.5	722.7
127.5°	771.5	776.1	775.2	773.4	766.0
130°	815.7	820.3	821.2	818.5	813.9
132.5°	859.9	865.4	862.7	862.7	858.1
135°	901.3	906.9	905.0	903.2	897.6
137.5°	940.0	945.5	943.7	943.7	939.1
140°	977.7	979.6	978.7	980.5	975.0
142.5°	1011.8	1012.7	1014.6	1014.6	1009.0
145°	1044.9	1046.8	1046.8	1047.7	1042.2
147.5°	1074.4	1074.4	1075.3	1076.3	1069.8
150°	1102.0	1100.2	1102.0	1103.9	1096.5
152.5°	1128.7	1124.1	1126.0	1127.8	1121.4
155°	1150.8	1145.3	1147.1	1149.9	1142.5
157.5°	1168.3	1165.6	1165.6	1168.3	1161.0
160°	1186.7	1181.2	1182.1	1185.8	1178.4
162.5°	1201.5	1195.9	1196.9	1202.4	1194.1
165°	1214.4	1208.8	1209.7	1215.3	1207.9
167.5°	1224.5	1219.0	1219.9	1226.3	1218.0
170°	1232.8	1226.3	1227.2	1234.6	1226.3
172.5°	1238.3	1231.8	1233.7	1240.1	1231.8
175°	1242.0	1236.4	1237.4	1244.7	1236.4
177.5°	1244.7	1239.2	1240.1	1246.6	1239.2
180°	1242.0	1242.0	1242.0	1242.0	1242.0

(END OF REPORT)