

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P630469

Luminaire Tested: GWS-SA1D-760-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630469
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-760-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6121.9 lumens
Efficiency: N/A
Efficacy: 138.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

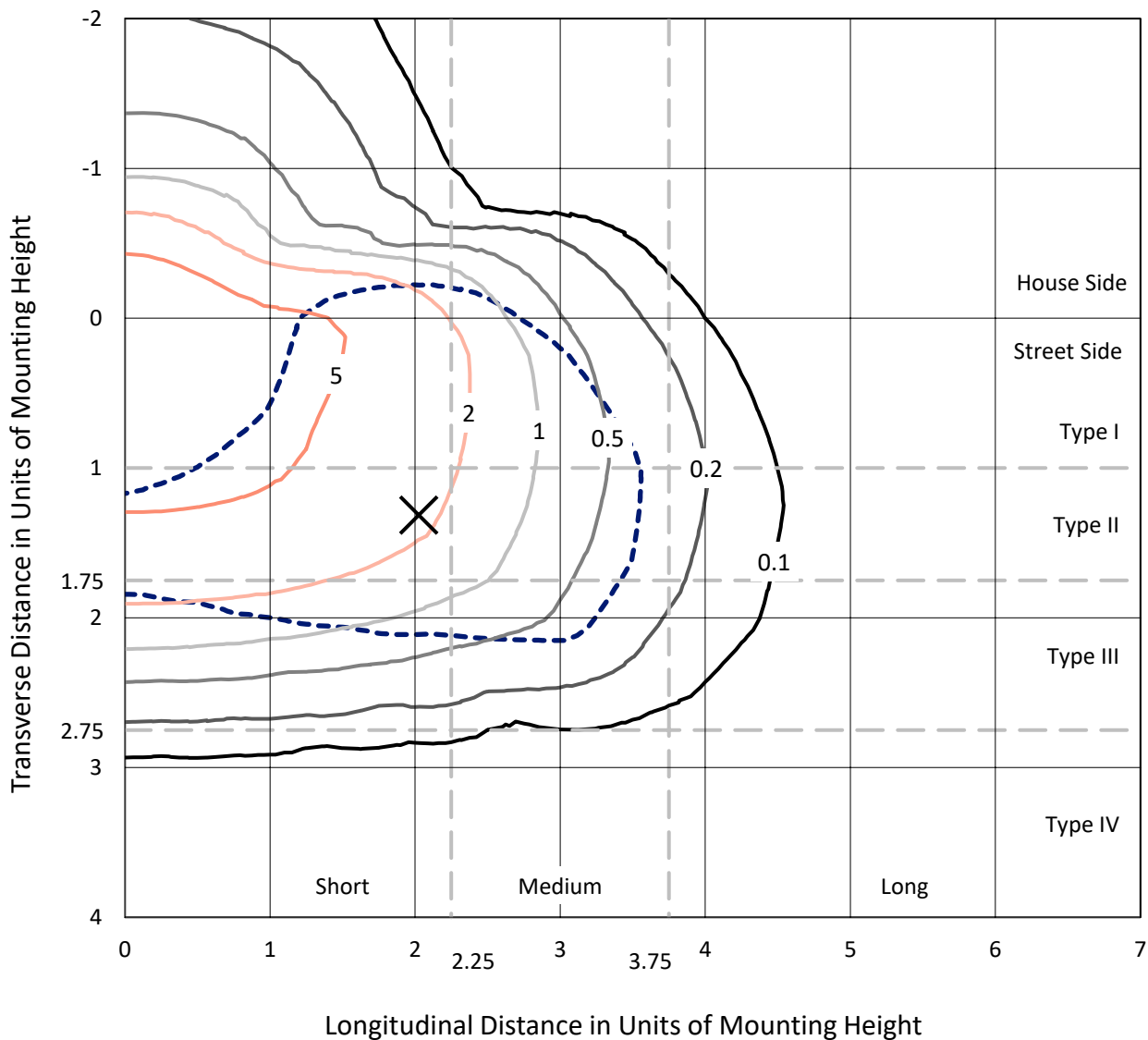
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

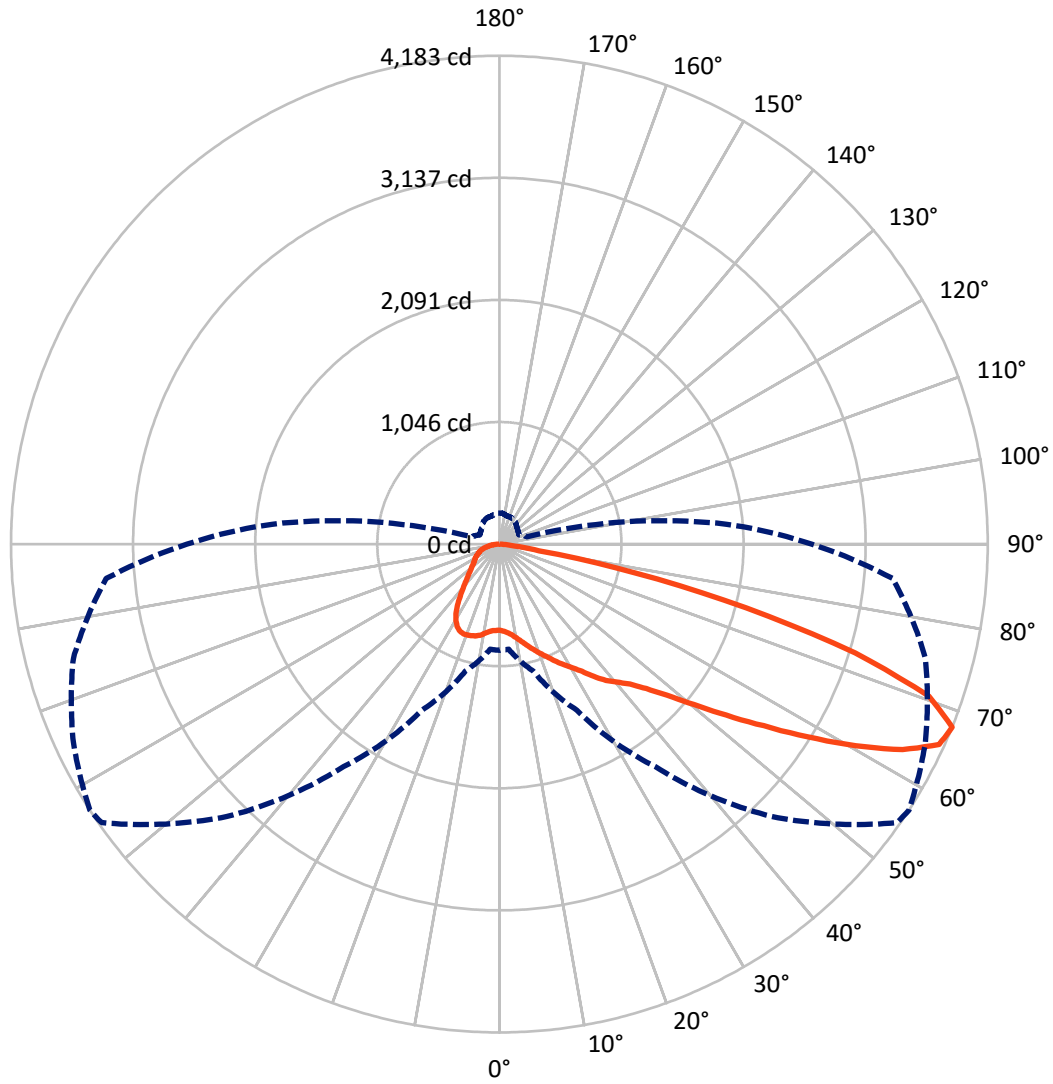
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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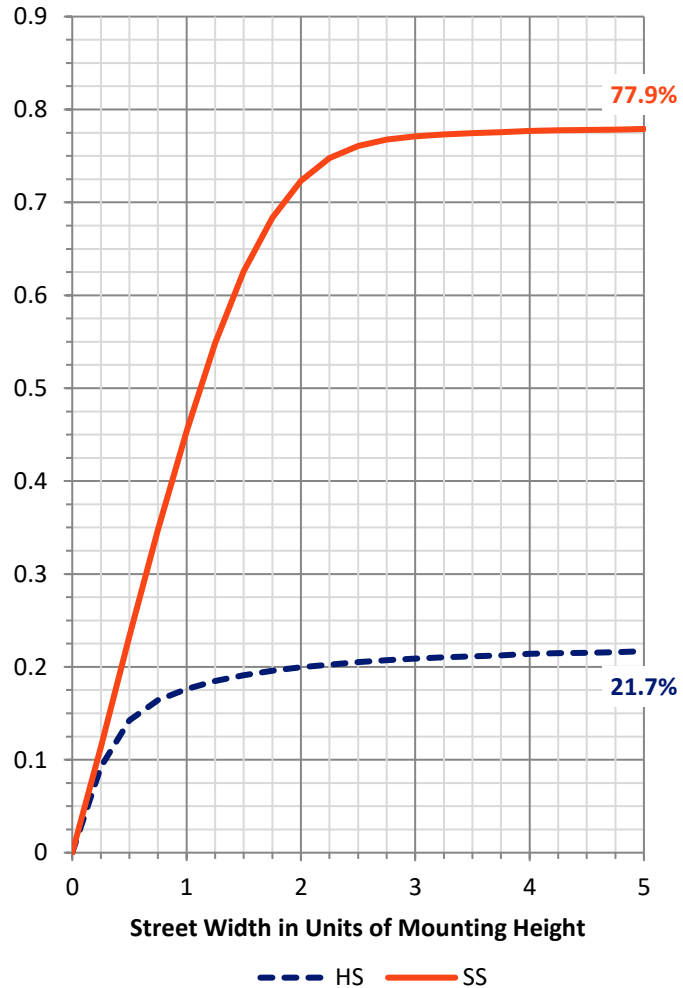
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1346.0	0.0	1346.0
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	4775.9	0.0	4775.9
	% Fixture	78.0	0.0	78.0
Total	Lumens	6121.9	0.0	6121.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.2	1.2
10°-20°	242.2	4.0
20°-30°	431.8	7.1
30°-40°	627.8	10.3
40°-50°	908.6	14.8
50°-60°	1421.9	23.2
60°-70°	1658.7	27.1
70°-80°	692.4	11.3
80°-90°	65.3	1.1
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°	6121.9	100.0
0°-180°	6121.9	100.0

Coefficient of Utilization



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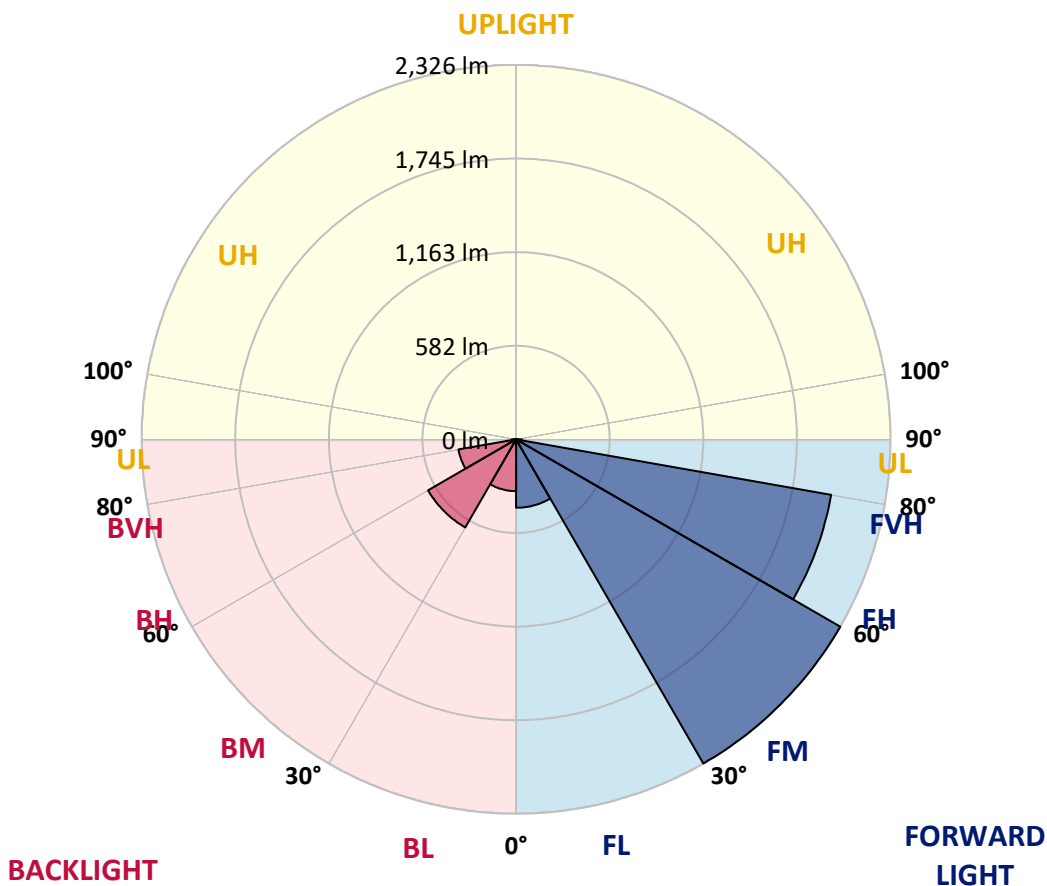
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	425.2	6.9			
