

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: STREETWORKS

Report Number: P881887

Luminaire Tested: **NVN-SB1C-730-U-T2**

Issue Date: 10/7/2024

Test Information

Test Method: LM-79-08
Report Number: P881887
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SB1C-730-U-T2
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3000K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7311 lumens
Efficiency: N/A
Efficacy: 134.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

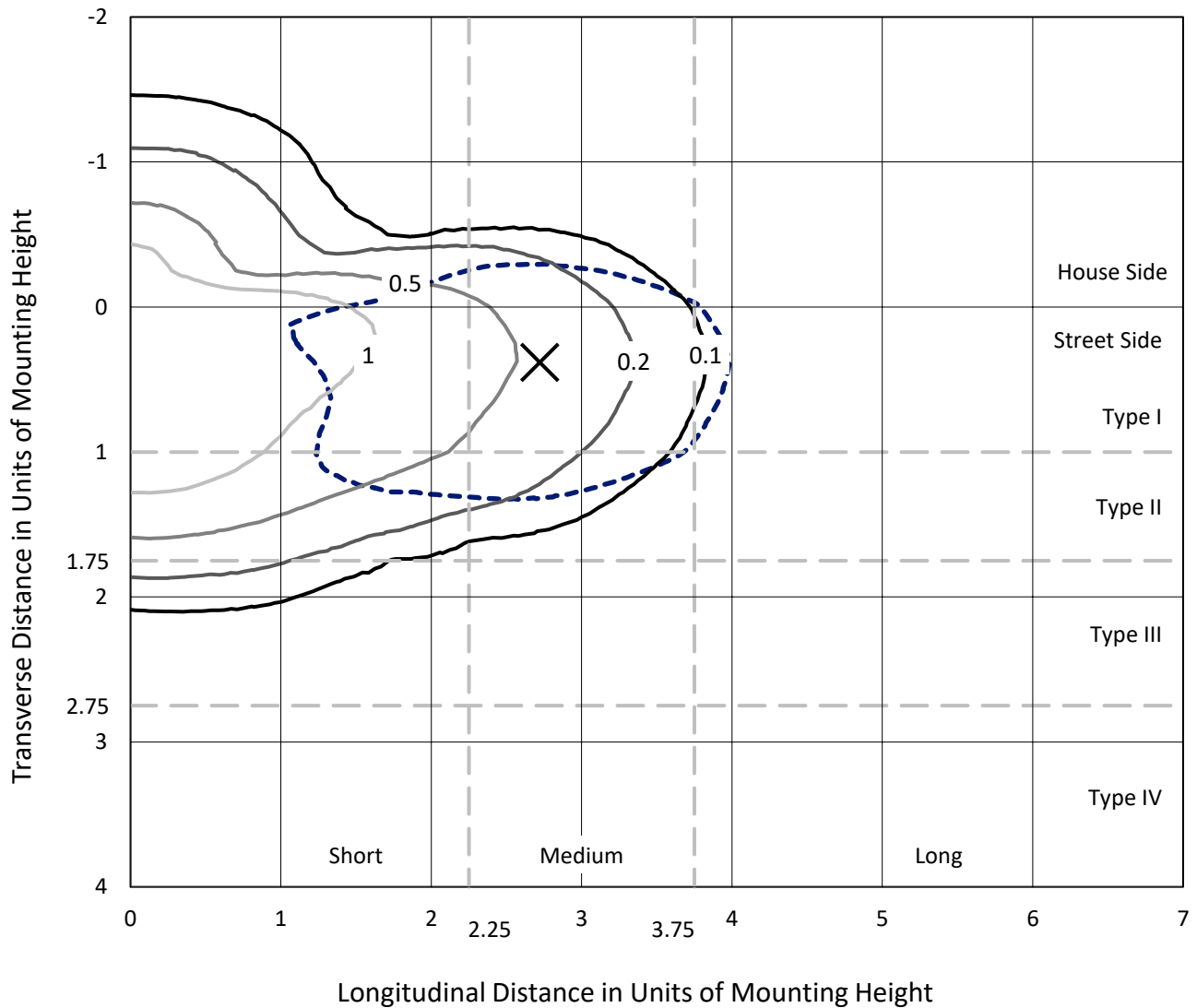
Input Watts (W): 54.4
Input Voltage (V): 120.0
Input Current (Ain): 0.437
Voltage Rise (V): NR
Power Factor: 0.993
Total Harmonic Distortion (THDi): 9.314
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

