

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: P322917

Luminaire Tested: **GAN-SA3B-750-U-T4W-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P322917
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-19)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA3B-750-U-T4W-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 5000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12644 lumens
Efficiency: N/A
Efficacy: 102.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

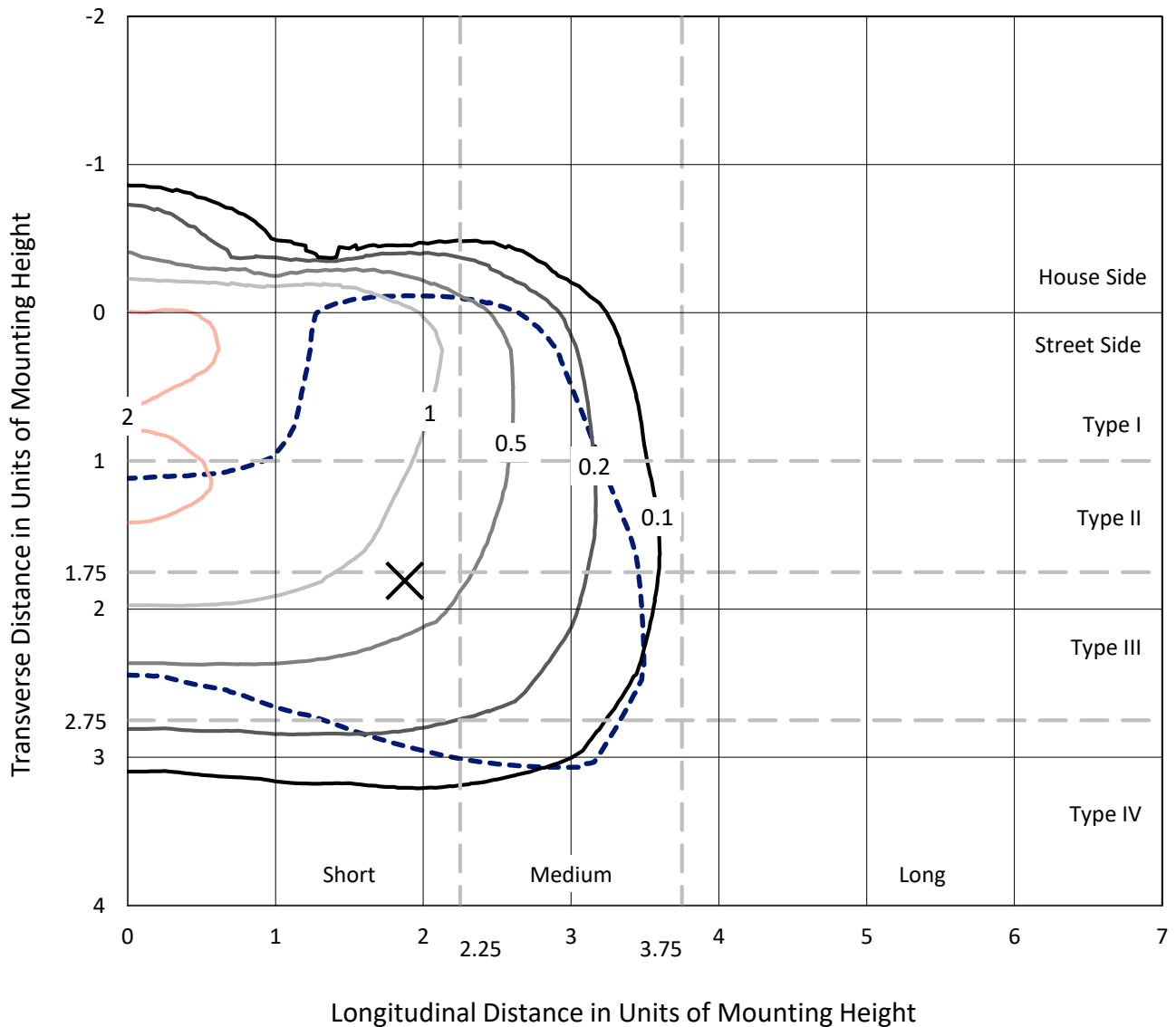
Input Watts (W): 124
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

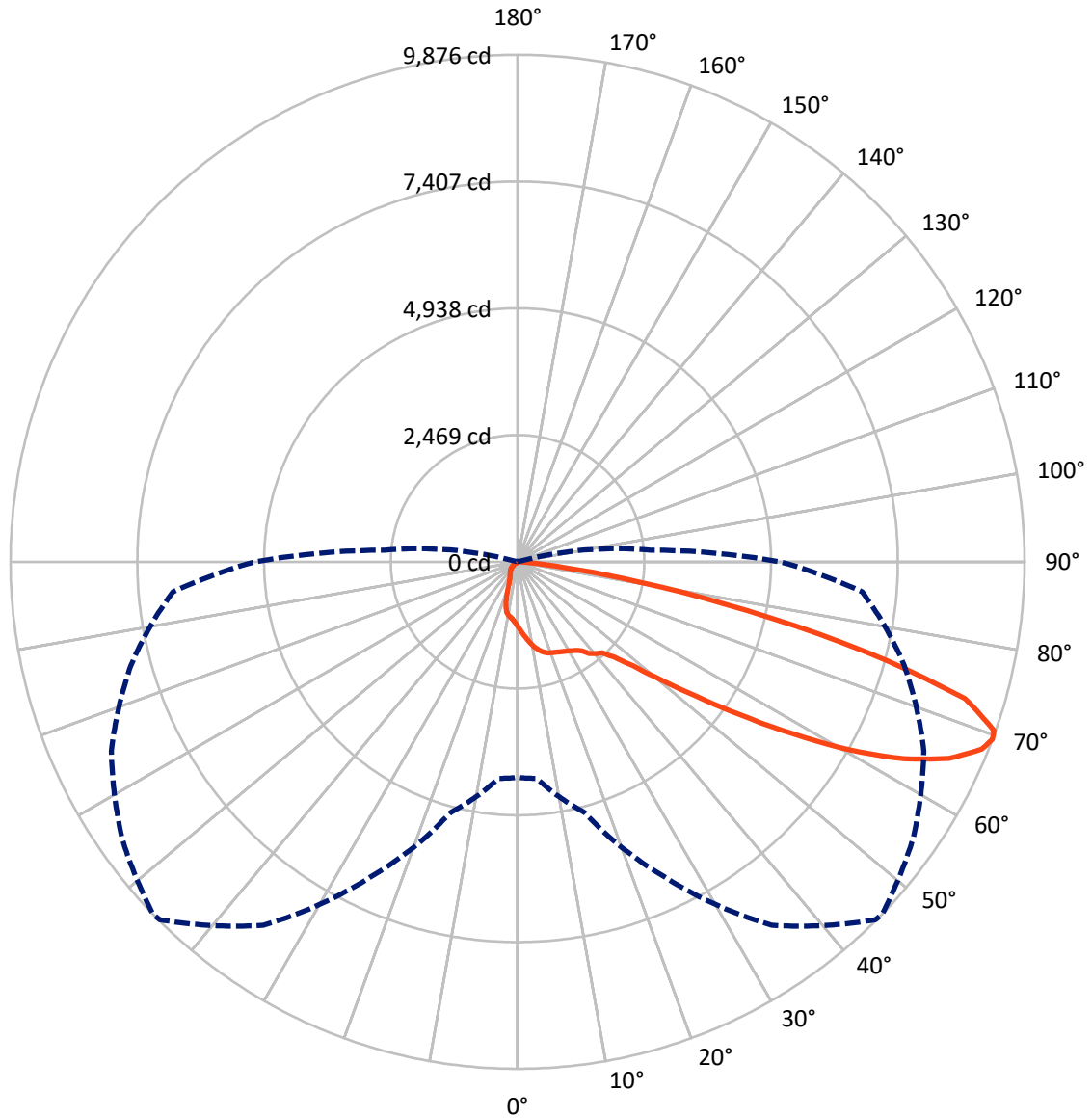
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1297.6	0.0	1297.6
	% Fixture	10.3	0.0	10.3
Street Side	Lumens	11346.4	0.0	11346.4
	% Fixture	89.7	0.0	89.7
Total	Lumens	12644.0	0.0	12644.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.1	1.0
10°-20°	382.6	3.0
20°-30°	601.6	4.8
30°-40°	862.7	6.8
40°-50°	1491.1	11.8
50°-60°	2945.9	23.3
60°-70°	4117.1	32.6
70°-80°	1989.0	15.7
80°-90°	127.8	1.0
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°	12644.0	100.0
0°-180°	12644.0	100.0

Coefficient of Utilization

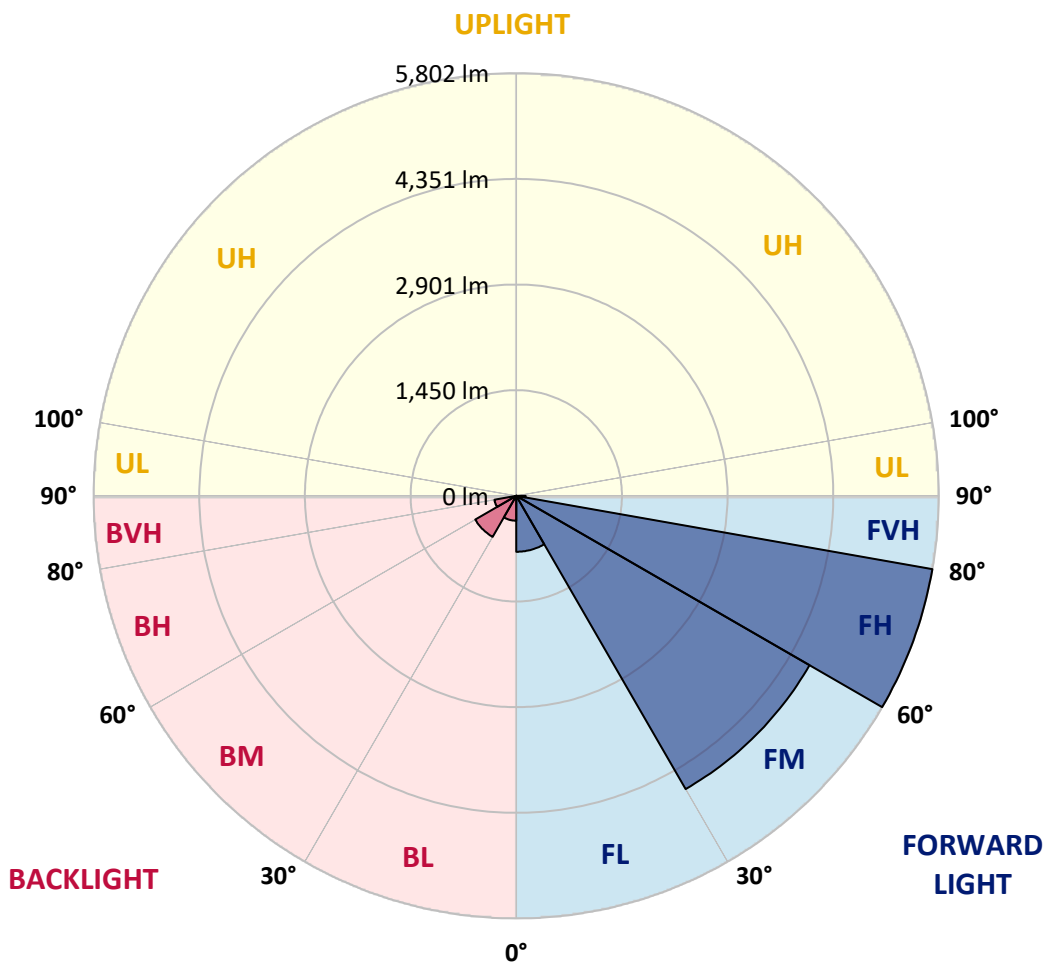


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	768.3	6.1			
FM (30°-60°)	4649.5	36.8			
FH (60°-80°)	5801.9	45.9			G3/7500
FVH (80°-90°)	126.8	1.0			G2/225
BL (0°-30°)	342.0	2.7	B1/500		