FM (30°-60°)	2326.4	38.0			
FH (60°-80°)	1987.9	32.5			G2/5000
FVH (80°-90°)	36.4	0.6			G1/100
BL (0°-30°)	321.9	5.3	B1/500		
BM (30°-60°)	631.8	10.3	B1/1000		
BH (60°-80°)	363.3	5.9	B1/500		G1/500
BVH (80°-90°)	28.9	0.5			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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	737.6	737.6	737.6	737.6	737.6	737.6	737.6	737.6	737.6	737.6	737.6
2.5°	748.2	747.3	746.9	749.5	748.6	748.2	748.2	747.7	746.9	743.3	738.5
5°	768.8	767.0	765.3	767.5	765.7	764.0	763.5	762.6	759.6	754.3	746.9
7.5°	790.3	788.5	789.0	790.3	789.0	788.1	786.8	785.9	781.1	772.7	762.6
10°	820.5	820.5	821.4	822.7	823.2	821.8	819.2	817.9	812.2	801.7	787.6
12.5°	864.4	863.5	863.5	862.6	864.0	862.6	860.0	857.8	850.8	837.2	817.0
15°	922.3	918.8	915.7	910.0	908.2	903.4	904.3	903.0	896.4	878.0	852.5
17.5°	984.1	983.7	978.9	967.4	956.0	948.2	949.9	949.5	946.0	921.0	888.5
20°	1038.5	1040.7	1036.3	1027.5	1012.2	997.3	996.4	998.6	994.2	969.2	924.0
22.5°	1099.5	1097.7	1093.3	1081.9	1070.5	1054.7	1049.5	1047.7	1046.0	1017.4	960.4
25°	1157.3	1162.6	1156.9	1146.4	1128.8	1111.7	1107.3	1109.1	1104.3	1066.6	999.5
27.5°	1230.6	1232.8	1229.3	1214.8	1199.9	1175.8	1167.4	1167.4	1165.7	1112.6	1030.2
30°	1308.6	1314.8	1308.6	1296.8	1281.5	1246.8	1228.8	1227.1	1221.8	1160.0	1066.1