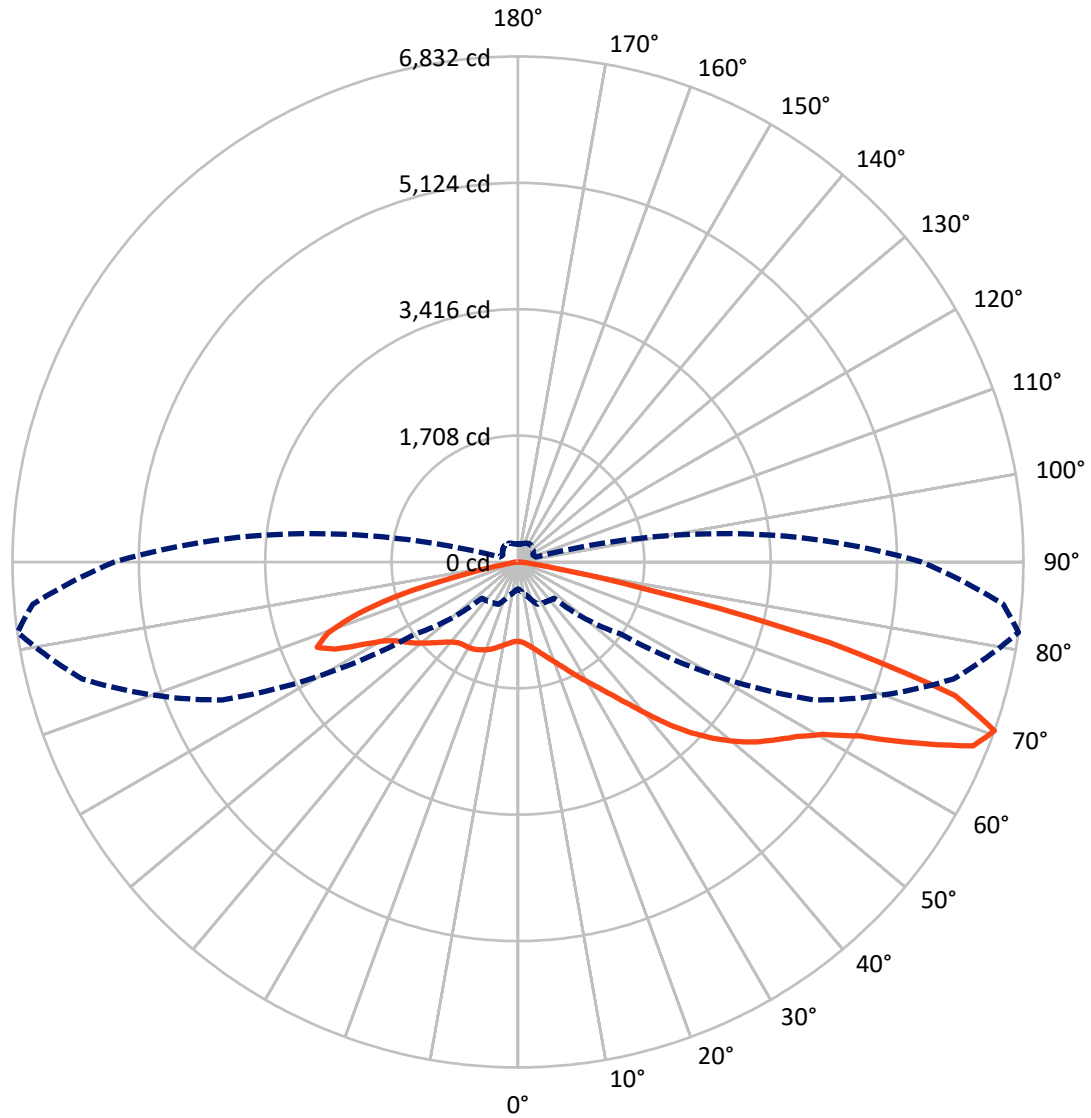
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1802.3	0.0	1802.3
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	5508.7	0.0	5508.7
	% Fixture	75.3	0.0	75.3
Total	Lumens	7311.0	0.0	7311.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.2	1.4
10°-20°	290.8	4.0
20°-30°	486.4	6.7
30°-40°	759.9	10.4
40°-50°	1210.3	16.6
50°-60°	1684.2	23.0
60°-70°	1761.8	24.1
70°-80°	920.8	12.6
80°-90°	95.6	1.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7311.0	100.0
0°-180°	7311.0	100.0

