

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: P335029

Luminaire Tested: **S125IP-S1205U935-4F0-1E-UDD-1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P335029
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125IP-S1205U935-4F0-1E-UDD-1
Description: DEFINE 5 INDIRECT LED LUMINAIRE, FLUSH SATIN WHITE DIFFUSER
PENDANT MOUNT, 1205 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3590.2 lumens
Efficiency: N/A
Efficacy: 85.7 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

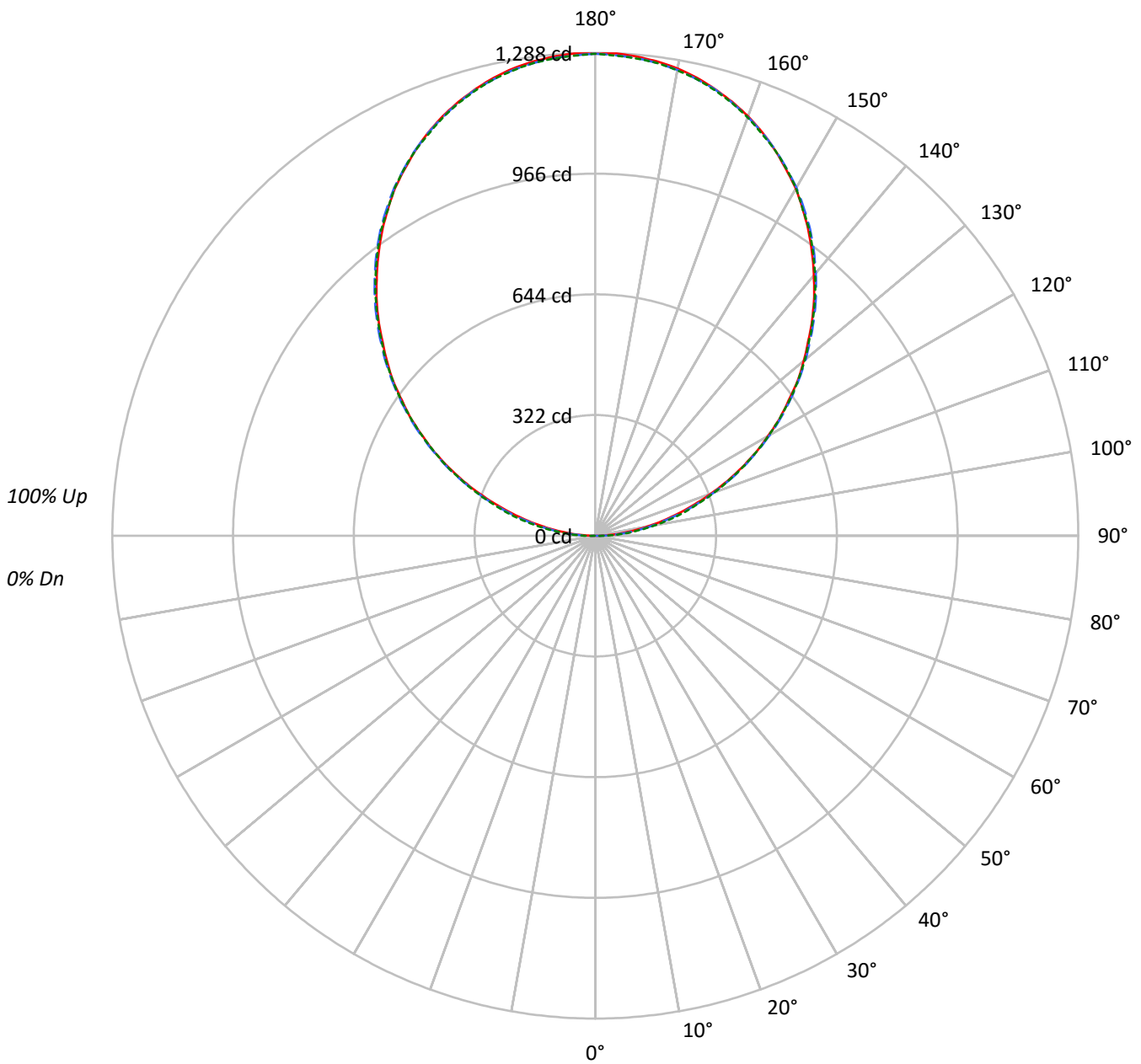
Input Watts (W): 41.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270°



