

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: P335094

Luminaire Tested: **S125IP-S1205U930-4F0-1E-UDD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P335094
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-S1205U930-4F0-1E-UDD
Description: DEFINE 5 INDIRECT LED LUMINAIRE, NO LENS
PENDANT MOUNT, 1205 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

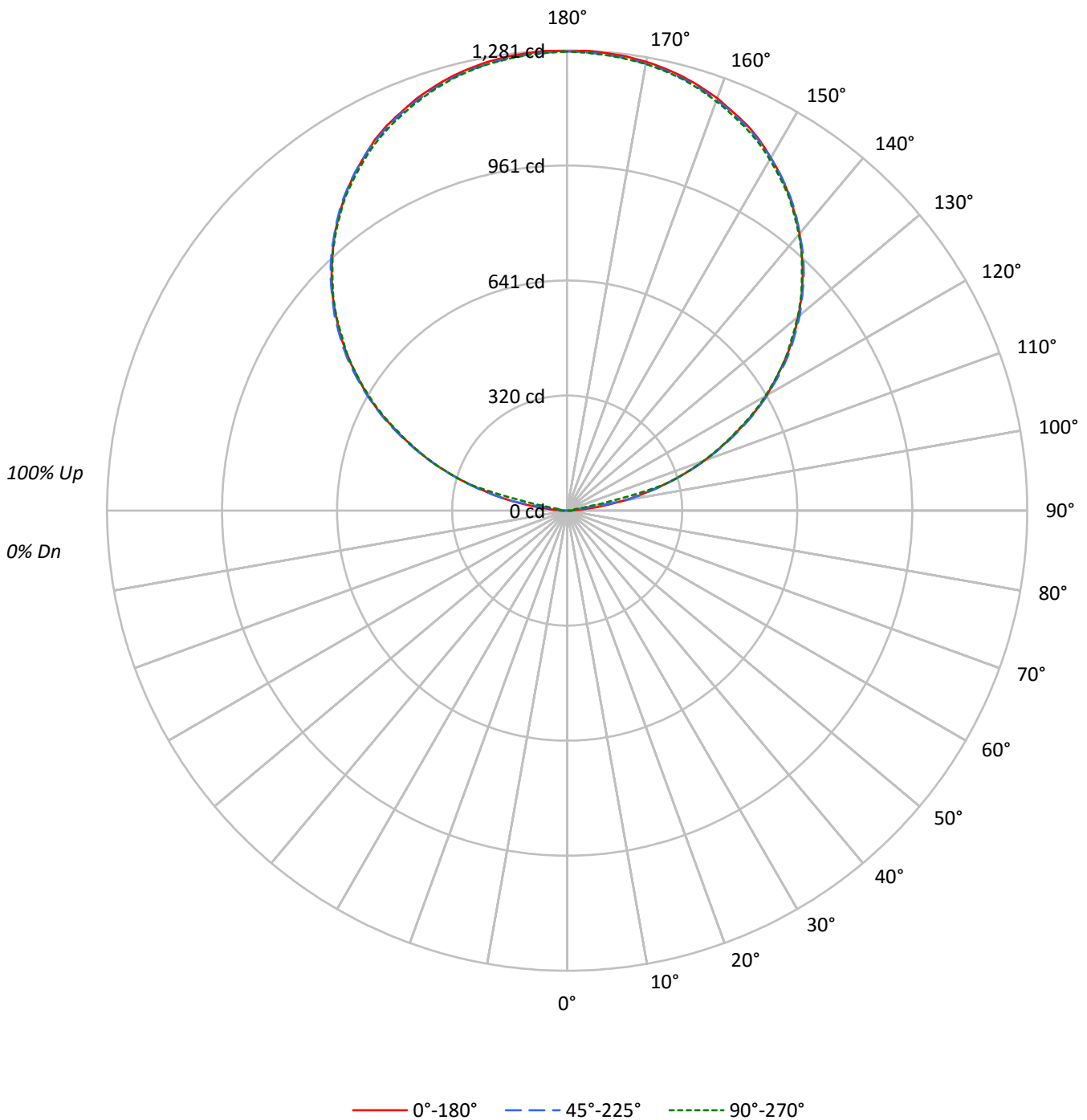
Lumens per Lamp: N/A
Luminaire Lumens: 3928.3 lumens
Efficiency: N/A
Efficacy: 93.8 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

