

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: P962376

Luminaire Tested: **NVN-SB2C-722-U-T4FT-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P962376
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SB2C-722-U-T4FT-HSS
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9602.2 lumens
Efficiency: N/A
Efficacy: 95.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

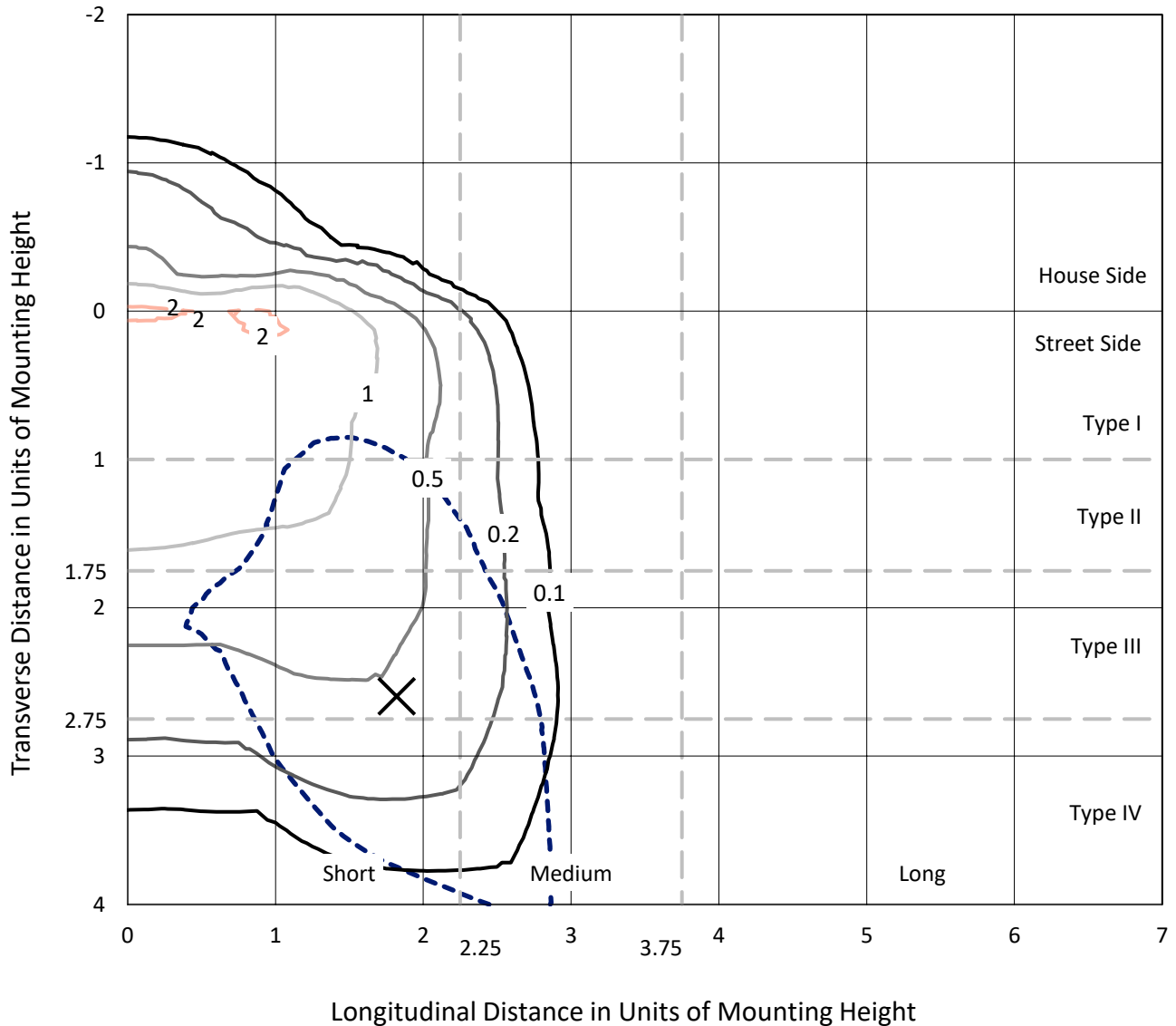
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

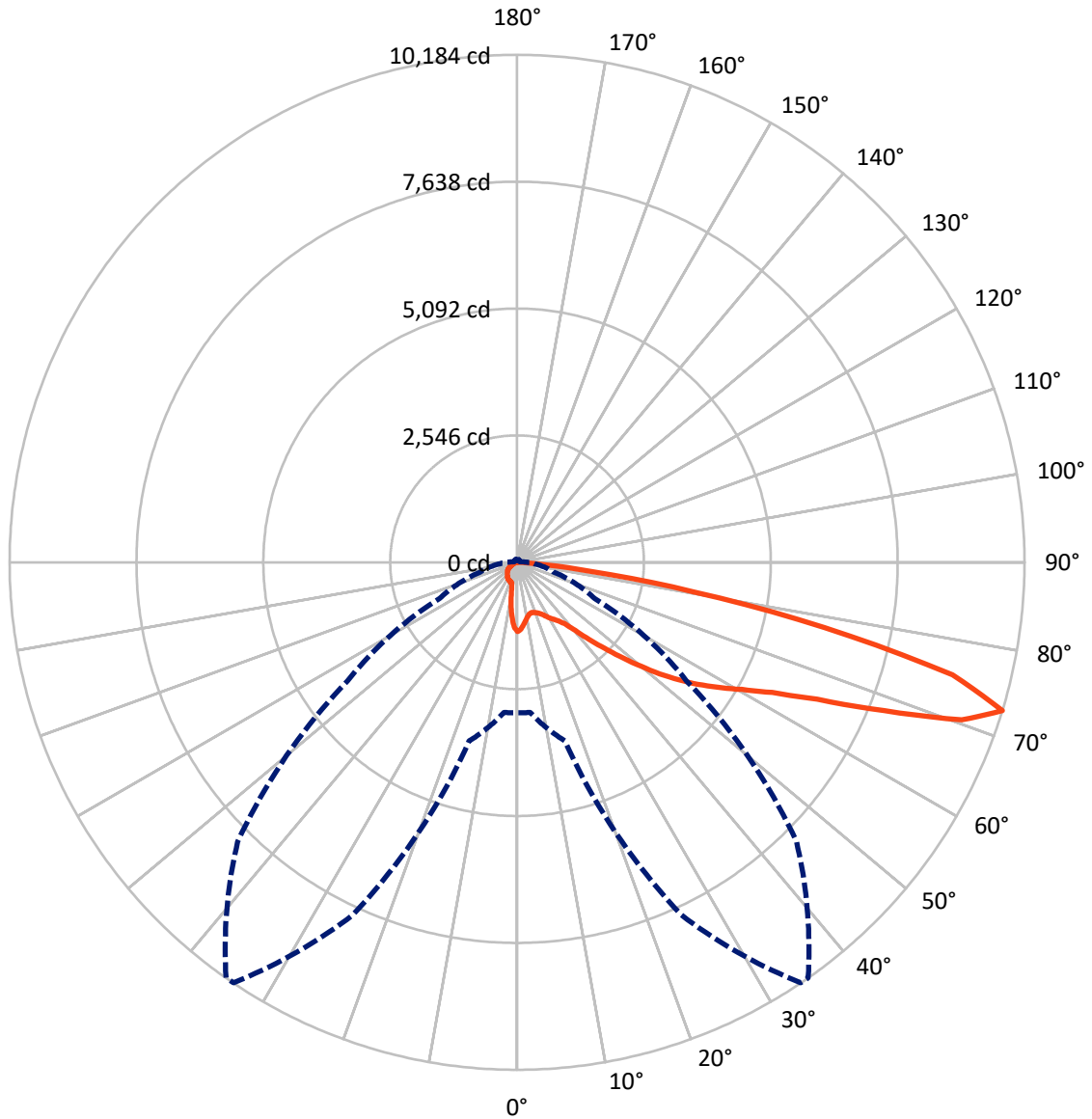
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
 Type IV - Short - N/A

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CATALOG NUMBER: NVN-SB2C-722-U-T4FT-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1080.7	0.0	1080.7
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	8521.5	0.0	8521.5
	% Fixture	88.7	0.0	88.7
Total	Lumens	9602.2	0.0	9602.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.4	1.2
10°-20°	267.5	2.8
20°-30°	434.6	4.5
30°-40°	725.1	7.6
40°-50°	1371.9	14.3
50°-60°	2180.0	22.7
60°-70°	2696.8	28.1
70°-80°	1676.4	17.5
80°-90°	135.5	1.4
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°	9602.2	100.0
0°-180°	9602.2	100.0

Coefficient of Utilization



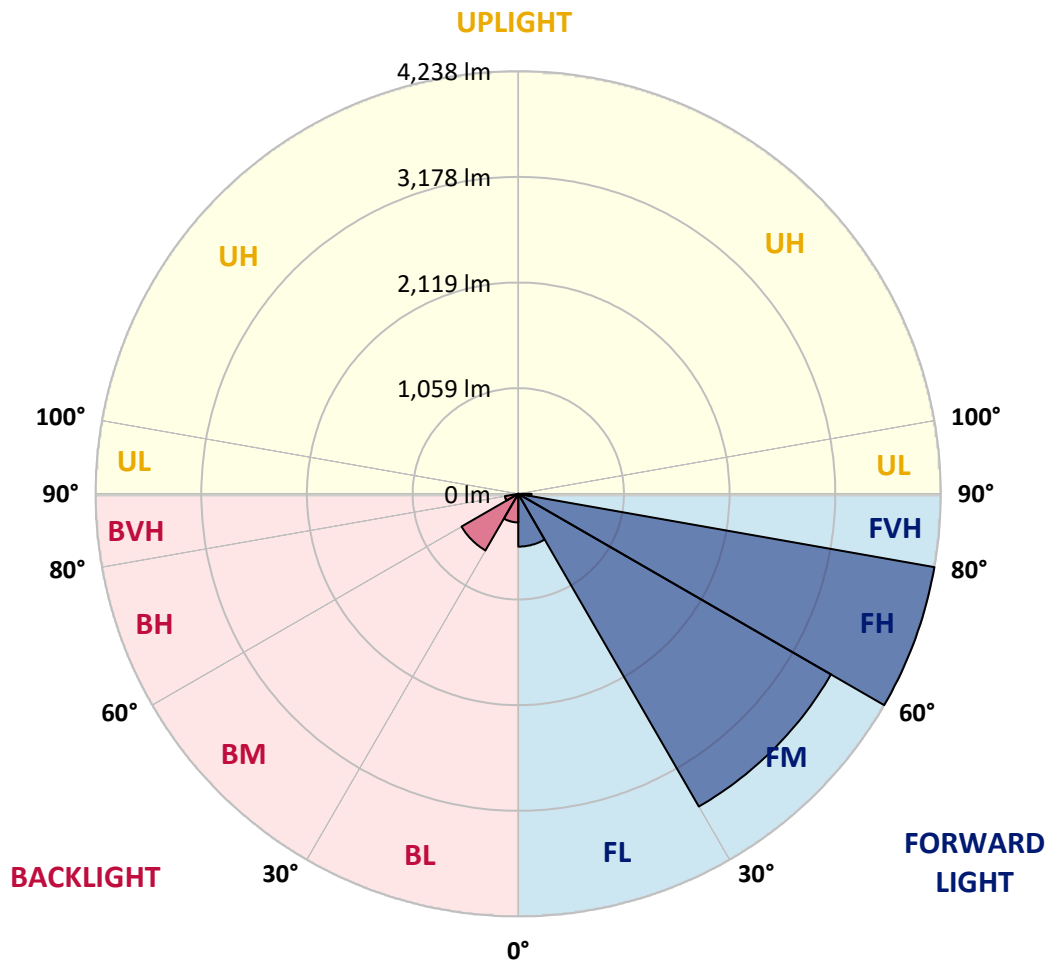
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	529.3	5.5			
FM	(30°-60°)	3621.0	37.7			
FH	(60°-80°)	4237.6	44.1			G2/5000
