

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: P335128

Luminaire Tested: **S125IW-S1340U930-4F0-1E-UDD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P335128
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-S1340U930-4F0-1E-UDD
Description: DEFINE 5 INDIRECT LED LUMINAIRE, NO LENS
WALL MOUNT, 1340 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4376.4 lumens
Efficiency: N/A
Efficacy: 170.3 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

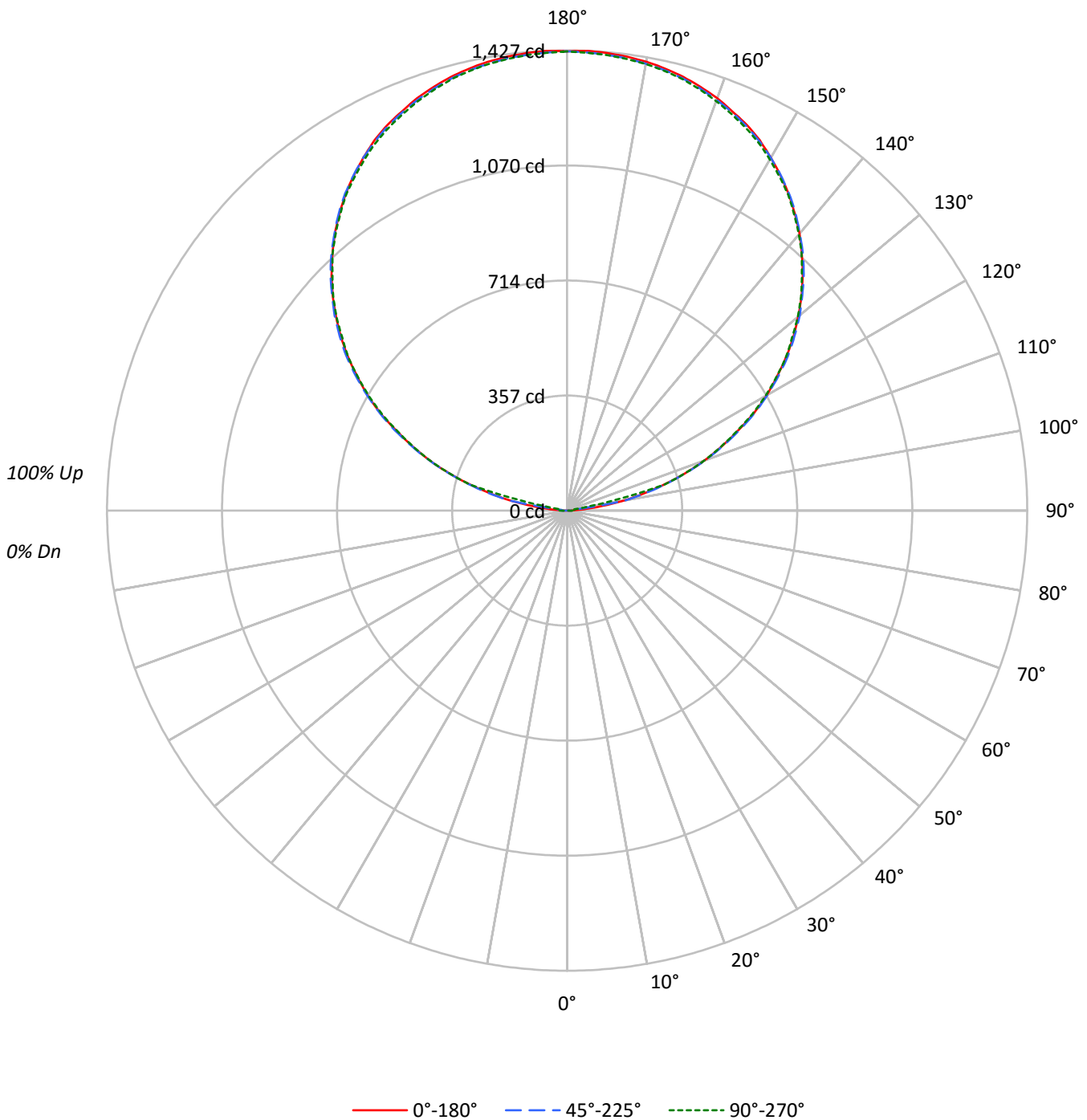
Input Watts (W): 25.7
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2.1	0.0
90°-100°	48.3	1.1
100°-110°	321.4	7.3
110°-120°	578.7	13.2
120°-130°	742.9	17.0
130°-140°	799.0	18.3
140°-150°	749.9	17.1
150°-160°	606.6	13.9
160°-170°	392.3	9.0
170°-180°	135.3	3.1
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	2.1	0.0
90°-120°	948.5	21.7
90°-150°	3240.2	74.0
90°-180°	4374.0	99.9
0°-180°	4376.4	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	17	22	25	3
95°	60	57	17	22	22	74
105°	310	315	315	315	314	329
115°	583	588	589	585	578	578
125°	829	836	836	832	829	740
135°	1033	1040	1038	1036	1029	797
145°	1198	1200	1200	1201	1195	749
155°	1320	1313	1315	1318	1310	608
165°	1392	1386	1387	1393	1385	393
175°	1424	1418	1419	1427	1418	136
180°	1424	1424	1424	1424	1424	