32.5°	1387.1	1391.5	1387.1	1375.7	1358.2	1327.9	1302.1	1298.1	1291.1	1211.7	1103.0
35°	1456.9	1460.8	1459.9	1462.6	1448.1	1410.0	1394.2	1392.4	1374.0	1279.3	1153.0
37.5°	1533.2	1538.0	1531.4	1536.7	1531.0	1495.0	1490.2	1481.4	1455.1	1342.9	1205.6
40°	1620.0	1624.4	1613.9	1616.1	1609.5	1589.3	1564.8	1552.9	1513.9	1411.7	1288.5
42.5°	1713.0	1723.1	1727.9	1724.0	1708.6	1697.2	1654.2	1639.3	1606.9	1535.8	1424.9
45°	1847.6	1862.5	1869.6	1859.5	1852.9	1836.7	1784.0	1766.1	1749.0	1710.8	1615.2
47.5°	1992.8	2006.4	2028.7	2033.1	2038.4	2026.1	1952.0	1934.5	1937.5	1933.1	1849.4
50°	2108.6	2120.0	2170.4	2224.3	2269.1	2272.6	2177.9	2159.0	2175.7	2189.7	2131.4
52.5°	2192.8	2202.9	2269.5	2380.9	2482.2	2557.2	2455.0	2433.5	2447.1	2478.7	2452.0
55°	2261.2	2275.2	2344.9	2516.0	2720.8	2839.2	2773.9	2746.7	2741.0	2780.0	2795.3
57.5°	2297.1	2301.5	2399.3	2621.7	2895.8	3115.9	3144.4	3113.7	3059.4	3080.8	3160.7
60°	2215.1	2222.6	2356.3	2648.9	3033.9	3390.5	3533.4	3508.0	3392.2	3404.1	3492.2
62.5°	1988.4	1998.9	2159.9	2519.5	3045.3	3573.8	3892.6	3876.4	3721.1	3657.1	3683.4
65°	1595.0	1598.5	1765.2	2199.3	2818.6	3596.6	4143.0	4139.1	3950.9	3800.9	3688.2
67.5°	909.6	903.4	1126.2	1568.7	2326.1	3300.1	4159.2	4182.5	4025.5	3777.3	3381.2
70°	394.3	395.1	497.8	774.0	1505.6	2667.3	3863.2	3903.1	3809.7	3383.0	2690.1
72.5°	182.4	185.1	229.4	335.1	642.9	1654.7	3150.1	3186.1	3105.8	2707.6	1957.3