FVH	(80°-90°)	133.6	1.4			G2/225
BL	(0°-30°)	287.2	3.0	B1/500		
BM	(30°-60°)	656.1	6.8	B1/1000		
BH	(60°-80°)	135.6	1.4	B1/500		G1/500
BVH	(80°-90°)	1.8	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	1391.6	1391.6	1391.6	1391.6	1391.6	1391.6	1391.6	1391.6	1391.6	1391.6	1391.6
2.5°	1329.7	1341.0	1343.2	1346.6	1346.6	1350.8	1357.9	1367.8	1384.0	1392.4	1398.0
5°	1225.6	1234.1	1244.7	1253.1	1269.3	1271.4	1298.8	1325.5	1362.8	1391.0	1410.7
7.5°	1120.8	1130.7	1144.7	1165.1	1186.2	1192.6	1234.1	1279.1	1338.2	1391.0	1424.0
10°	1046.9	1047.7	1060.3	1080.7	1114.5	1122.2	1172.9	1236.9	1310.8	1382.5	1436.7
12.5°	1005.4	1010.3	1016.0	1031.5	1063.8	1068.8	1122.9	1198.2	1283.3	1377.6	1451.5
15°	1005.4	1008.9	1012.5	1020.2	1046.2	1050.4	1098.3	1173.5	1269.3	1379.8	1475.4
17.5°	1016.0	1021.6	1018.7	1028.0	1055.3	1058.2	1100.4	1166.6	1268.5	1393.1	1512.0
20°	1041.3	1045.5	1039.9	1045.5	1073.0	1078.6	1122.2	1179.9	1280.5	1416.3	1557.7
22.5°	1081.4	1083.5	1070.1	1074.4	1102.5	1109.6	1160.2	1217.9	1309.3	1453.6	1619.0
25°	1132.0	1136.3	1115.9	1120.8	1147.5	1156.0	1214.4	1274.9	1355.0	1505.0	1697.0
27.5°	1190.4	1192.6	1175.0	1174.2	1208.8	1220.7	1279.8	1345.2	1416.3	1569.7	1795.5
30°	1257.3	1263.6	1246.7	1243.9	1287.5	1297.4	1355.8	1431.8	1506.3	1666.8	1935.5
32.5°	1310.1	1315.0	1305.1	1312.2	1356.5	1364.3	1448.0	1554.2	1647.8	1804.7	2126.3
35°	1386.0	1388.9	1366.3	1379.0	1429.7	1449.4	1573.9	1725.9	1825.8	1977.7	2375.3