BM (30°-60°)	650.3	5.1	B1/1000		
BH (60°-80°)	304.3	2.4	B1/500		G1/500
BVH (80°-90°)	1.1	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-G3
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	1266.9	1266.9	1266.9	1266.9	1266.9	1266.9	1266.9	1266.9	1266.9	1266.9	1266.9
2.5°	1407.4	1405.6	1397.3	1393.7	1373.6	1361.7	1357.0	1342.2	1320.8	1299.5	1275.8
5°	1567.4	1566.9	1551.4	1536.6	1498.7	1463.1	1456.6	1422.2	1374.2	1329.1	1284.1
7.5°	1731.1	1723.4	1707.9	1679.5	1624.4	1567.4	1562.1	1513.5	1445.3	1380.1	1315.5
10°	1869.8	1865.0	1844.9	1801.6	1737.0	1672.4	1665.9	1606.0	1528.9	1448.9	1366.5
12.5°	1977.7	1974.1	1947.5	1893.5	1824.7	1757.7	1748.9	1695.5	1613.1	1523.6	1426.4
15°	2043.5	2041.7	2009.1	1951.6	1884.0	1825.9	1818.2	1771.4	1694.9	1601.2	1491.6
17.5°	2058.9	2059.5	2025.7	1967.6	1911.9	1870.4	1864.5	1828.9	1764.9	1671.8	1556.8
20°	2024.5	2031.6	2001.4	1951.0	1916.6	1894.7	1889.9	1868.6	1814.7	1726.9	1608.9
22.5°	1975.9	1979.5	1958.7	1924.9	1910.7	1914.8	1912.5	1900.6	1855.0	1774.3	1660.5
25°	1946.3	1946.3	1933.8	1905.4	1914.8	1940.3	1940.9	1938.6	1902.4	1832.4	1723.4
27.5°	1945.1	1941.5	1927.3	1906.0	1932.0	1971.2	1973.5	1989.5	1967.0	1903.0	1801.6
30°	1992.5	1988.4	1958.1	1930.3	1963.5	2005.5	2011.5	2046.5	2035.2	1979.5	1888.8
32.5°	2103.4	2088.5	2021.6	1975.9	2000.8	2051.2	2058.9	2114.6	2132.4	2073.7	1972.9
35°	2255.1	2208.3	2111.7	2062.5	2064.8	2117.6	2124.7	2206.5	2259.3	2160.3	2038.2