75°	128.9	131.1	153.1	192.1	295.6	644.7	2107.3	2182.7	2221.7	2025.2	1289.8
77.5°	97.8	100.9	111.8	133.3	182.4	228.5	1008.2	1188.0	1415.2	1260.0	664.4
80°	62.3	62.3	74.1	89.0	111.4	118.8	291.2	345.1	692.5	519.2	260.9
82.5°	42.1	43.4	50.4	56.6	64.0	67.5	125.0	133.3	200.0	176.7	107.4
85°	22.4	23.2	26.3	25.9	30.7	26.8	52.6	52.2	73.2	80.3	40.8
87.5°	0.0	0.0	0.4	0.4	0.9	1.3	5.7	6.1	15.3	24.6	13.6
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°	737.6	737.6	737.6	737.6	737.6	737.6	737.6	737.6	737.6	737.6	737.6
2.5°	741.2	735.9	738.5	737.6	740.3	740.3	735.5	734.1	734.6	729.3	727.6
5°	747.7	741.6	742.9	741.2	743.8	746.0	743.8	743.8	746.4	742.5	740.3
7.5°	762.6	755.6	755.6	753.4	756.5	758.3	756.5	759.1	764.0	760.0	757.8
10°	786.3	778.0	778.4	775.8	777.1	776.2	769.2	767.0	768.3	764.8	763.1
12.5°	817.0	805.6	805.6	800.4	797.3	788.1	773.6	768.3	769.2	766.2	764.8
15°	846.4	835.9	833.7	823.2	809.1	792.0	778.9	775.4	776.2	773.2	771.0
17.5°	881.1	867.5	859.6	840.3	814.4	796.9	783.7	775.4	768.3	761.3	759.6
20°	913.1	896.0	881.5	851.7	820.1	796.0	771.4	750.8	733.7	724.5	722.3
22.5°	946.0	924.0	898.6	859.6	819.7	780.2	735.0	703.9	678.4	664.8	667.5
25°	977.1	949.5	914.8	867.0	805.6	745.1	683.7	637.2	608.3	597.7	594.7
27.5°	1003.0	968.8	929.7	863.5	776.7	694.7	613.5	561.8	533.7	521.9	518.8