37.5°	1661.1	1661.1	1565.5	1502.9	1551.4	1569.0	1746.3	1941.9	2045.3	2209.9	2689.1
40°	2041.8	2035.4	1895.4	1767.4	1761.1	1795.5	1991.9	2214.2	2328.8	2488.6	3042.3
42.5°	2447.8	2437.9	2247.2	2120.6	2099.5	2111.4	2275.4	2549.8	2666.5	2828.4	3422.2
45°	2808.0	2805.2	2630.7	2460.4	2422.4	2460.4	2629.2	2942.4	3026.1	3196.4	3801.4
47.5°	3109.8	3109.8	2982.4	2871.3	2851.7	2874.1	3108.4	3377.9	3370.1	3588.2	4170.8
50°	3457.4	3454.6	3333.6	3285.7	3306.1	3337.8	3660.1	3836.6	3726.2	3973.1	4500.8
52.5°	3700.9	3717.7	3676.2	3668.5	3772.6	3827.5	4220.0	4285.5	4044.9	4338.3	4747.8
55°	3893.6	3913.3	3961.1	4015.3	4215.8	4287.6	4762.6	4711.2	4311.6	4654.8	4889.9
57.5°	4166.6	4138.4	4212.3	4319.2	4643.7	4730.2	5288.1	5112.9	4526.1	4911.7	4905.3
60°	4498.0	4502.2	4514.9	4649.9	5070.7	5181.9	5805.9	5492.9	4664.1	5069.3	4733.7
62.5°	4896.2	4902.6	4928.6	5136.2	5644.2	5748.9	6357.6	5803.9	4727.4	5025.0	4290.4
65°	4868.8	4895.5	5186.1	5896.0	6515.8	6619.2	7001.4	6022.0	4631.7	4619.7	3493.3
67.5°	4435.4	4478.9	4965.2	6803.6	7830.2	7945.5	7779.4	6064.8	4218.7	3592.5	2278.9
70°	3866.9	3882.4	4467.1	7619.7	9352.0	9468.7	8476.0	5592.7	3201.3	2003.8	1020.9
72.5°	3019.8	3023.2	3709.3	7809.1	10177.9	10184.3	7929.3	4151.9	1721.7	769.7	354.6
75°	2157.2	2136.1	2484.3	6333.0	8954.5	9026.3	5944.6	1947.5	657.8	363.8	176.6
77.5°	1156.7	1179.9	1405.8	3755.7	6185.9	6308.3	3243.5	561.5	334.9	247.6	116.7