37.5°	2464.4	2441.3	2284.2	2152.6	2163.2	2243.3	2264.0	2352.9	2338.1	2207.7	2112.3
40°	2923.3	2887.1	2719.9	2405.1	2257.5	2345.2	2351.8	2399.2	2400.4	2315.0	2266.4
42.5°	3548.1	3533.3	3357.2	2863.4	2443.1	2413.4	2425.3	2505.3	2594.8	2541.5	2539.1
45°	4239.9	4232.2	4045.5	3471.6	2818.3	2636.9	2651.7	2759.0	2930.4	2942.2	3017.5
47.5°	4796.6	4793.0	4685.7	4150.4	3392.8	3015.7	3020.5	3134.3	3435.5	3584.3	3704.6
50°	5304.1	5321.3	5236.5	4884.9	4175.3	3609.2	3597.9	3673.8	4157.5	4401.2	4550.6
52.5°	6009.5	6033.8	5796.1	5570.2	4996.4	4345.5	4336.6	4416.0	5025.4	5208.0	5234.7
55°	6632.6	6591.1	6403.2	6338.0	5997.7	5254.9	5252.5	5322.4	5864.9	5942.5	5991.8
57.5°	6907.7	6891.7	6982.4	7131.8	7046.4	6329.7	6324.3	6271.0	6616.0	6624.3	6775.5
60°	7081.4	7100.9	7379.0	7839.6	8052.4	7486.3	7451.9	7126.4	7333.3	7315.0	7476.8
62.5°	6951.0	6989.5	7489.8	8257.6	8805.3	8495.9	8447.3	7910.2	7946.3	7882.9	8033.5
65°	6258.5	6318.4	7138.3	8178.7	9178.8	9284.9	9235.7	8602.0	8433.0	8328.7	8245.1
67.5°	5081.8	5117.3	5973.4	7492.8	9010.5	9755.6	9745.6	9208.5	8800.6	8253.4	7604.8
69°	4199.6	4234.6	5058.6	6770.7	8639.9	9856.4	9876.0	9402.9	8730.6	7795.7	6738.1
70°	3557.0	3594.3	4362.1	6151.8	8210.1	9809.6	9844.6	9384.5	8530.3	7265.7	5977.5
72.5°	1865.6	1897.7	2685.5	4238.2	6693.1	9007.5	9113.6	8591.3	7230.8	5276.8	3534.5
75°	586.3	604.7	1048.7	2215.4	4582.6	7003.7	7028.0	6739.3	5134.5	2902.5	1472.0
77.5°	223.5	218.2	349.2	816.3	2316.8	4410.1	4558.9	4211.5	2694.4	1026.2	339.7
