

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: P335133

Luminaire Tested: **S125IW-S1340U935-4F0-1E-UDD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P335133  
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: S125IW-S1340U935-4F0-1E-UDD  
Description: DEFINE 5 INDIRECT LED LUMINAIRE, NO LENS  
WALL MOUNT, 1340 LUMENS PER FOOT  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4621.7 lumens  
Efficiency: N/A  
Efficacy: 179.8 lumens/watt  
Spacing Criteria (0/90/45): - / - / -  
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')  
CIE Type: Indirect

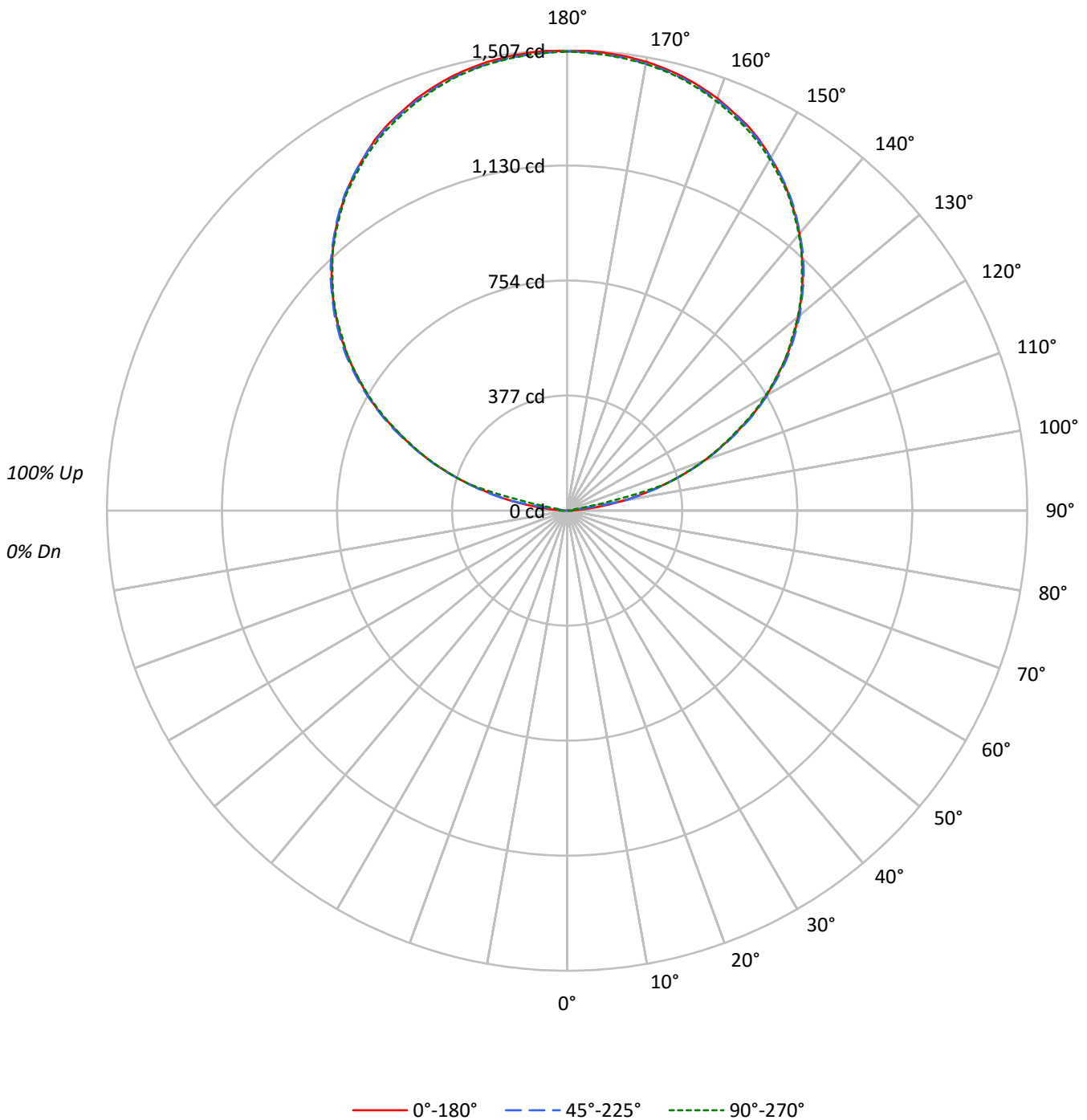
Input Watts (W): 25.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2.2	0.0
90°-100°	51.0	1.1
100°-110°	339.4	7.3
110°-120°	611.2	13.2
120°-130°	784.5	17.0
130°-140°	843.8	18.3
140°-150°	791.9	17.1
150°-160°	640.6	13.9
160°-170°	414.3	9.0
170°-180°	142.9	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°	1001.6	21.7
90°-150°	3421.8	74.0
90°-180°	4619.0	99.9
0°-180°	4621.7	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	27	3
95°	64	60	18	23	23	78
105°	328	332	332	332	331	347
115°	615	621	622	618	611	610
125°	875	883	883	878	875	782
135°	1091	1098	1096	1094	1087	841
145°	1265	1268	1268	1269	1262	791
155°	1394	1387	1389	1392	1383	642
165°	1470	1464	1465	1472	1463	415
175°	1504	1497	1498	1507	1497	143
180°	1504	1504	1504	1504	1504	



