

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: P269796

Luminaire Tested: **GAW-AF-01-LED-U-SL3-7027-800**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P269796
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: GAW-AF-01-LED-U-SL3-7027-800
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 2700K, 800mA 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: 4462.8 lumens
Efficiency: N/A
Efficacy: 101.4 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): 44
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

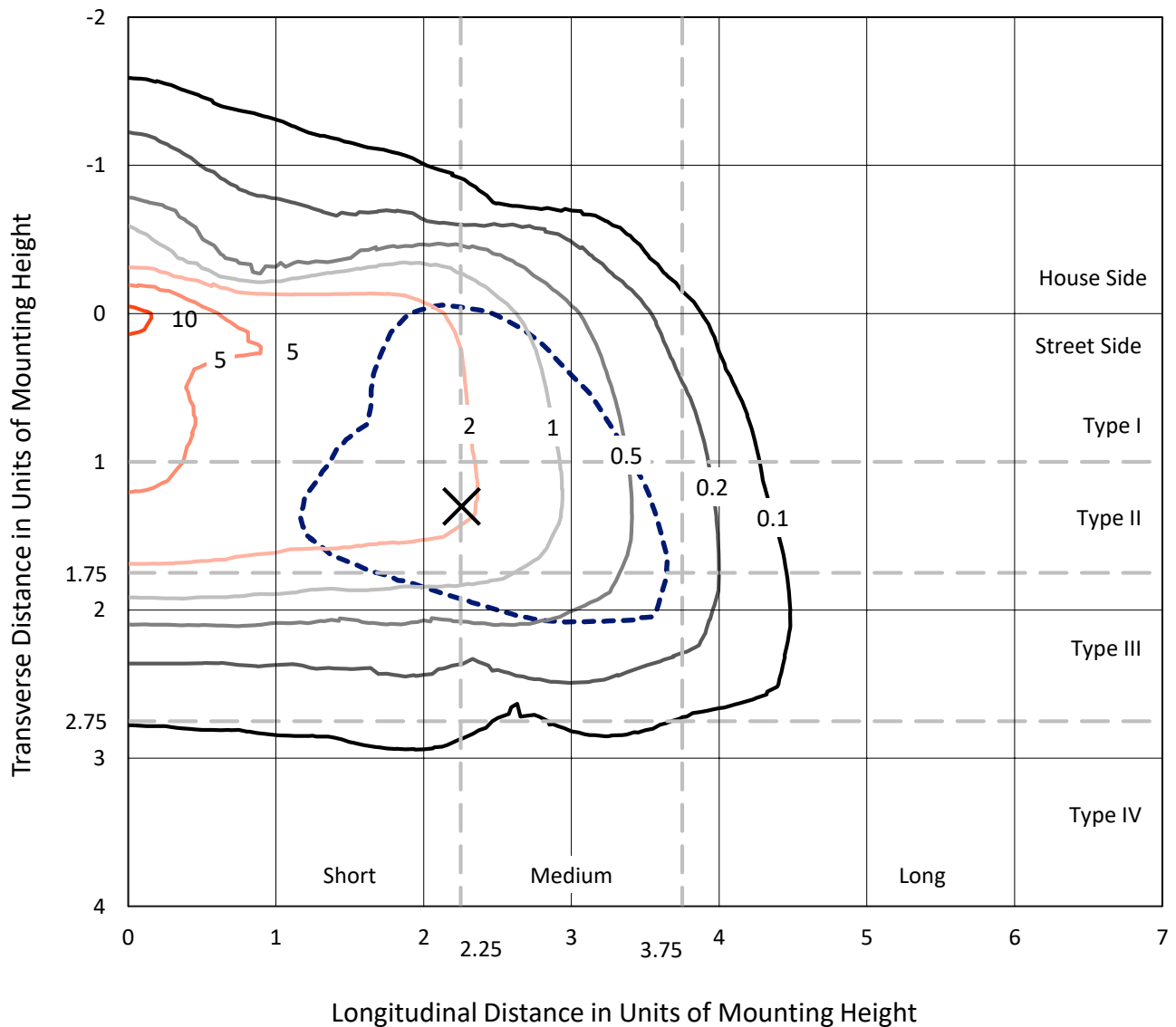


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

