

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: P200615

Luminaire Tested: **GAP-AF-01-LED-U-SL3-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200615
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24288)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAP-AF-01-LED-U-SL3-8030
Description: GALLEON PEDESTRIAN LUMINAIRE
(1) 80 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5188 lumens
Efficiency: N/A
Efficacy: 87.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G2

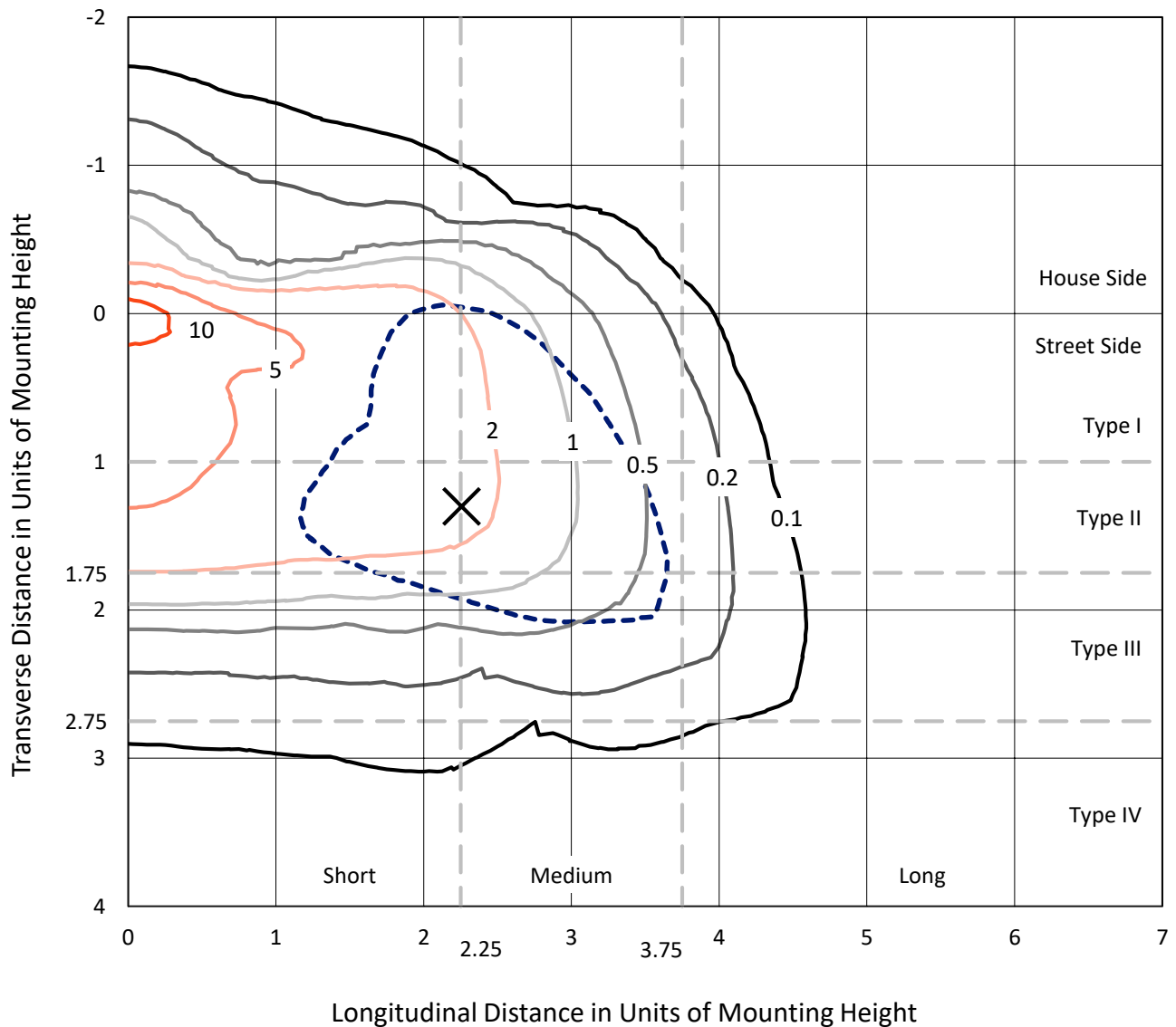
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

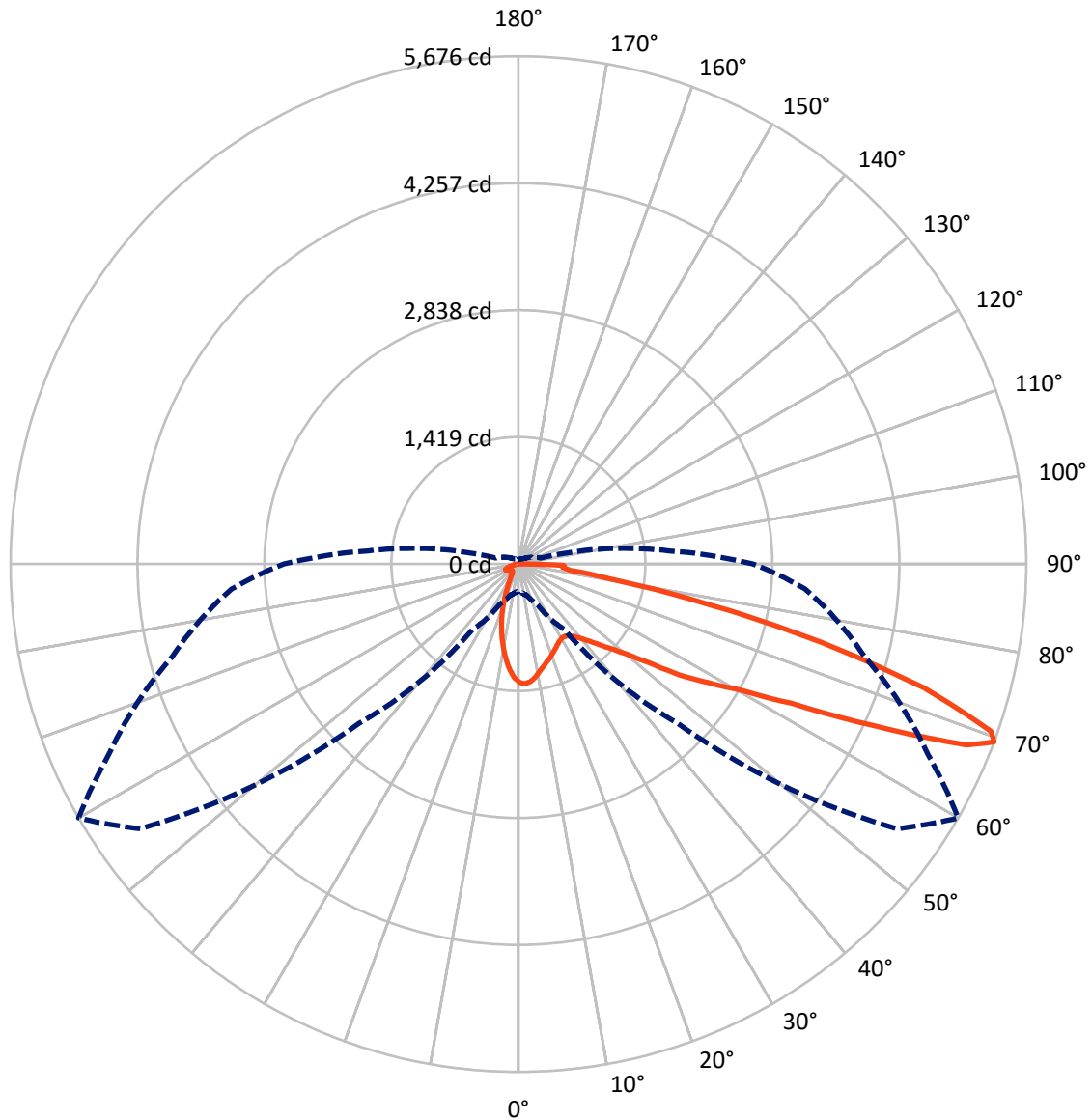
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.2 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	738.1	0.0	738.1
	% Fixture	14.2	0.0	14.2
Street Side	Lumens	4449.9	0.0	4449.9
	% Fixture	85.8	0.0	85.8
Total	Lumens	5188.0	0.0	5188.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.8	2.2
10°-20°	238.2	4.6
20°-30°	303.4	5.8
30°-40°	417.2	8.0
40°-50°	676.9	13.0
50°-60°	1085.6	20.9
60°-70°	1444.8	27.8
70°-80°	780.1	15.0
80°-90°	130.2	2.5
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°	5188.0	100.0
0°-180°	5188.0	100.0

Coefficient of Utilization



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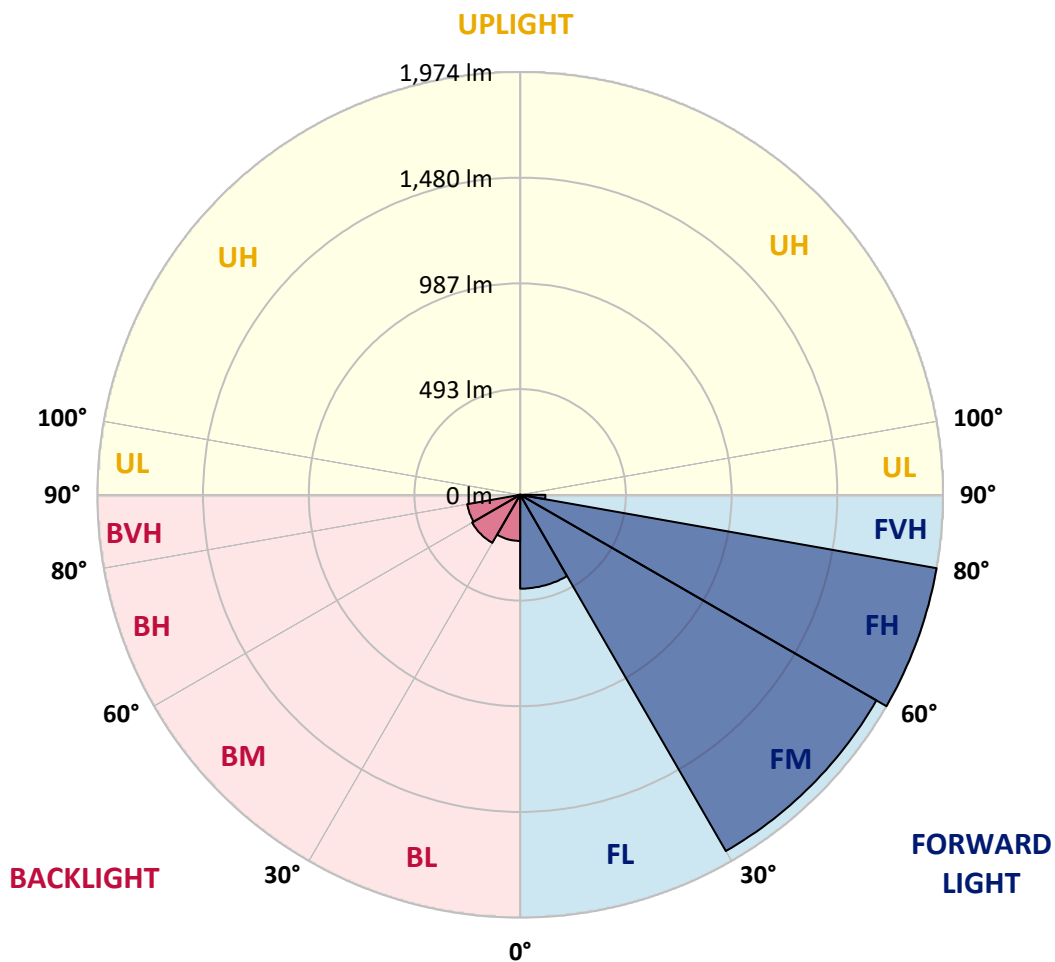
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	438.1	8.4			
FM (30°-60°)	1920.3	37.0			
FH (60°-80°)	1973.9	38.0			G2/5000
