

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: P335113

Luminaire Tested: **S125IW-S1340U835-4F0-1E-UDD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P335113
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-S1340U835-4F0-1E-UDD
Description: DEFINE 5 INDIRECT LED LUMINAIRE, NO LENS
WALL MOUNT, 1340 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5367.8 lumens
Efficiency: N/A
Efficacy: 208.9 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

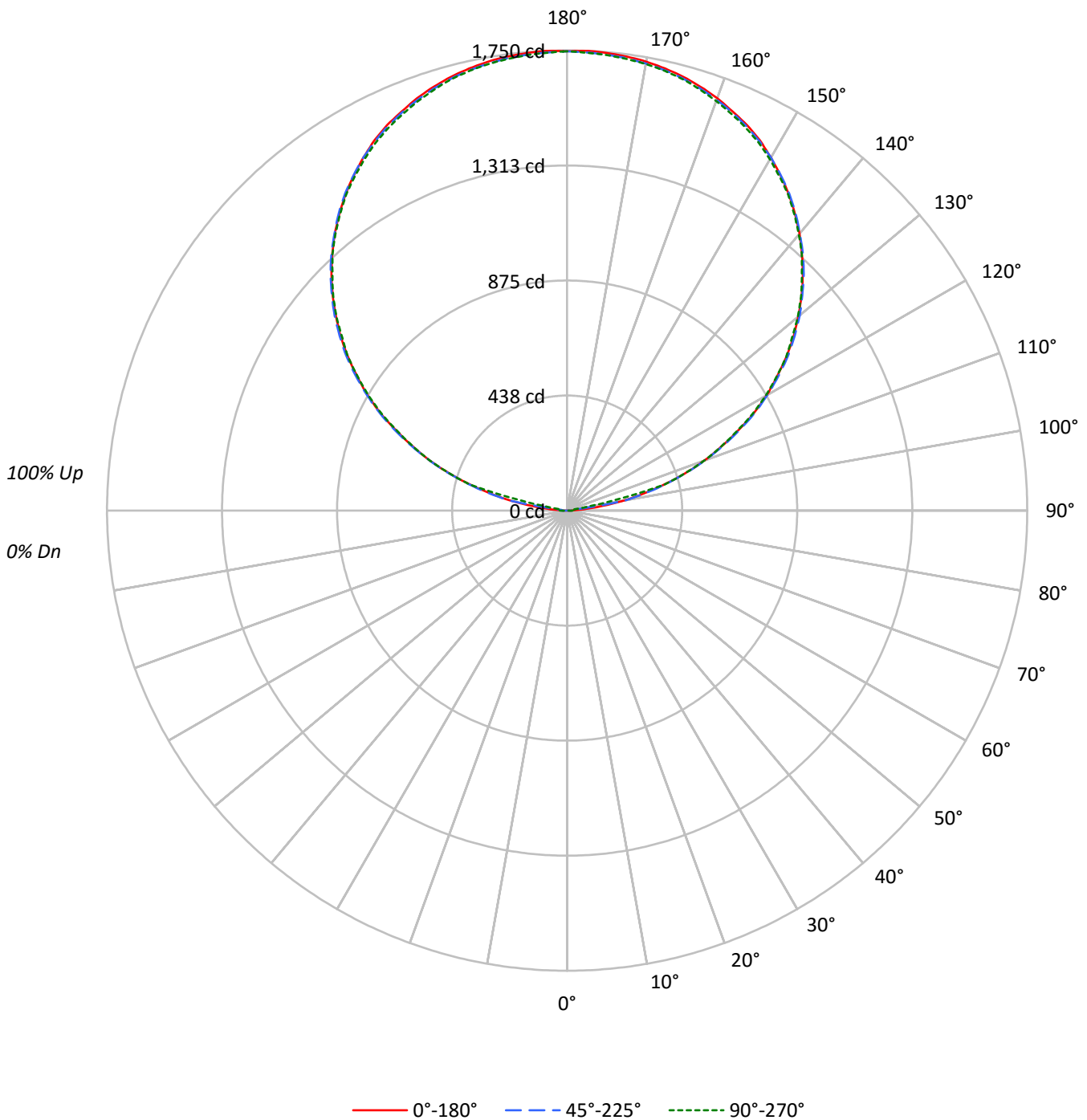
Input Watts (W): 25.7
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2.6	0.0
90°-100°	59.3	1.1
100°-110°	394.2	7.3
110°-120°	709.9	13.2
120°-130°	911.1	17.0
130°-140°	980.0	18.3
140°-150°	919.7	17.1
150°-160°	744.0	13.9
160°-170°	481.1	9.0
170°-180°	165.9	3.1
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	2.6	0.0
90°-120°	1163.3	21.7
90°-150°	3974.2	74.0
90°-180°	5365.0	99.9
0°-180°	5367.8	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	12	21	27	31	4
95°	74	70	21	27	27	90
105°	381	386	386	386	384	403
115°	715	721	722	717	710	708
125°	1016	1025	1025	1020	1016	908
135°	1268	1275	1273	1270	1262	977
145°	1470	1472	1472	1473	1466	919
155°	1618	1611	1613	1617	1607	746
165°	1708	1700	1701	1709	1699	482
175°	1747	1739	1740	1750	1739	166
180°	1747	1747	1747	1747	1747	