80°	120.3	120.9	181.4	337.9	991.2	2266.4	2392.1	2041.1	957.4	320.1	78.3
82.5°	52.2	54.5	102.0	179.0	455.3	835.9	898.7	748.2	365.8	215.2	29.0
85°	11.3	12.4	49.2	97.2	185.6	234.8	246.0	242.5	233.0	167.2	11.3
87.5°	0.0	0.0	21.9	35.0	46.8	53.4	46.8	61.1	128.6	112.6	5.9
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°	1266.9	1266.9	1266.9	1266.9	1266.9	1266.9	1266.9	1266.9	1266.9	1266.9	1266.9
2.5°	1268.1	1257.4	1239.0	1218.9	1204.6	1189.8	1178.0	1172.6	1166.7	1162.5	1167.9
5°	1265.7	1244.9	1209.4	1175.0	1150.1	1129.9	1113.3	1106.8	1100.3	1095.6	1095.0
7.5°	1286.4	1257.4	1202.9	1152.5	1113.9	1086.7	1064.1	1054.6	1046.9	1043.4	1040.4
10°	1326.2	1288.8	1215.9	1150.1	1100.3	1054.1	1005.4	968.1	943.8	932.5	928.4
12.5°	1377.7	1330.9	1240.8	1162.5	1090.2	1001.3	898.1	809.2	751.7	732.7	721.5
15°	1438.2	1380.1	1273.4	1178.5	1053.5	891.0	716.1	599.9	546.6	535.9	524.1
17.5°	1496.3	1432.3	1312.5	1181.5	972.8	712.0	524.7	445.8	425.1	432.2	434.0
20°	1547.3	1483.9	1351.1	1155.4	826.4	534.1	406.1	386.5	394.2	407.9	410.2
22.5°	1598.9	1533.7	1386.6	1086.7	639.1	405.5	365.8	370.5	378.2	391.9	394.2
25°	1661.7	1594.1	1419.8	960.4	479.6	345.0	347.4	354.5	362.2	374.7	375.9
27.5°	1734.0	1670.6	1441.8	796.2	355.7	317.2	324.9	335.5	343.2	355.1	357.5
30°	1830.1	1771.4	1448.9	626.0	298.2	292.3	295.8	308.9	320.1	330.8	332.6
32.5°	1920.2	1871.0	1425.2	472.5	276.3	269.1	269.1	276.9	289.9	300.0	302.3