80°	357.4	377.1	576.3	1719.5	3503.9	3577.7	1202.4	249.8	233.6	176.6	76.7
82.5°	112.5	116.7	268.8	722.6	1454.3	1488.1	348.3	141.4	159.7	116.7	45.0
85°	32.4	33.1	119.6	269.5	359.6	366.5	97.8	54.8	91.4	72.5	23.3
87.5°	3.5	11.3	45.0	45.0	31.7	31.0	10.6	12.0	26.0	9.1	4.2
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°	1391.6	1391.6	1391.6	1391.6	1391.6	1391.6	1391.6	1391.6	1391.6	1391.6	1391.6
2.5°	1394.5	1395.2	1386.0	1370.5	1353.7	1339.6	1322.0	1308.0	1298.1	1295.3	1300.2
5°	1404.4	1399.4	1373.4	1326.2	1270.0	1221.4	1167.3	1124.3	1096.1	1084.2	1088.4
7.5°	1419.1	1405.1	1348.1	1255.2	1147.5	1051.9	954.8	879.4	831.6	807.7	811.2
10°	1431.8	1403.6	1305.8	1152.5	987.8	842.9	712.1	621.3	570.6	546.6	547.3
12.5°	1443.7	1402.9	1251.0	1030.7	807.7	630.4	508.7	463.7	449.6	444.6	443.2
15°	1466.3	1405.1	1182.0	891.4	628.3	476.3	432.0	431.3	434.1	432.7	432.0
17.5°	1497.2	1407.1	1103.9	743.6	484.7	420.0	417.9	424.2	428.4	426.4	425.7
20°	1537.3	1415.6	1020.9	597.4	416.6	406.0	410.9	416.6	420.0	416.6	415.8
22.5°	1593.6	1430.4	930.1	479.8	394.7	397.5	401.7	408.1	411.6	406.7	406.0
25°	1662.6	1453.6	840.8	417.2	384.2	387.7	394.0	401.1	405.3	400.4	399.6
27.5°	1751.9	1490.9	758.5	403.1	373.6	375.7	384.9	395.4	401.1	394.7	394.7
30°	1881.4	1552.1	687.4	409.5	367.3	362.3	375.0	389.8	396.2	390.5	389.8
32.5°	2053.1	1638.7	643.8	419.3	364.5	346.9	358.9	377.8	388.4	384.9	384.9
35°	2278.2	1770.2	626.9	430.6	362.3	330.7	339.2	359.6	377.8	381.3	381.3
