

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: P200655

Luminaire Tested: **GAW-AF-01-LED-E1-T2-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200655
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24139)
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-E1-T2-8030
Description: GALLEON WALL LUMINAIRE
(1) 80 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5090 lumens
Efficiency: N/A
Efficacy: 86.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium - Full Cutoff
BUG Rating: B1 - U0 - G1

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



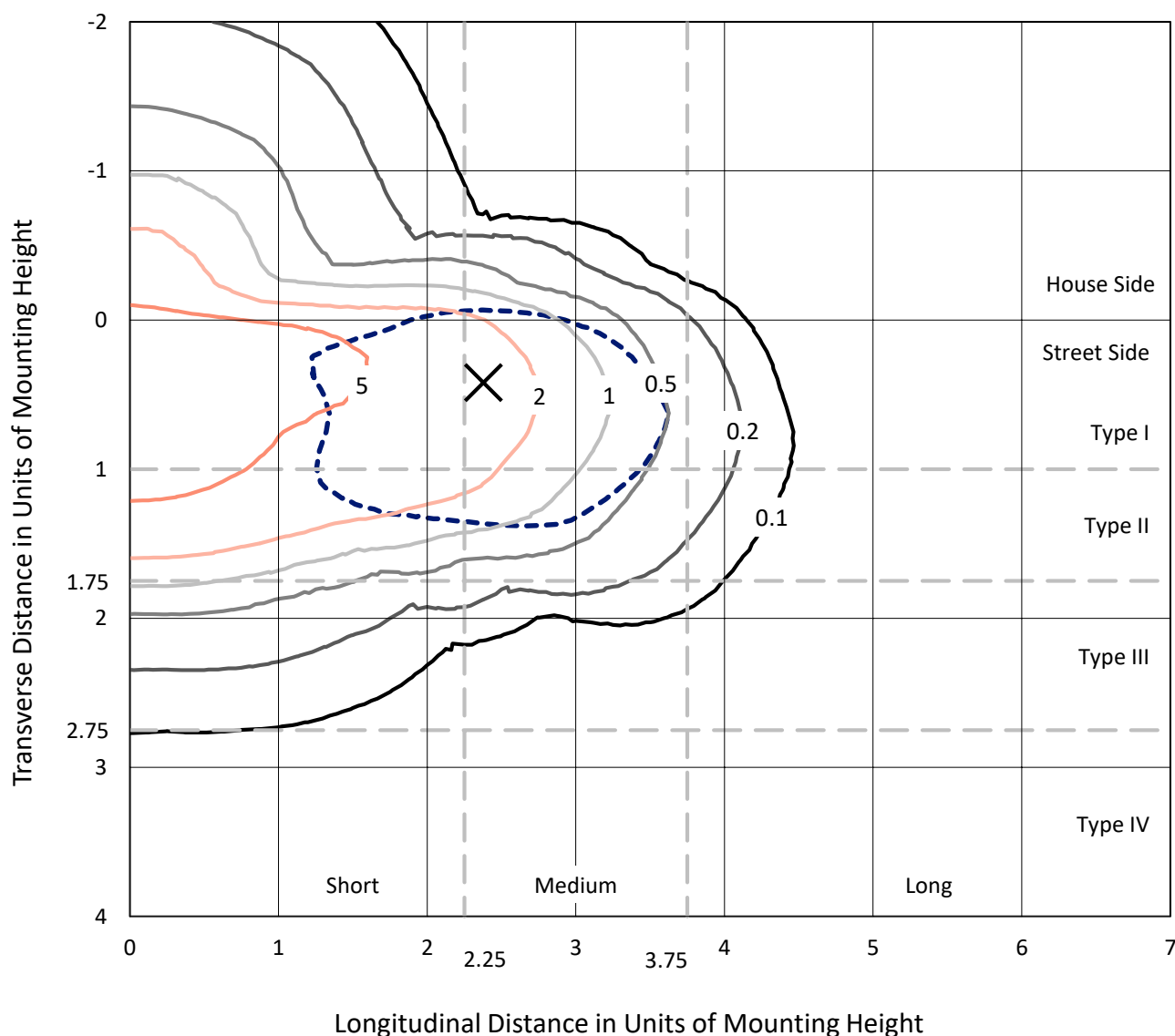
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

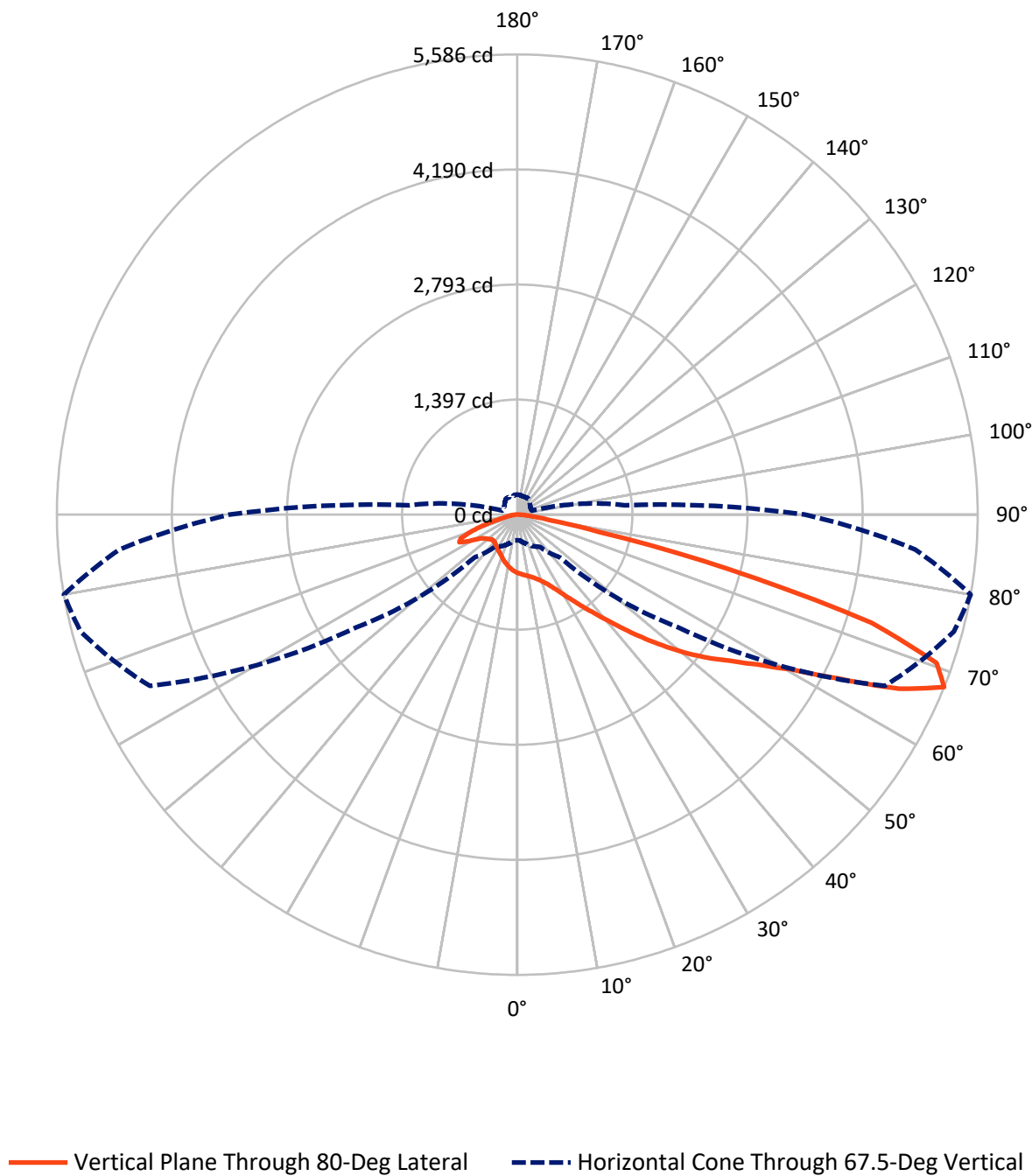


Based on 10 foot mounting height. Maximum calculated value = 8.6 fc
 Type II - Medium - Full Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	937.4	0.0	937.4
	% Fixture	18.4	0.0	18.4
Street Side	Lumens	4152.6	0.0	4152.6
	% Fixture	81.6	0.0	81.6
Total	Lumens	5090.0	0.0	5090.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.2	1.3
10°-20°	187.9	3.7
20°-30°	311.0	6.1
30°-40°	508.8	10.0
40°-50°	821.5	16.1
50°-60°	1186.0	23.3
60°-70°	1308.8	25.7
70°-80°	603.3	11.9
80°-90°	97.6	1.9
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°	5090.0	100.0
0°-180°	5090.0	100.0

Coefficient of Utilization



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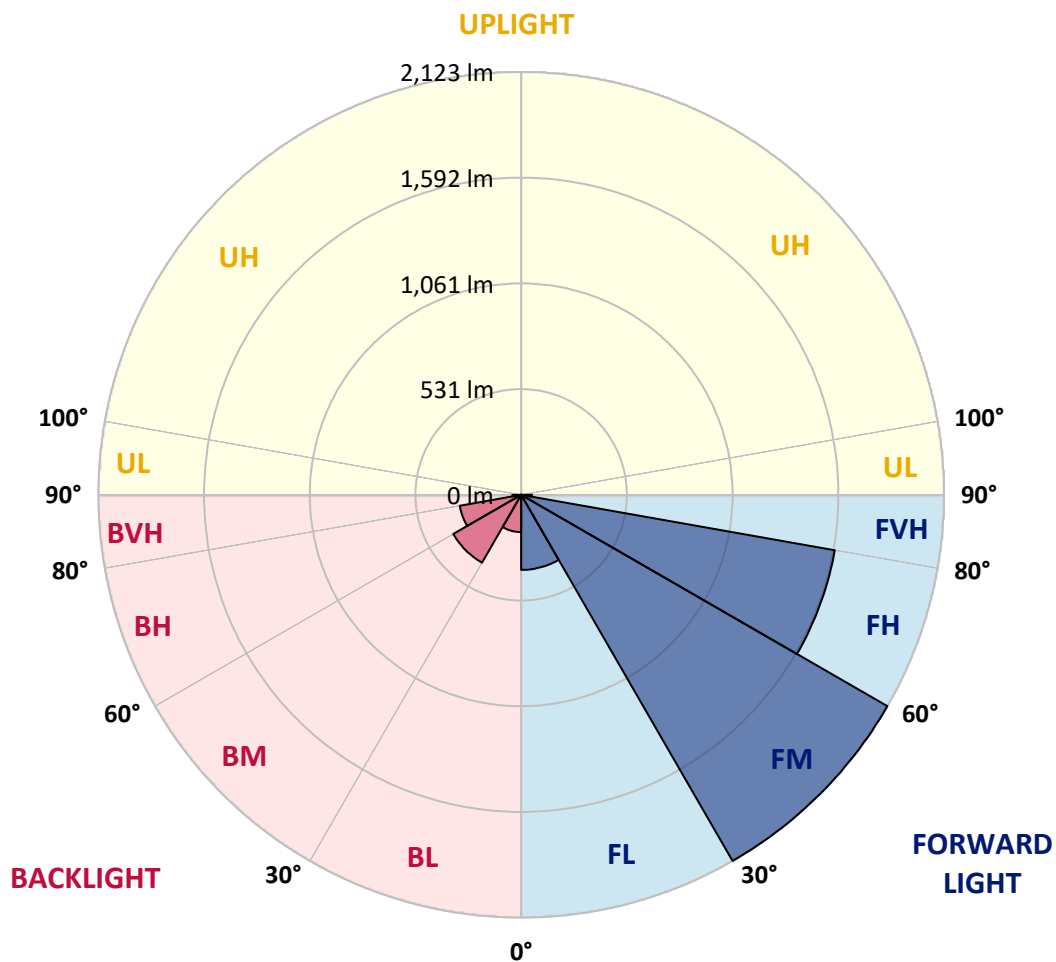
