

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: P335074

Luminaire Tested: **S125IP-S1205U830-4F0-1E-UDD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P335074
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-S1205U830-4F0-1E-UDD
Description: DEFINE 5 INDIRECT LED LUMINAIRE, NO LENS
PENDANT MOUNT, 1205 LUMENS PER FOOT
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

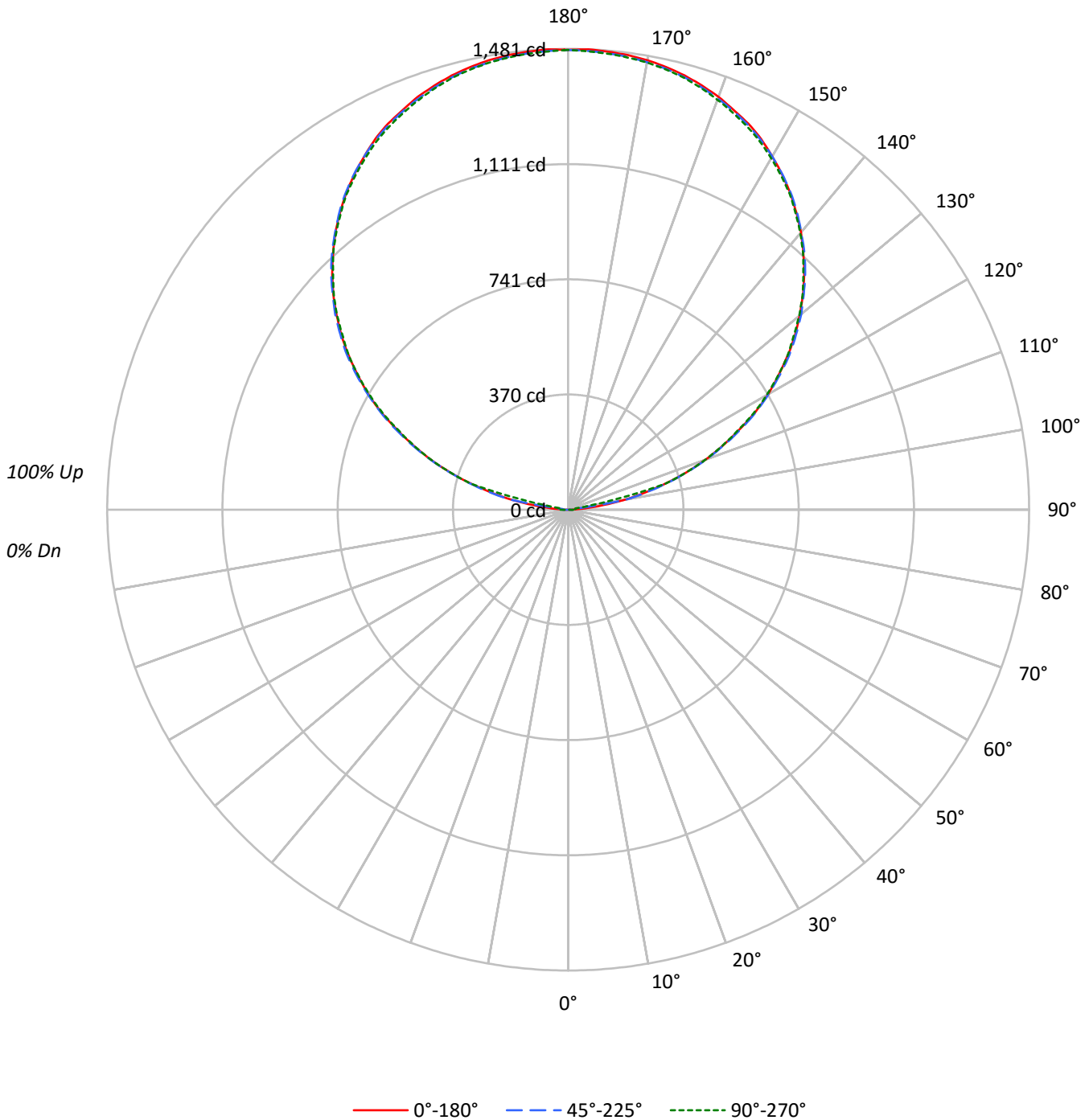
Lumens per Lamp: N/A
Luminaire Lumens: 4541.3 lumens
Efficiency: N/A
Efficacy: 108.4 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