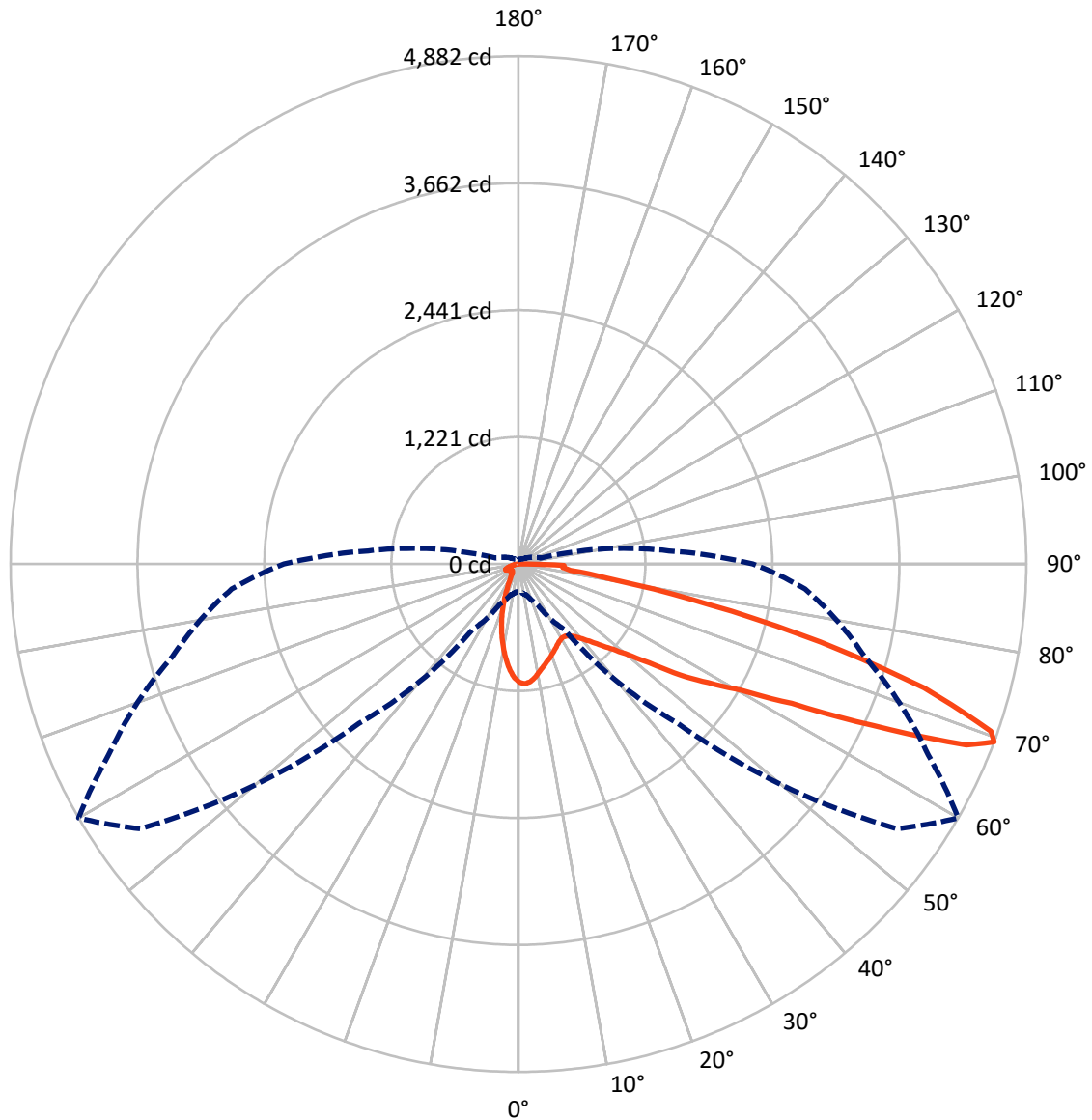


Based on 10 foot mounting height. Maximum calculated value = 11.4 fc
 Type III - Medium - Non-Cutoff

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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	634.9	0.0	634.9
	% Fixture	14.2	0.0	14.2
Street Side	Lumens	3827.9	0.0	3827.9
	% Fixture	85.8	0.0	85.8
Total	Lumens	4462.8	0.0	4462.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.2	2.2
10°-20°	204.9	4.6
20°-30°	261.0	5.8
30°-40°	358.9	8.0
40°-50°	582.3	13.0
50°-60°	933.8	20.9
60°-70°	1242.8	27.8
70°-80°	671.0	15.0
80°-90°	112.0	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°	4462.8	100.0
0°-180°	4462.8	100.0