FVH (80°-90°)	117.6	2.3			G2/225
BL (0°-30°)	215.3	4.2	B1/500		
BM (30°-60°)	259.3	5.0	B1/1000		
BH (60°-80°)	250.9	4.8	B1/500		G1/500
BVH (80°-90°)	12.5	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1322.0	1322.0	1322.0	1322.0	1322.0	1322.0	1322.0	1322.0	1322.0	1322.0	1322.0
2.5°	1349.0	1352.1	1350.8	1350.0	1352.3	1348.8	1341.5	1339.3	1335.8	1327.5	1313.5
5°	1298.4	1307.4	1306.9	1313.7	1325.0	1328.0	1324.7	1325.2	1318.7	1308.4	1285.1
7.5°	1211.0	1214.7	1216.7	1231.5	1252.1	1268.6	1282.6	1287.1	1284.1	1275.4	1245.3
10°	1120.7	1123.7	1128.5	1145.8	1171.9	1194.7	1221.2	1236.5	1243.0	1241.5	1208.0
12.5°	1043.3	1046.3	1052.6	1072.1	1103.2	1131.3	1169.9	1188.9	1204.4	1213.7	1177.6
15°	973.9	980.4	986.4	1009.0	1043.8	1080.6	1124.2	1148.3	1172.4	1193.2	1150.8
17.5°	919.7	926.3	929.8	950.3	987.4	1032.5	1083.6	1112.0	1142.0	1176.1	1124.2
20°	888.4	891.4	889.9	901.5	934.8	982.7	1043.3	1076.1	1112.5	1160.1	1097.7
22.5°	879.7	879.9	874.4	873.1	894.7	935.0	1000.2	1040.0	1084.7	1149.6	1074.9
25°	901.0	900.2	885.2	872.9	875.1	898.7	958.6	1005.0	1061.3	1147.3	1057.3
27.5°	948.3	950.6	928.3	905.2	882.4	881.7	927.0	975.9	1042.3	1157.6	1049.8
30°	1014.7	1018.5	994.7	965.4	922.5	887.2	914.7	958.6	1030.5	1178.9	1048.6
32.5°	1087.4	1091.4	1073.4	1042.5	986.4	921.3	923.3	960.1	1030.0	1208.7	1057.1
35°	1164.8	1169.4	1160.1	1134.0	1071.6	984.2	955.8	984.4	1046.3	1254.3	1079.9
37.5°	1251.3	1258.3	1260.8	1236.0	1169.4	1067.1	1009.2	1030.5	1083.1	1317.7	1121.7