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



TEST NUMBER: P335074
CATALOG NUMBER: S125IP-S1205U830-4F0-1E-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°	2.2	0.0
90°-100°	50.2	1.1
100°-110°	333.5	7.3
110°-120°	600.6	13.2
120°-130°	770.9	17.0
130°-140°	829.1	18.3
140°-150°	778.1	17.1
150°-160°	629.4	13.9
160°-170°	407.1	9.0
170°-180°	140.4	3.1
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	2.2	0.0
90°-120°	984.2	21.7
90°-150°	3362.3	74.0
90°-180°	4539.0	99.9
0°-180°	4541.3	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	10	18	23	26	3
95°	62	59	18	23	23	77
105°	322	326	326	326	325	341
115°	605	610	611	607	600	599
125°	860	868	868	863	860	768
135°	1072	1079	1077	1075	1068	827
145°	1243	1246	1246	1247	1240	778
155°	1369	1363	1365	1368	1359	631
165°	1445	1438	1439	1446	1437	408
175°	1478	1471	1472	1481	1471	141
180°	1478	1478	1478	1478	1478	



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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°	1.1	9.9	17.5	23.0	26.3
92.5°	20.8	11.0	17.5	23.0	24.1
95°	62.4	59.2	17.5	23.0	23.0
97.5°	117.2	123.8	19.7	21.9	23.0
100°	182.9	186.2	190.6	27.4	23.0
102.5°	249.8	254.1	256.3	258.5	166.5
105°	322.0	326.4	326.4	326.4	325.3
107.5°	396.5	396.5	398.7	399.8	395.4
110°	468.8	468.8	471.0	467.7	468.8



TEST NUMBER: P335074

CATALOG NUMBER: S125IP-S1205U830-4F0-1E-UDD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	536.7	540.0	541.1	536.7	534.6
115°	604.7	610.1	611.2	606.9	600.3
117.5°	675.9	675.9	680.2	673.7	671.5
120°	741.6	740.5	743.8	741.6	736.1
122.5°	799.6	805.1	806.2	804.0	797.5
125°	859.9	867.6	867.6	863.2	859.9
127.5°	918.0	923.4	922.3	920.1	911.4
130°	970.5	976.0	977.1	973.8	968.3
132.5°	1023.1	1029.7	1026.4	1026.4	1020.9
135°	1072.4	1079.0	1076.8	1074.6	1068.0
137.5°	1118.4	1125.0	1122.8	1122.8	1117.3
140°	1163.3	1165.5	1164.4	1166.6	1160.0
142.5°	1203.9	1204.9	1207.1	1207.1	1200.6
145°	1243.3	1245.5	1245.5	1246.6	1240.0
147.5°	1278.3	1278.3	1279.4	1280.5	1272.9
150°	1311.2	1309.0	1311.2	1313.4	1304.6
152.5°	1343.0	1337.5	1339.7	1341.9	1334.2
155°	1369.3	1362.7	1364.9	1368.2	1359.4
157.5°	1390.1	1386.8	1386.8	1390.1	1381.3
160°	1412.0	1405.4	1406.5	1410.9	1402.1
162.5°	1429.5	1422.9	1424.0	1430.6	1420.7
165°	1444.8	1438.3	1439.4	1445.9	1437.2
167.5°	1456.9	1450.3	1451.4	1459.1	1449.2
170°	1466.7	1459.1	1460.2	1468.9	1459.1
172.5°	1473.3	1465.7	1467.8	1475.5	1465.7
175°	1477.7	1471.1	1472.2	1481.0	1471.1
177.5°	1481.0	1474.4	1475.5	1483.2	1474.4
180°	1477.7	1477.7	1477.7	1477.7	1477.7

(END OF REPORT)