Coefficient of Utilization



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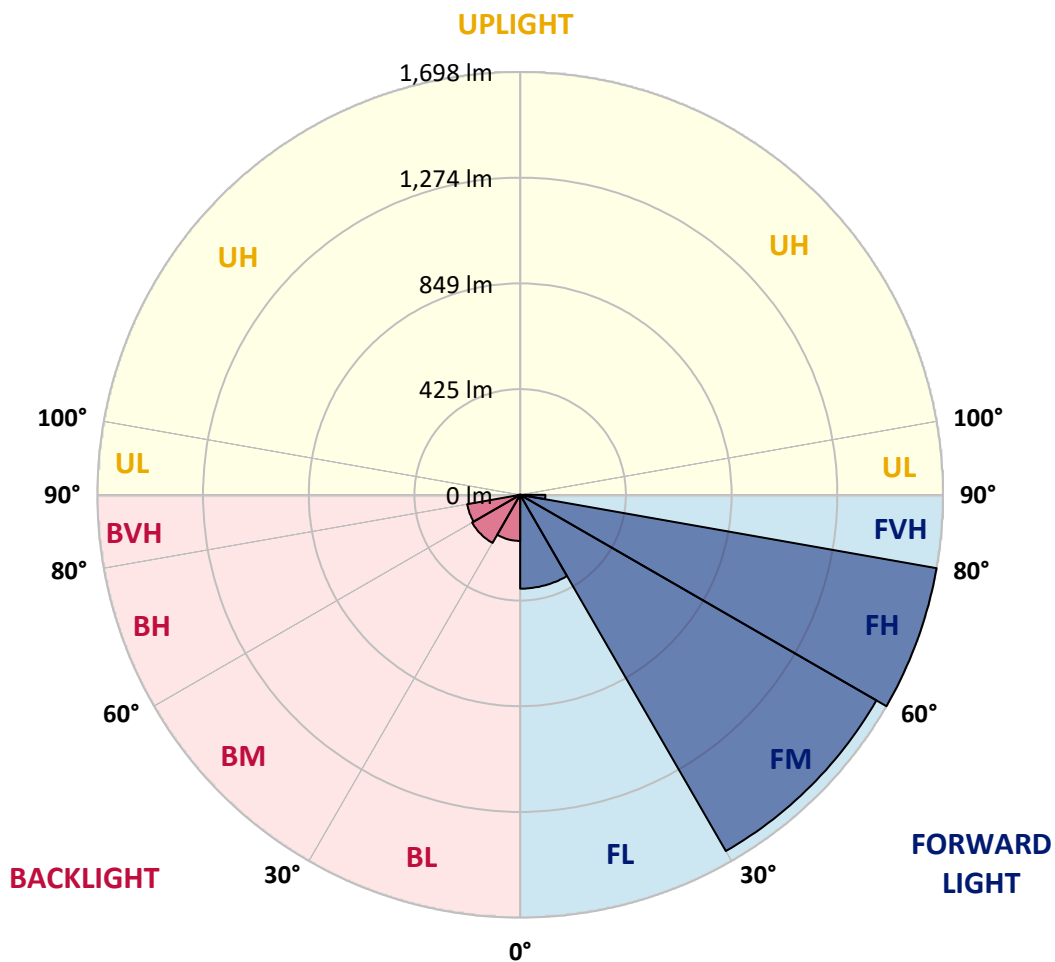
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	376.8	8.4			
FM (30°-60°)	1651.9	37.0			
FH (60°-80°)	1698.0	38.0			G1/1800
FVH (80°-90°)	101.2	2.3			G2/225
BL (0°-30°)	185.2	4.2	B1/500		
BM (30°-60°)	223.1	5.0	B1/1000		
BH (60°-80°)	215.9	4.8	B1/500		G1/500
BVH (80°-90°)	10.8	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°	1137.2	1137.2	1137.2	1137.2	1137.2	1137.2	1137.2	1137.2	1137.2	1137.2	1137.2
2.5°	1160.5	1163.0	1162.0	1161.2	1163.2	1160.3	1154.1	1152.0	1149.0	1141.9	1129.9
5°	1117.0	1124.7	1124.3	1130.1	1139.8	1142.4	1139.6	1139.9	1134.4	1125.5	1105.5
7.5°	1041.7	1044.9	1046.6	1059.5	1077.1	1091.4	1103.4	1107.3	1104.6	1097.1	1071.1
10°	964.2	966.7	970.8	985.6	1008.1	1027.8	1050.5	1063.7	1069.3	1067.9	1039.1
12.5°	897.4	900.0	905.4	922.3	949.0	973.1	1006.3	1022.7	1036.0	1044.1	1013.0
15°	837.8	843.4	848.4	867.9	897.9	929.6	967.0	987.7	1008.4	1026.4	989.9
17.5°	791.1	796.7	799.9	817.5	849.3	888.2	932.3	956.5	982.3	1011.8	967.0
20°	764.3	766.9	765.5	775.4	804.2	845.2	897.4	925.8	957.0	997.9	944.3
22.5°	756.7	756.9	752.2	751.2	769.6	804.3	860.3	894.6	933.0	988.9	924.6
25°	775.0	774.3	761.5	750.9	752.8	773.1	824.6	864.4	912.9	986.9	909.5
27.5°	815.8	817.6	798.6	778.7	759.1	758.3	797.4	839.5	896.6	995.9	903.1
30°	873.0	876.1	855.6	830.5	793.6	763.2	786.8	824.6	886.4	1014.0	902.0
32.5°	935.5	938.9	923.4	896.8	848.4	792.5	794.2	825.9	886.1	1039.8	909.4
35°	1002.0	1005.9	997.9	975.5	921.8	846.7	822.2	846.8	900.0	1079.0	928.9
37.5°	1076.3	1082.5	1084.7	1063.2	1005.9	918.0	868.1	886.4	931.7	1133.5	964.9
40°	1183.5	1192.0	1191.3	1160.7	1102.3	1014.2	939.1	943.8	981.0	1206.5	1022.5
42.5°	1388.8	1390.4	1336.8	1270.3	1208.3	1115.7	1022.7	1018.9	1049.2	1298.7	1107.3
45°	1649.8	1642.7	1523.3	1394.6	1319.2	1232.0	1131.5	1112.6	1135.6	1411.1	1213.3
47.5°	1866.5	1850.1	1699.2	1521.5	1436.4	1358.5	1259.5	1226.2	1238.9	1538.7	1350.4