40°	1375.9	1385.6	1384.9	1349.3	1281.4	1179.1	1091.7	1097.2	1140.5	1402.4	1188.7
42.5°	1614.4	1616.5	1554.0	1476.6	1404.7	1296.9	1188.9	1184.4	1219.7	1509.7	1287.1
45°	1917.9	1909.7	1770.8	1621.2	1533.5	1432.3	1315.5	1293.4	1320.2	1640.5	1410.4
47.5°	2169.8	2150.8	1975.3	1768.8	1669.8	1579.4	1464.1	1425.5	1440.3	1788.9	1569.8
50°	2257.3	2243.0	2097.6	1891.6	1798.9	1758.8	1647.0	1592.4	1596.4	1965.8	1756.5
52.5°	2238.5	2236.5	2139.5	1972.6	1919.7	1947.3	1906.2	1832.2	1793.1	2162.3	1958.0
55°	2194.1	2198.4	2163.3	2066.8	2057.8	2129.2	2244.7	2190.1	2068.6	2360.5	2166.3
57.5°	2040.0	2051.0	2128.2	2185.3	2280.1	2386.3	2517.4	2501.9	2365.0	2574.8	2413.9
60°	1643.5	1669.1	1876.1	2162.3	2508.9	2841.2	2899.8	2863.7	2670.8	2840.7	2740.9
62.5°	1151.6	1178.1	1424.2	1872.1	2471.3	3355.0	3583.5	3427.9	3109.9	3232.4	3164.2
65°	616.5	629.3	817.2	1298.9	2086.3	3461.0	4582.7	4345.9	3805.1	3715.3	3526.4
67.5°	340.1	347.1	419.0	655.9	1336.3	3047.7	5219.3	5398.2	4673.9	4036.9	3460.5
69°	307.5	314.0	361.1	496.7	894.2	2519.9	5157.1	5675.6	5054.9	4005.0	3216.9
70°	300.7	306.7	349.1	457.9	723.8	2077.1	4948.8	5604.7	5145.6	3891.0	3004.3
72.5°	270.7	277.2	318.3	411.3	618.5	1035.5	3920.1	4738.8	4671.7	3373.7	2278.8
75°	252.4	258.4	328.1	402.7	592.2	655.4	2584.3	3492.5	3434.1	2360.0	1228.8
77.5°	108.0	107.5	152.1	340.8	601.0	634.6	1388.6	2181.8	1990.6	1008.7	352.9
80°	72.2	70.9	72.2	100.2	551.1	638.1	727.5	1107.5	836.5	257.1	173.9