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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	9.5	16.9	22.2	25.3
92.5°	20.1	10.6	16.9	22.2	23.2
95°	60.2	57.0	16.9	22.2	22.2
97.5°	112.9	119.3	19.0	21.1	22.2
100°	176.3	179.5	183.7	26.4	22.2
102.5°	240.7	244.9	247.0	249.1	160.5
105°	310.3	314.6	314.6	314.6	313.5
107.5°	382.1	382.1	384.2	385.3	381.1
110°	451.8	451.8	453.9	450.7	451.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	517.2	520.4	521.5	517.2	515.1
115°	582.7	588.0	589.0	584.8	578.5
117.5°	651.3	651.3	655.5	649.2	647.1
120°	714.6	713.6	716.8	714.6	709.4
122.5°	770.6	775.9	776.9	774.8	768.5
125°	828.7	836.0	836.0	831.8	828.7
127.5°	884.6	889.9	888.8	886.7	878.3
130°	935.3	940.5	941.6	938.4	933.2
132.5°	985.9	992.3	989.1	989.1	983.8
135°	1033.4	1039.8	1037.7	1035.5	1029.2
137.5°	1077.8	1084.1	1082.0	1082.0	1076.7
140°	1121.1	1123.2	1122.1	1124.2	1117.9
142.5°	1160.1	1161.2	1163.3	1163.3	1156.9
145°	1198.1	1200.2	1200.2	1201.3	1194.9
147.5°	1231.9	1231.9	1232.9	1234.0	1226.6
150°	1263.6	1261.4	1263.6	1265.7	1257.2
152.5°	1294.2	1288.9	1291.0	1293.1	1285.7
155°	1319.5	1313.2	1315.3	1318.5	1310.0
157.5°	1339.6	1336.4	1336.4	1339.6	1331.1
160°	1360.7	1354.3	1355.4	1359.6	1351.2
162.5°	1377.6	1371.2	1372.3	1378.6	1369.1
165°	1392.3	1386.0	1387.1	1393.4	1385.0
167.5°	1404.0	1397.6	1398.7	1406.1	1396.6
170°	1413.5	1406.1	1407.1	1415.6	1406.1
172.5°	1419.8	1412.4	1414.5	1421.9	1412.4
175°	1424.0	1417.7	1418.7	1427.2	1417.7
177.5°	1427.2	1420.8	1421.9	1429.3	1420.8
180°	1424.0	1424.0	1424.0	1424.0	1424.0

(END OF REPORT)