Coefficient of Utilization

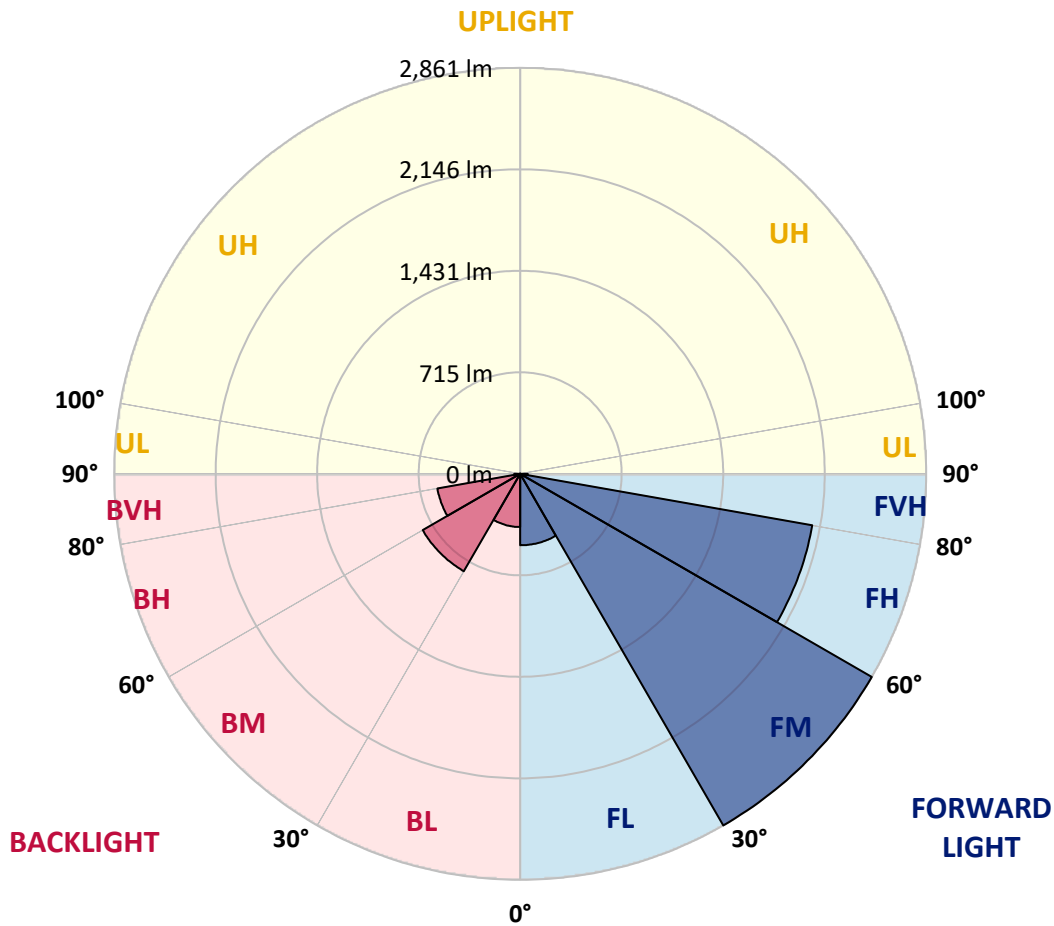


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	503.4	6.9			
FM (30°-60°)	2861.4	39.1			
FH (60°-80°)	2090.2	28.6			G2/5000
FVH (80°-90°)	53.5	0.7			G1/100
BL (0°-30°)	375.0	5.1	B1/500		
BM (30°-60°)	793.0	10.8	B1/1000		
BH (60°-80°)	592.3	8.1	B2/1000		G2/1000
BVH (80°-90°)	42.1	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	1071.9	1071.9	1071.9	1071.9	1071.9	1071.9	1071.9	1071.9	1071.9	1071.9	1071.9
2.5°	1097.5	1103.7	1101.8	1099.8	1099.8	1097.1	1096.7	1092.8	1089.7	1084.7	1083.5
5°	1111.5	1118.0	1117.3	1118.8	1123.9	1125.0	1126.2	1123.9	1117.7	1111.5	1108.7
7.5°	1099.0	1106.4	1108.7	1118.0	1133.6	1147.5	1158.0	1162.3	1156.5	1147.5	1143.3
10°	1057.1	1065.3	1073.4	1095.5	1123.1	1156.1	1184.0	1200.7	1199.5	1191.0	1183.6
12.5°	972.2	980.7	998.2	1041.2	1091.7	1149.9	1201.8	1236.8	1248.8	1242.6	1229.8
15°	904.3	911.7	924.9	969.1	1034.6	1123.1	1208.4	1276.3	1307.0	1303.5	1288.0
17.5°	902.4	905.5	913.6	934.6	985.0	1081.2	1201.5	1315.1	1373.7	1373.3	1353.9
20°	936.5	937.7	942.3	946.6	975.3	1049.4	1183.6	1347.3	1448.6	1448.6	1427.6
22.5°	983.8	983.0	987.7	983.8	997.8	1046.7	1172.4	1375.6	1532.0	1538.2	1511.8
25°	1054.8	1050.9	1049.8	1040.8	1043.6	1071.9	1184.8	1407.8	1630.9	1643.7	1610.7
27.5°	1149.5	1143.3	1139.0	1118.4	1111.5	1123.9	1222.8	1446.6	1741.1	1763.2	1721.3
30°	1272.8	1261.6	1255.4	1219.7	1194.5	1196.4	1280.2	1498.2	1856.3	1892.0	1838.8
32.5°	1441.2	1423.7	1407.1	1348.5	1302.3	1287.2	1354.3	1569.6	1981.2	2038.2	1970.0
35°	1629.7	1615.8	1597.9	1507.5	1436.5	1401.6	1454.4	1669.3	2127.5	2217.9	2129.0
37.5°	1811.3	1799.3	1807.8	1686.0	1594.4	1543.6	1585.5	1803.2	2307.9	2441.3	2328.4
40°	1999.1	1989.8	1990.9	1874.5	1767.9	1710.8	1744.6	1971.1	2514.6	2707.1	2568.2
42.5°	2203.1	2196.1	2172.9	2069.7	1949.8	1896.6	1927.7	2165.1	2736.5	3009.7	2831.2
45°	2431.6	2427.4	2405.6	2287.3	2150.0	2090.2	2132.1	2379.2	2959.6	3294.4	3095.4
47.5°	2629.1	2632.6	2629.9	2530.2	2387.8	2300.1	2350.2	2602.7	3167.2	3562.1	3348.7