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	377.2	7.4			
FM	(30°-60°)	2122.9	41.7			
FH	(60°-80°)	1598.9	31.4			G1/1800
FVH	(80°-90°)	53.6	1.1			G1/100
BL	(0°-30°)	187.0	3.7	B1/500		
BM	(30°-60°)	393.3	7.7	B1/1000		
BH	(60°-80°)	313.1	6.2	B1/500		G1/500
BVH	(80°-90°)	43.9	0.9			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	80°	85°
0°	707.1	707.1	707.1	707.1	707.1	707.1	707.1	707.1	707.1	707.1	707.1
2.5°	773.6	769.0	769.8	768.5	764.8	758.3	751.3	738.5	725.2	718.2	712.7
5°	838.2	837.0	835.2	831.2	821.7	808.1	791.3	768.8	744.5	731.7	719.4
7.5°	886.6	885.8	883.6	881.1	871.8	855.5	830.2	798.1	762.8	745.2	726.2
10°	890.6	891.8	893.6	900.3	901.6	892.8	867.0	828.2	781.8	759.3	735.0
12.5°	856.5	859.3	866.0	883.3	901.6	912.4	899.1	859.8	804.1	776.8	746.0
15°	811.4	812.9	821.2	845.0	877.8	911.1	923.7	894.6	832.9	799.4	762.5
17.5°	792.1	792.8	798.6	814.4	845.0	892.6	937.4	932.4	868.3	827.4	782.8
20°	782.3	784.1	792.3	807.9	827.2	868.8	939.4	973.3	910.4	862.5	808.4
22.5°	810.1	809.4	812.4	820.2	836.5	861.5	937.9	1015.4	964.0	907.6	841.7
25°	875.0	877.8	872.5	863.8	869.0	886.6	946.0	1061.0	1031.2	965.5	885.3
27.5°	967.5	964.7	957.0	936.4	925.7	933.2	972.5	1110.1	1114.6	1041.7	942.9
30°	1059.7	1057.5	1049.9	1024.9	1002.8	996.6	1024.1	1166.5	1214.1	1133.1	1013.6
32.5°	1155.4	1152.9	1145.9	1120.9	1094.3	1079.8	1097.6	1231.6	1331.4	1242.4	1096.8
35°	1273.5	1268.7	1253.9	1219.1	1193.0	1181.8	1190.0	1313.6	1466.7	1371.7	1197.8