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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°	1.3	11.7	20.7	27.2	31.1
92.5°	24.6	12.9	20.7	27.2	28.5
95°	73.8	69.9	20.7	27.2	27.2
97.5°	138.5	146.3	23.3	25.9	27.2
100°	216.2	220.1	225.3	32.4	27.2
102.5°	295.2	300.4	303.0	305.6	196.8
105°	380.7	385.8	385.8	385.8	384.5
107.5°	468.7	468.7	471.3	472.6	467.4
110°	554.2	554.2	556.7	552.9	554.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	634.4	638.3	639.6	634.4	631.8
115°	714.7	721.2	722.5	717.3	709.5
117.5°	798.9	798.9	804.0	796.3	793.7
120°	876.5	875.2	879.1	876.5	870.1
122.5°	945.2	951.6	952.9	950.3	942.6
125°	1016.4	1025.4	1025.4	1020.3	1016.4
127.5°	1085.0	1091.5	1090.2	1087.6	1077.2
130°	1147.1	1153.6	1154.9	1151.0	1144.6
132.5°	1209.3	1217.1	1213.2	1213.2	1206.7
135°	1267.6	1275.3	1272.7	1270.1	1262.4
137.5°	1321.9	1329.7	1327.1	1327.1	1320.6
140°	1375.0	1377.6	1376.3	1378.9	1371.1
142.5°	1422.9	1424.2	1426.8	1426.8	1419.0
145°	1469.5	1472.1	1472.1	1473.4	1465.7
147.5°	1511.0	1511.0	1512.3	1513.6	1504.5
150°	1549.8	1547.2	1549.8	1552.4	1542.0
152.5°	1587.4	1580.9	1583.5	1586.1	1577.0
155°	1618.4	1610.7	1613.3	1617.1	1606.8
157.5°	1643.0	1639.1	1639.1	1643.0	1632.7
160°	1668.9	1661.2	1662.5	1667.6	1657.3
162.5°	1689.6	1681.9	1683.2	1690.9	1679.3
165°	1707.8	1700.0	1701.3	1709.1	1698.7
167.5°	1722.0	1714.2	1715.5	1724.6	1712.9
170°	1733.7	1724.6	1725.9	1736.3	1724.6
172.5°	1741.4	1732.4	1735.0	1744.0	1732.4
175°	1746.6	1738.8	1740.1	1750.5	1738.8
177.5°	1750.5	1742.7	1744.0	1753.1	1742.7
180°	1746.6	1746.6	1746.6	1746.6	1746.6

(END OF REPORT)