50°	2724.1	2742.4	2769.1	2738.1	2649.6	2560.4	2570.1	2818.4	3365.0	3813.1	3591.6
52.5°	2674.5	2709.0	2781.9	2831.6	2865.7	2847.1	2821.1	3032.5	3551.2	4039.6	3821.2
55°	2489.4	2537.9	2659.0	2778.8	2953.0	3088.4	3122.5	3270.0	3732.8	4239.0	4038.5
57.5°	2152.3	2231.1	2339.7	2582.1	2875.4	3205.2	3474.0	3599.3	3925.2	4452.0	4265.8
60°	1574.3	1679.8	1814.8	2175.6	2603.9	3142.7	3773.1	4105.2	4198.7	4727.9	4561.8
62.5°	1007.5	1072.7	1196.8	1536.6	2028.9	2822.7	3864.7	4737.5	4662.3	5180.2	5005.6
65°	689.8	731.7	845.3	1036.2	1311.6	2101.1	3619.5	5211.6	5398.6	5897.1	5764.4
67.5°	501.2	533.0	630.0	797.2	854.6	1243.4	2808.7	5189.9	6114.4	6635.7	6429.4
70°	365.4	387.9	469.4	630.0	657.6	691.7	1701.5	4411.7	6098.8	6832.0	6584.9
72.5°	270.8	286.3	341.0	488.8	532.3	467.1	842.2	3206.3	5240.7	6179.5	5981.3
75°	195.9	207.5	247.9	374.0	426.0	355.7	420.1	1873.8	3655.6	4346.9	4381.8
77.5°	149.7	158.7	185.0	273.9	341.0	266.9	260.7	862.0	1733.3	1741.9	1839.6
80°	120.3	126.1	140.4	192.8	261.5	199.8	169.9	348.0	547.8	463.6	486.5
82.5°	88.5	98.1	118.7	135.4	187.0	137.7	103.6	175.7	208.3	179.2	180.8
85°	50.4	57.0	71.8	97.0	119.5	84.2	59.4	78.0	97.0	79.5	71.0
87.5°	17.8	23.3	25.2	38.0	52.0	34.9	22.9	22.5	31.8	23.7	19.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1071.9	1071.9	1071.9	1071.9	1071.9	1071.9	1071.9	1071.9	1071.9	1071.9	1071.9
2.5°	1079.6	1077.7	1069.9	1059.5	1048.6	1038.1	1034.6	1027.3	1022.2	1019.5	1022.6
5°	1101.4	1095.2	1076.9	1053.7	1029.2	1002.8	984.2	967.1	954.7	943.1	947.7
7.5°	1132.4	1121.5	1090.1	1049.4	1005.9	962.1	929.5	904.7	888.0	877.1	879.5
10°	1168.5	1151.8	1103.7	1042.8	975.7	912.8	874.4	853.1	842.6	836.8	838.3
12.5°	1210.0	1186.3	1117.7	1027.7	929.5	857.7	831.4	825.2	825.5	825.9	826.7
15°	1261.2	1228.2	1128.9	994.7	869.4	815.5	810.8	820.9	831.4	836.4	836.0
17.5°	1319.0	1272.5	1130.9	940.4	810.4	788.3	803.0	824.8	840.7	847.7	849.2
20°	1381.1	1317.5	1116.9	863.6	761.9	766.2	792.6	820.5	838.0	846.9	849.2