37.5°	1384.5	1391.7	1376.7	1328.6	1294.8	1290.8	1300.0	1413.5	1612.5	1516.3	1313.8
40°	1496.0	1497.2	1483.7	1444.4	1409.5	1403.0	1426.3	1534.8	1784.7	1689.2	1454.9
42.5°	1611.3	1613.8	1591.0	1554.6	1529.1	1530.3	1556.9	1676.9	1982.1	1892.9	1617.3
45°	1747.8	1751.6	1726.5	1678.9	1655.6	1702.5	1691.4	1836.3	2198.6	2124.5	1803.7
47.5°	1890.7	1896.4	1877.4	1832.8	1803.7	1868.1	1826.0	2012.9	2431.7	2372.8	2008.4
50°	1968.6	1976.9	1995.4	1992.1	1985.9	1975.1	1976.1	2202.4	2672.0	2631.4	2218.9
52.5°	1926.7	1926.5	1994.2	2076.3	2164.0	2170.6	2159.0	2402.1	2896.5	2884.2	2417.1
55°	1735.3	1748.3	1850.8	2009.9	2249.5	2399.1	2433.2	2630.9	3117.0	3131.3	2618.4
57.5°	1416.6	1427.3	1565.7	1787.4	2134.2	2534.9	2823.1	2963.4	3363.6	3430.2	2886.2
60°	960.7	973.8	1120.4	1386.7	1824.0	2459.2	3194.2	3556.8	3658.8	3810.4	3262.1
62.5°	564.6	576.3	695.9	874.8	1284.2	2107.7	3357.1	4401.0	4127.6	4384.0	3835.4
65°	388.7	396.7	454.8	544.5	738.0	1419.6	3155.1	4983.9	4849.1	5094.6	4500.2
67.5°	312.7	311.7	357.8	419.0	475.1	732.0	2385.8	4918.0	5483.5	5586.0	4845.3
70°	257.6	256.6	287.9	338.5	379.6	412.2	1299.5	4150.2	5354.2	5395.8	4527.6
72.5°	215.5	216.5	236.6	274.1	311.5	310.5	571.1	2919.6	4212.1	4499.7	3609.2
75°	181.9	182.4	195.7	222.3	252.8	250.1	309.7	1581.7	2448.5	2648.7	2000.7
77.5°	154.9	155.4	163.9	178.7	200.5	199.5	226.0	683.3	1021.4	1008.9	684.3
80°	138.1	138.1	142.1	144.8	156.9	152.4	167.6	328.3	431.8	398.7	273.1