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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° | 2.0 | 0.1 |
| 90°-100° | 85.5 | 2.4 |
| 100°-110° | 254.0 | 7.1 |
| 110°-120° | 430.8 | 12.0 |
| 120°-130° | 567.1 | 15.8 |
| 130°-140° | 635.4 | 17.7 |
| 140°-150° | 622.8 | 17.3 |
| 150°-160° | 523.2 | 14.6 |
| 160°-170° | 347.8 | 9.7 |
| 170°-180° | 121.7 | 3.4 |
| 0°-30° | 0.0 | 0.0 |
| 0°-40° | 0.0 | 0.0 |
| 0°-60° | 0.0 | 0.0 |
| 0°-90° | 2.0 | 0.1 |
| 90°-120° | 770.2 | 21.5 |
| 90°-150° | 2595.6 | 72.3 |
| 90°-180° | 3588.0 | 99.9 |
| 0°-180° | 3590.2 | 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 | 9 | 16 | 21 | 24 | 4 |
| 95° | 65 | 67 | 77 | 84 | 86 | 68 |
| 105° | 228 | 233 | 239 | 245 | 248 | 243 |
| 115° | 431 | 435 | 437 | 436 | 435 | 427 |
| 125° | 629 | 635 | 636 | 634 | 633 | 564 |
| 135° | 818 | 824 | 825 | 825 | 821 | 631 |
| 145° | 992 | 996 | 998 | 998 | 996 | 620 |
| 155° | 1135 | 1135 | 1136 | 1140 | 1135 | 523 |
| 165° | 1234 | 1232 | 1233 | 1237 | 1231 | 348 |
| 175° | 1283 | 1279 | 1279 | 1285 | 1278 | 122 |
| 180° | 1286 | 1286 | 1286 | 1286 | 1286 | |



TEST NUMBER: P335029

CATALOG NUMBER: S125IP-S1205U935-4F0-1E-UDD-1

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° | 1.0 | 9.0 | 16.0 | 21.0 | 24.0 |
| 92.5° | 30.0 | 35.0 | 44.0 | 51.0 | 53.0 |
| 95° | 65.0 | 67.0 | 77.0 | 84.0 | 86.0 |
| 97.5° | 100.1 | 101.1 | 115.1 | 121.1 | 122.1 |
| 100° | 140.1 | 140.1 | 153.1 | 162.1 | 164.1 |
| 102.5° | 183.1 | 188.1 | 193.1 | 203.1 | 206.1 |
| 105° | 228.1 | 233.1 | 239.1 | 245.1 | 248.1 |
| 107.5° | 277.1 | 282.1 | 287.2 | 290.2 | 290.2 |
| 110° | 328.2 | 333.2 | 336.2 | 339.2 | 338.2 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|--------|--------|--------|--------|--------|--------|
| 112.5° | 380.2 | 382.2 | 386.2 | 387.2 | 385.2 |
| 115° | 431.2 | 435.2 | 437.2 | 436.2 | 435.2 |
| 117.5° | 483.3 | 484.3 | 486.3 | 487.3 | 483.3 |
| 120° | 531.3 | 536.3 | 537.3 | 537.3 | 533.3 |
| 122.5° | 583.3 | 584.3 | 587.3 | 586.3 | 583.3 |
| 125° | 629.3 | 635.3 | 636.3 | 634.3 | 633.3 |
| 127.5° | 680.4 | 683.4 | 684.4 | 683.4 | 681.4 |
| 130° | 725.4 | 730.4 | 732.4 | 731.4 | 729.4 |
| 132.5° | 770.4 | 779.4 | 778.4 | 777.4 | 774.4 |
| 135° | 818.4 | 824.4 | 825.4 | 825.4 | 821.4 |
| 137.5° | 863.5 | 869.5 | 871.5 | 872.5 | 867.5 |
| 140° | 906.5 | 911.5 | 914.5 | 916.5 | 911.5 |
| 142.5° | 949.5 | 953.5 | 957.5 | 958.5 | 953.5 |
| 145° | 991.5 | 995.5 | 998.5 | 998.5 | 995.5 |
| 147.5° | 1030.5 | 1033.5 | 1035.5 | 1038.5 | 1030.5 |
| 150° | 1069.6 | 1068.6 | 1072.6 | 1072.6 | 1070.6 |
| 152.5° | 1101.6 | 1103.6 | 1104.6 | 1107.6 | 1103.6 |
| 155° | 1134.6 | 1134.6 | 1135.6 | 1139.6 | 1134.6 |
| 157.5° | 1164.6 | 1162.6 | 1163.6 | 1167.6 | 1160.6 |
| 160° | 1190.6 | 1187.6 | 1188.6 | 1192.6 | 1187.6 |
| 162.5° | 1213.6 | 1211.6 | 1211.6 | 1216.6 | 1210.6 |
| 165° | 1233.6 | 1231.6 | 1232.6 | 1236.6 | 1230.6 |
| 167.5° | 1251.7 | 1247.7 | 1247.7 | 1253.7 | 1247.7 |
| 170° | 1265.7 | 1261.7 | 1261.7 | 1267.7 | 1260.7 |
| 172.5° | 1275.7 | 1271.7 | 1271.7 | 1277.7 | 1271.7 |
| 175° | 1282.7 | 1278.7 | 1278.7 | 1284.7 | 1277.7 |
| 177.5° | 1287.7 | 1283.7 | 1282.7 | 1288.7 | 1281.7 |
| 180° | 1285.7 | 1285.7 | 1285.7 | 1285.7 | 1285.7 |

(END OF REPORT)