22.5°	1452.1	1365.6	1083.5	782.9	722.3	742.1	773.2	800.3	818.6	827.5	829.8
25°	1533.1	1419.5	1031.2	715.0	688.2	715.0	746.0	768.5	783.3	791.4	793.7
27.5°	1623.1	1475.7	961.3	661.1	658.3	687.0	712.6	730.1	737.9	744.1	746.4
30°	1713.5	1526.9	876.7	620.3	632.3	659.5	677.7	685.5	687.8	689.0	691.7
32.5°	1811.3	1571.2	787.9	586.6	607.5	632.7	643.6	647.1	636.2	628.9	631.2
35°	1929.6	1618.5	701.0	559.8	583.1	604.8	608.3	605.2	592.4	577.3	578.0
37.5°	2075.9	1677.5	631.6	540.8	560.2	574.5	570.3	569.5	570.7	552.8	554.0
40°	2255.1	1754.3	580.7	526.0	541.6	544.7	532.6	539.2	545.1	517.9	518.7
42.5°	2454.1	1847.0	548.6	516.0	526.0	518.7	500.1	507.4	506.7	471.0	470.6
45°	2657.0	1947.9	537.3	508.6	511.7	497.0	476.4	478.3	462.0	429.8	431.0
47.5°	2858.7	2056.1	544.3	502.4	493.9	477.2	461.3	452.7	428.7	404.6	404.6
50°	3056.6	2169.8	569.9	490.0	469.4	459.7	448.1	432.9	407.3	386.8	385.2
52.5°	3240.1	2284.2	598.6	469.4	438.8	444.6	437.2	419.8	394.5	373.6	374.0
55°	3413.9	2398.6	609.8	441.1	410.1	431.4	427.1	394.9	364.7	347.6	346.0
57.5°	3603.2	2536.4	597.4	405.0	386.8	416.3	400.0	364.3	346.8	334.0	332.9
60°	3865.5	2752.4	570.7	360.4	364.7	393.8	365.8	351.1	332.1	317.7	316.9
62.5°	4301.1	3155.5	527.6	316.2	338.7	360.4	349.5	334.8	315.4	301.4	301.4
65°	4945.1	3715.7	446.5	281.6	309.6	327.8	332.1	317.3	297.2	282.4	283.2
67.5°	5488.2	4067.2	337.9	252.9	279.7	301.4	313.5	299.1	277.8	263.4	263.8
70°	5458.3	3811.9	258.0	224.6	253.3	275.4	291.0	279.7	256.8	243.2	244.4
72.5°	4848.1	3188.9	208.7	195.9	226.6	248.3	266.9	258.4	235.1	221.9	221.9
75°	3561.7	2263.6	166.8	166.8	193.2	220.0	240.5	235.1	213.8	204.4	201.7
77.5°	1501.3	949.7	130.7	138.5	160.6	188.9	214.5	216.5	197.9	209.5	190.1
80°	399.2	261.9	99.7	109.0	126.1	156.0	186.6	185.8	165.7	154.8	143.9
82.5°	152.1	103.2	71.0	76.8	91.2	119.5	147.8	152.5	132.3	114.4	114.4
85°	58.6	44.2	43.8	46.2	53.1	79.1	111.7	115.6	99.7	84.6	87.3
87.5°	15.1	13.2	16.3	15.5	24.4	42.3	64.0	66.3	60.9	35.3	50.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)