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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	10.0	17.8	23.4	26.8
92.5°	21.2	11.1	17.8	23.4	24.5
95°	63.5	60.2	17.8	23.4	23.4
97.5°	119.3	126.0	20.1	22.3	23.4
100°	186.2	189.5	194.0	27.9	23.4
102.5°	254.2	258.6	260.9	263.1	169.4
105°	327.7	332.2	332.2	332.2	331.1
107.5°	403.5	403.5	405.8	406.9	402.4
110°	477.1	477.1	479.4	476.0	477.1



TEST NUMBER: P335133

CATALOG NUMBER: S125IW-S1340U935-4F0-1E-UDD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	546.2	549.6	550.7	546.2	544.0
115°	615.4	620.9	622.0	617.6	610.9
117.5°	687.8	687.8	692.3	685.6	683.4
120°	754.7	753.6	756.9	754.7	749.1
122.5°	813.8	819.4	820.5	818.2	811.6
125°	875.1	882.9	882.9	878.4	875.1
127.5°	934.2	939.8	938.6	936.4	927.5
130°	987.7	993.3	994.4	991.0	985.5
132.5°	1041.2	1047.9	1044.5	1044.5	1039.0
135°	1091.4	1098.1	1095.8	1093.6	1086.9
137.5°	1138.2	1144.9	1142.6	1142.6	1137.1
140°	1183.9	1186.1	1185.0	1187.2	1180.5
142.5°	1225.1	1226.3	1228.5	1228.5	1221.8
145°	1265.3	1267.5	1267.5	1268.6	1261.9
147.5°	1300.9	1300.9	1302.1	1303.2	1295.4
150°	1334.4	1332.2	1334.4	1336.6	1327.7
152.5°	1366.7	1361.1	1363.4	1365.6	1357.8
155°	1393.5	1386.8	1389.0	1392.4	1383.4
157.5°	1414.7	1411.3	1411.3	1414.7	1405.7
160°	1436.9	1430.3	1431.4	1435.8	1426.9
162.5°	1454.8	1448.1	1449.2	1455.9	1445.9
165°	1470.4	1463.7	1464.8	1471.5	1462.6
167.5°	1482.7	1476.0	1477.1	1484.9	1474.8
170°	1492.7	1484.9	1486.0	1494.9	1484.9
172.5°	1499.4	1491.6	1493.8	1501.6	1491.6
175°	1503.8	1497.1	1498.3	1507.2	1497.1
177.5°	1507.2	1500.5	1501.6	1509.4	1500.5
180°	1503.8	1503.8	1503.8	1503.8	1503.8

(END OF REPORT)