82.5°	62.2	61.1	63.4	61.1	193.7	728.3	618.5	588.9	397.7	146.1	86.2
85°	41.9	40.1	54.6	54.9	91.5	647.1	696.7	497.5	321.8	86.7	42.6
87.5°	20.0	19.5	31.8	38.8	53.6	262.9	781.7	509.7	324.5	44.4	20.3
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°	1322.0	1322.0	1322.0	1322.0	1322.0	1322.0	1322.0	1322.0	1322.0	1322.0	1322.0
2.5°	1309.2	1298.9	1288.9	1276.9	1264.3	1250.3	1243.3	1236.3	1234.5	1232.5	1225.5
5°	1273.1	1258.6	1233.5	1205.9	1176.9	1148.6	1127.0	1113.5	1103.2	1097.9	1088.7
7.5°	1226.5	1205.2	1161.3	1113.7	1064.9	1020.2	981.6	957.3	934.3	923.5	911.2
10°	1182.1	1150.3	1082.1	1012.0	941.8	874.4	811.0	766.1	726.3	704.0	688.2
12.5°	1144.0	1100.4	1006.0	911.0	814.7	718.8	623.8	549.1	486.7	453.9	437.1
15°	1107.0	1054.3	933.5	813.0	689.4	558.9	434.1	349.4	297.7	277.2	270.2
17.5°	1073.4	1006.0	860.9	714.2	560.1	402.2	291.7	245.1	225.3	218.5	216.3
20°	1037.0	957.1	785.4	611.0	425.3	281.2	227.8	207.3	199.2	197.2	196.2
22.5°	1001.9	909.0	713.2	500.5	305.5	217.0	195.7	187.2	186.0	187.7	187.7
25°	972.1	865.9	635.3	384.9	224.3	182.7	175.2	173.2	177.9	184.5	185.7
27.5°	949.8	830.5	552.4	284.2	178.7	158.9	158.6	161.9	173.7	186.2	188.7
30°	934.5	796.9	463.6	205.0	149.9	139.8	143.9	150.9	168.2	186.0	190.7
32.5°	926.8	772.1	371.2	158.6	128.3	122.8	129.6	138.1	155.1	171.7	177.9
35°	932.8	753.8	283.9	132.3	113.3	109.0	116.0	124.3	134.3	141.3	146.1
37.5°	955.3	746.6	214.3	118.5	103.0	99.0	104.5	109.3	113.3	115.3	117.5