37.5°	2551.2	1953.1	631.8	435.5	356.0	317.3	321.5	339.2	363.1	374.3	377.1
40°	2861.5	2166.3	660.0	430.6	349.0	306.1	306.8	320.1	341.2	358.1	363.8
42.5°	3181.6	2415.4	712.1	412.3	342.7	296.2	294.1	303.2	317.3	329.2	334.2
45°	3486.2	2671.5	763.4	386.9	334.9	286.4	281.5	285.0	287.7	292.7	295.5
47.5°	3752.2	2851.7	748.7	363.8	324.3	275.1	266.7	265.3	256.8	256.1	255.4
50°	3935.8	2891.0	664.9	340.5	308.8	262.4	249.1	240.7	225.8	218.8	219.6
52.5°	3994.2	2735.5	543.1	317.3	283.5	245.6	226.5	213.2	194.9	188.6	187.9
55°	3916.8	2430.9	434.1	289.2	248.4	223.0	201.9	184.3	169.5	161.8	161.8
57.5°	3727.5	2043.2	343.4	256.1	211.0	197.7	176.6	159.0	146.4	138.6	137.2
60°	3413.8	1622.5	271.6	216.7	180.1	170.3	148.4	137.2	126.0	116.7	114.7
62.5°	2937.4	1158.0	213.2	171.7	150.6	139.3	126.7	118.2	104.9	92.1	90.1
65°	2292.3	708.5	164.6	126.0	121.1	115.4	107.6	99.9	83.7	71.0	69.0
67.5°	1445.9	335.6	117.5	95.0	95.7	92.9	89.4	83.0	71.0	59.8	58.4
70°	636.7	162.6	77.4	72.5	71.0	71.0	73.9	71.8	60.5	49.9	47.9
72.5°	216.7	87.2	57.7	54.8	51.4	50.6	61.9	59.8	48.6	38.7	36.6
75°	113.3	58.4	42.2	39.4	31.0	37.3	49.2	46.4	34.4	25.3	23.3
77.5°	73.9	41.5	28.8	25.3	17.6	24.6	36.6	32.4	20.4	12.7	11.3
80°	46.4	27.5	16.9	12.0	8.4	13.3	19.7	14.0	7.8	2.8	2.2
82.5°	24.6	14.0	6.4	4.2	3.5	4.2	4.9	3.5	1.4	0.0	0.0
85°	9.8	4.9	2.2	1.4	0.7	0.0	1.4	0.7	0.0	0.0	0.0
87.5°	3.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)