Input Watts (W): 41.9
Input Voltage (V): 120
Input Current (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°	1.9	0.0
90°-100°	43.4	1.1
100°-110°	288.5	7.3
110°-120°	519.5	13.2
120°-130°	666.8	17.0
130°-140°	717.2	18.3
140°-150°	673.1	17.1
150°-160°	544.5	13.9
160°-170°	352.1	9.0
170°-180°	121.4	3.1
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	1.9	0.0
90°-120°	851.3	21.7
90°-150°	2908.4	74.0
90°-180°	3926.0	99.9
0°-180°	3928.3	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	15	20	23	3
95°	54	51	15	20	20	66
105°	279	282	282	282	281	295
115°	523	528	529	525	519	518
125°	744	750	750	747	744	664
135°	928	933	931	930	924	715
145°	1075	1077	1077	1078	1073	673
155°	1184	1179	1181	1184	1176	546
165°	1250	1244	1245	1251	1243	353
175°	1278	1272	1274	1281	1272	122
180°	1278	1278	1278	1278	1278	



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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°	0.9	8.5	15.2	19.9	22.7
92.5°	18.0	9.5	15.2	19.9	20.8
95°	54.0	51.2	15.2	19.9	19.9
97.5°	101.4	107.1	17.1	19.0	19.9
100°	158.2	161.1	164.9	23.7	19.9
102.5°	216.0	219.8	221.7	223.6	144.0
105°	278.6	282.4	282.4	282.4	281.4
107.5°	343.0	343.0	344.9	345.8	342.1
110°	405.5	405.5	407.4	404.6	405.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	464.3	467.1	468.1	464.3	462.4
115°	523.0	527.8	528.7	524.9	519.2
117.5°	584.6	584.6	588.4	582.7	580.8
120°	641.5	640.5	643.4	641.5	636.7
122.5°	691.7	696.4	697.4	695.5	689.8
125°	743.8	750.4	750.4	746.7	743.8
127.5°	794.0	798.8	797.8	795.9	788.3
130°	839.5	844.2	845.2	842.4	837.6
132.5°	885.0	890.7	887.8	887.8	883.1
135°	927.6	933.3	931.4	929.5	923.8
137.5°	967.4	973.1	971.2	971.2	966.5
140°	1006.3	1008.2	1007.2	1009.1	1003.4
142.5°	1041.3	1042.3	1044.2	1044.2	1038.5
145°	1075.4	1077.3	1077.3	1078.3	1072.6
147.5°	1105.8	1105.8	1106.7	1107.7	1101.0
150°	1134.2	1132.3	1134.2	1136.1	1128.5
152.5°	1161.7	1156.9	1158.8	1160.7	1154.1
155°	1184.4	1178.7	1180.6	1183.5	1175.9
157.5°	1202.4	1199.6	1199.6	1202.4	1194.8
160°	1221.4	1215.7	1216.6	1220.4	1212.8
162.5°	1236.5	1230.8	1231.8	1237.5	1228.9
165°	1249.8	1244.1	1245.0	1250.7	1243.2
167.5°	1260.2	1254.5	1255.5	1262.1	1253.6
170°	1268.7	1262.1	1263.1	1270.6	1262.1
172.5°	1274.4	1267.8	1269.7	1276.3	1267.8
175°	1278.2	1272.5	1273.5	1281.1	1272.5
177.5°	1281.1	1275.4	1276.3	1283.0	1275.4
180°	1278.2	1278.2	1278.2	1278.2	1278.2

(END OF REPORT)