40°	1004.0	754.3	171.7	111.5	97.2	92.2	94.5	96.2	98.7	100.7	101.7
42.5°	1075.6	777.7	153.9	108.8	94.2	87.0	86.5	87.2	90.5	94.2	95.0
45°	1175.9	818.8	152.6	110.5	92.7	82.7	80.4	81.4	86.5	92.2	93.2
47.5°	1303.9	881.4	162.6	115.8	94.0	80.4	76.7	77.9	84.2	92.0	93.2
50°	1459.1	968.9	179.4	123.6	99.5	80.9	75.4	76.2	82.7	91.2	92.5
52.5°	1642.3	1092.9	197.7	131.1	105.3	84.2	76.4	74.7	80.7	88.2	89.7
55°	1846.0	1252.1	216.5	137.8	108.3	88.2	78.4	72.7	76.9	83.2	84.5
57.5°	2096.1	1474.6	249.1	144.4	110.3	91.0	80.4	70.7	72.2	76.7	77.7
60°	2434.7	1789.4	306.5	155.1	114.8	92.0	80.2	68.9	67.4	69.9	70.4
62.5°	2840.4	2131.2	354.4	168.7	122.3	92.7	78.7	67.7	63.4	63.4	63.9
65°	3081.3	2222.7	327.8	179.9	128.6	92.0	76.9	66.4	60.4	57.6	57.9
67.5°	2877.0	1954.8	280.9	182.2	128.3	88.5	74.2	64.2	57.4	53.1	52.9
69°	2621.2	1686.6	259.9	176.2	122.3	84.0	70.7	61.7	55.1	50.6	50.4
70°	2414.9	1523.0	246.1	169.7	115.8	80.7	67.9	59.4	53.4	49.1	48.6
72.5°	1755.8	997.9	210.3	145.9	95.5	67.7	58.6	52.1	47.6	45.1	44.6
75°	877.4	475.9	170.7	118.3	73.2	54.1	48.1	43.6	41.4	40.8	40.6
77.5°	288.2	218.0	122.0	88.2	54.4	42.4	38.8	35.6	35.1	36.6	36.1
80°	158.4	126.8	77.4	58.4	37.1	31.1	30.6	28.8	29.6	32.1	31.6
82.5°	80.7	65.9	47.9	35.1	25.1	22.3	24.3	23.3	24.3	26.6	26.3
85°	39.8	36.1	30.3	21.3	16.5	14.3	17.3	18.0	18.5	20.3	20.3
87.5°	23.1	21.3	16.0	10.0	8.3	7.5	10.0	9.8	11.5	12.5	12.3
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)