50°	1941.7	1929.5	1804.4	1627.2	1547.4	1512.9	1416.7	1369.7	1373.2	1691.0	1510.9
52.5°	1925.5	1923.8	1840.4	1696.9	1651.4	1675.1	1639.6	1576.0	1542.5	1860.0	1684.3
55°	1887.3	1891.1	1860.8	1777.8	1770.1	1831.6	1930.9	1883.9	1779.5	2030.6	1863.4
57.5°	1754.7	1764.4	1830.7	1879.9	1961.4	2052.7	2165.5	2152.1	2034.4	2215.0	2076.5
60°	1413.8	1435.9	1613.8	1860.0	2158.2	2444.1	2494.6	2463.4	2297.4	2443.6	2357.8
62.5°	990.7	1013.5	1225.2	1610.4	2125.8	2886.0	3082.7	2948.6	2675.2	2780.6	2722.0
65°	530.3	541.3	703.1	1117.3	1794.8	2977.2	3942.1	3738.3	3273.2	3196.0	3033.4
67.5°	292.6	298.5	360.5	564.1	1149.6	2621.7	4489.6	4643.6	4020.5	3472.6	2976.8
69°	264.6	270.1	310.6	427.2	769.2	2167.7	4436.2	4882.3	4348.2	3445.2	2767.1
70°	258.7	263.8	300.4	393.8	622.5	1786.6	4257.1	4821.3	4426.3	3347.2	2584.3
72.5°	232.8	238.4	273.9	353.8	532.1	890.8	3372.1	4076.4	4018.7	2902.2	1960.3
75°	217.1	222.3	282.2	346.4	509.3	563.7	2223.0	3004.3	2954.0	2030.1	1056.9
77.5°	93.0	92.4	130.9	293.1	517.0	545.8	1194.6	1876.9	1712.3	867.8	303.5
80°	62.2	61.1	62.2	86.2	474.0	548.9	625.8	952.7	719.6	221.3	149.6
82.5°	53.4	52.6	54.5	52.6	166.6	626.5	532.1	506.6	342.2	125.8	74.2
85°	36.0	34.5	47.0	47.3	78.7	556.6	599.3	428.0	276.8	74.6	36.7
87.5°	17.2	16.8	27.4	33.3	46.2	226.2	672.4	438.6	279.2	38.2	17.4
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°	1137.2	1137.2	1137.2	1137.2	1137.2	1137.2	1137.2	1137.2	1137.2	1137.2	1137.2
2.5°	1126.1	1117.3	1108.8	1098.4	1087.6	1075.5	1069.5	1063.5	1061.9	1060.2	1054.3
5°	1095.2	1082.6	1061.1	1037.4	1012.4	988.0	969.5	957.9	949.0	944.5	936.6
7.5°	1055.1	1036.7	999.0	958.0	916.0	877.6	844.4	823.6	803.7	794.5	783.9
10°	1016.9	989.6	930.9	870.5	810.1	752.2	697.7	659.0	624.7	605.5	592.1
12.5°	984.2	946.6	865.3	783.6	700.9	618.4	536.6	472.2	418.7	390.5	376.0
15°	952.3	907.0	803.1	699.3	593.2	480.8	373.3	300.6	256.0	238.4	232.4
17.5°	923.4	865.3	740.6	614.4	481.9	345.9	250.9	210.8	193.9	187.9	186.0