82.5°	108.3	108.8	133.3	132.3	123.5	117.8	117.8	193.5	228.8	211.5	159.9
85°	60.9	60.6	86.0	103.7	108.8	82.9	82.2	108.3	124.5	109.8	77.4
87.5°	26.1	26.6	39.8	46.1	61.6	51.6	50.9	55.9	63.4	54.9	35.8
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°	707.1	707.1	707.1	707.1	707.1	707.1	707.1	707.1	707.1	707.1	707.1
2.5°	707.4	700.9	686.6	668.8	652.8	642.2	632.7	618.9	619.7	610.2	603.2
5°	706.9	693.4	660.3	620.9	583.1	555.8	535.2	516.7	512.2	503.4	498.2
7.5°	707.4	685.3	629.7	566.8	520.0	485.4	467.8	458.1	455.8	452.8	453.1
10°	709.2	678.1	596.1	516.2	467.1	444.3	440.0	443.0	446.5	447.5	447.8
12.5°	713.2	671.6	559.3	471.1	434.0	427.0	434.3	444.5	451.3	454.6	454.3
15°	722.2	666.6	524.0	435.8	415.7	419.5	433.0	447.5	457.3	461.8	462.1
17.5°	732.0	659.3	487.6	408.7	402.2	411.7	428.5	445.5	457.6	462.6	463.6
20°	744.7	650.3	449.5	388.4	389.4	400.2	416.0	433.0	446.3	450.6	452.6
22.5°	761.5	640.5	416.2	371.9	374.9	383.1	395.4	410.2	421.7	423.7	425.5
25°	784.1	630.0	389.7	356.8	358.1	362.8	371.1	379.9	387.9	385.6	387.4
27.5°	814.4	620.9	369.9	343.0	340.8	341.8	346.1	348.8	353.1	346.8	347.6
30°	850.0	611.2	354.6	331.0	324.8	323.0	324.0	325.5	328.8	320.2	319.0
32.5°	891.3	599.4	340.3	320.5	311.7	308.2	308.7	312.7	325.3	320.0	317.2
35°	939.4	586.1	325.3	309.0	303.0	297.9	297.4	310.0	347.3	344.1	341.5
37.5°	995.8	572.8	310.2	295.9	296.4	290.9	289.2	303.5	351.6	338.8	337.0
40°	1067.5	565.8	297.4	282.2	288.4	287.7	284.2	291.4	323.5	300.2	297.2