35°	2003.2	1971.2	1349.3	345.6	259.7	247.8	241.9	241.9	250.2	258.5	260.8
37.5°	2112.9	2111.7	1226.6	275.7	243.7	230.0	217.6	208.1	205.1	206.9	208.1
40°	2300.8	2302.6	1066.5	247.2	230.0	211.6	192.7	175.5	159.5	154.1	153.5
42.5°	2594.2	2567.6	898.7	233.6	218.2	192.7	164.2	141.1	116.2	108.5	107.9
45°	3060.2	2901.9	720.9	221.1	205.7	171.3	135.8	104.3	84.2	78.3	78.3
47.5°	3739.0	3341.2	558.4	207.5	189.1	147.0	102.6	75.3	61.7	58.7	59.3
50°	4440.9	3771.6	428.0	190.3	169.0	121.5	75.9	54.5	46.8	46.8	47.4
52.5°	5063.4	4087.0	333.8	171.9	144.1	95.4	57.5	42.7	39.1	38.5	39.1
55°	5646.1	4290.3	255.5	150.6	114.4	71.1	43.9	35.0	32.6	31.4	30.8
57.5°	6208.1	4391.1	191.5	121.5	83.0	51.6	35.0	29.6	27.3	25.5	24.9
60°	6582.2	4309.3	131.6	89.5	57.5	37.3	29.0	25.5	22.5	20.7	20.2
62.5°	6793.3	4085.8	84.8	64.6	40.9	27.9	23.1	21.3	17.2	15.4	15.4
65°	6707.9	3717.1	59.3	46.2	29.6	20.7	17.2	17.2	12.4	10.1	9.5
67.5°	5944.3	3140.2	45.1	34.4	21.3	15.4	13.0	14.8	7.7	4.7	4.7
69°	5114.4	2602.5	38.5	28.5	17.8	12.4	11.3	13.6	5.3	3.6	3.0
70°	4445.1	2245.1	35.0	24.9	14.8	10.7	10.1	13.0	5.3	3.0	2.4
72.5°	2659.4	1252.1	26.7	17.8	9.5	8.3	8.3	14.8	5.3	3.0	2.4
75°	1074.8	441.1	19.6	12.4	7.1	7.1	10.1	19.0	4.7	2.4	1.8
77.5°	243.7	96.6	11.3	7.7	4.7	7.1	11.9	14.8	3.0	1.2	0.0
80°	59.3	23.7	7.1	4.7	3.0	5.3	8.9	8.3	0.6	0.0	0.0
82.5°	19.6	8.3	3.0	2.4	0.6	1.8	4.1	2.4	0.0	0.0	0.0
85°	8.3	4.7	1.2	0.6	0.0	0.0	0.6	0.0	0.0	0.0	0.0
87.5°	5.3	1.8	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)