20°	892.0	823.2	675.6	525.6	365.8	241.9	196.0	178.3	171.3	169.7	168.8
22.5°	862.0	782.0	613.5	430.5	262.8	186.7	168.3	161.1	160.0	161.4	161.4
25°	836.2	744.9	546.4	331.1	193.0	157.2	150.6	148.9	153.2	158.7	159.8
27.5°	817.1	714.4	475.2	244.5	153.7	136.7	136.5	139.2	149.4	160.2	162.4
30°	804.0	685.5	398.8	176.3	128.8	120.4	123.7	129.7	144.6	160.0	164.1
32.5°	797.2	664.1	319.3	136.5	110.4	105.6	111.5	118.8	133.5	147.7	153.2
35°	802.4	648.4	244.2	113.8	97.5	93.8	99.8	106.9	115.5	121.6	125.8
37.5°	821.8	642.2	184.3	102.0	88.7	85.2	89.9	94.1	97.5	99.2	101.1
40°	863.6	648.8	147.7	95.8	83.6	79.3	81.2	82.7	84.9	86.6	87.6
42.5°	925.3	669.0	132.4	93.6	81.0	74.7	74.4	75.0	77.9	81.0	81.7
45°	1011.5	704.4	131.3	95.1	79.8	71.1	69.2	70.1	74.4	79.3	80.2
47.5°	1121.7	758.2	140.0	99.6	80.8	69.2	65.9	67.1	72.5	79.1	80.2
50°	1255.1	833.4	154.4	106.3	85.6	69.6	64.9	65.5	71.1	78.5	79.6
52.5°	1412.8	940.2	170.0	112.7	90.5	72.5	65.8	64.3	69.3	75.8	77.2
55°	1587.9	1077.1	186.3	118.5	93.2	75.8	67.5	62.5	66.1	71.5	72.7
57.5°	1803.1	1268.4	214.2	124.1	94.9	78.2	69.2	60.7	62.2	65.9	66.8
60°	2094.4	1539.2	263.7	133.5	98.8	79.1	69.0	59.3	58.0	60.1	60.5
62.5°	2443.4	1833.4	304.9	145.0	105.2	79.8	67.7	58.2	54.5	54.5	54.9
65°	2650.5	1912.0	282.0	154.8	110.6	79.1	66.1	57.1	51.9	49.5	49.8
67.5°	2474.9	1681.5	241.6	156.8	110.4	76.0	63.8	55.2	49.3	45.8	45.5
69°	2254.7	1450.9	223.6	151.5	105.2	72.3	60.7	53.0	47.4	43.6	43.3
70°	2077.3	1310.1	211.7	146.0	99.6	69.3	58.4	51.2	46.0	42.3	41.9
72.5°	1510.4	858.4	180.9	125.5	82.1	58.2	50.5	44.8	41.0	38.7	38.4
75°	754.8	409.4	146.9	101.8	62.9	46.5	41.4	37.5	35.6	35.2	34.9
77.5°	247.9	187.6	105.0	75.8	46.8	36.4	33.3	30.6	30.3	31.5	31.0
80°	136.3	109.1	66.7	50.2	31.9	26.7	26.3	24.9	25.4	27.6	27.2
82.5°	69.3	56.8	41.2	30.3	21.6	19.1	20.9	20.0	20.9	22.8	22.6
85°	34.2	31.0	26.1	18.3	14.3	12.2	14.9	15.5	16.0	17.4	17.4
87.5°	19.9	18.3	13.8	8.7	7.0	6.5	8.7	8.4	9.9	10.8	10.6
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)