42.5°	1156.2	566.8	287.9	267.4	278.9	286.9	281.4	281.7	293.2	275.6	272.9
45°	1265.7	578.6	281.2	255.6	268.1	286.2	280.4	276.4	277.4	268.1	266.6
47.5°	1393.5	602.9	276.4	245.8	257.9	283.4	280.2	274.9	272.6	267.6	266.4
50°	1535.6	638.2	272.9	236.6	248.6	278.9	280.4	273.4	270.9	268.9	268.1
52.5°	1675.2	678.6	267.6	228.5	241.3	273.4	281.2	271.9	269.1	267.6	266.9
55°	1830.8	728.9	259.6	221.8	235.3	266.4	281.2	269.6	266.6	266.9	266.6
57.5°	2041.0	810.4	250.1	216.0	228.0	257.9	276.4	267.1	263.4	263.6	263.9
60°	2369.5	954.0	238.6	210.2	219.0	247.8	269.9	261.6	257.9	258.9	259.1
62.5°	2852.7	1164.7	223.5	201.7	209.5	237.1	260.9	254.6	250.8	253.3	253.3
65°	3354.8	1350.6	205.0	190.9	199.5	225.3	249.6	245.8	242.1	247.8	247.6
67.5°	3489.9	1309.1	186.4	179.2	189.4	212.2	236.1	234.0	232.0	242.1	241.6
70°	3100.2	1051.0	169.4	167.1	178.4	198.2	221.5	221.5	220.3	227.8	226.0
72.5°	2362.0	745.2	153.1	154.4	165.9	182.9	205.7	207.5	205.5	209.2	207.7
75°	1264.4	426.5	136.8	140.3	150.4	167.4	188.2	189.9	188.7	188.4	189.2
77.5°	420.2	208.5	119.8	125.3	134.1	151.4	169.9	172.7	169.6	169.1	168.9
80°	187.2	131.1	101.0	108.3	116.0	133.1	150.6	152.9	149.6	154.1	148.3
82.5°	120.3	86.2	80.9	89.0	96.5	114.8	131.3	131.8	128.8	149.6	127.5
85°	58.4	53.4	60.9	68.2	74.7	90.2	108.8	109.0	101.5	92.5	89.2
87.5°	29.1	31.1	40.6	47.1	50.4	61.9	79.2	77.7	74.4	67.7	62.4
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)