30°	1031.9	993.3	951.2	847.3	731.1	624.1	534.2	492.1	471.9	460.5	460.9
32.5°	1065.2	1024.9	981.5	816.1	672.7	547.8	468.8	439.9	423.6	412.2	410.5
35°	1110.0	1070.1	1001.7	769.2	598.6	477.6	424.1	400.4	380.2	365.3	362.2
37.5°	1165.2	1138.0	1003.8	706.5	519.2	429.3	392.1	366.6	342.1	322.3	320.1
40°	1260.0	1228.8	985.9	628.0	451.7	398.2	365.3	335.9	307.4	285.5	282.4
42.5°	1395.0	1331.0	947.3	539.4	400.8	373.6	339.9	302.6	273.7	258.3	256.1
45°	1567.0	1445.0	889.4	456.1	363.1	349.5	313.1	274.1	258.7	247.8	245.6
47.5°	1777.5	1577.9	822.7	391.2	333.7	327.6	285.9	264.4	250.9	241.6	239.5
50°	2029.2	1747.2	767.9	340.3	307.4	302.2	277.2	258.7	247.8	240.3	238.6
52.5°	2316.4	1935.3	741.2	303.9	284.6	279.4	274.1	257.4	248.2	242.5	240.3
55°	2614.7	2133.6	716.2	275.9	265.3	268.4	274.5	261.8	254.8	247.3	245.2
57.5°	2902.8	2319.5	654.8	253.9	251.3	263.1	276.7	266.2	257.9	250.4	247.8
60°	3101.5	2421.3	550.8	236.4	240.8	256.6	271.0	259.6	249.1	246.0	244.7
62.5°	3155.0	2409.0	427.6	218.4	228.0	242.1	256.1	248.7	237.7	242.5	243.0
65°	3030.0	2277.4	321.0	200.9	211.4	223.2	240.8	237.7	233.7	246.9	247.3
67.5°	2676.1	1954.2	244.7	185.5	194.3	208.8	235.9	248.7	249.5	266.2	264.4
70°	2024.8	1459.9	191.6	171.0	181.1	208.8	251.3	257.0	246.5	261.8	258.3
72.5°	1399.9	963.5	163.1	158.3	164.9	199.1	250.9	250.9	239.5	239.5	232.9
75°	869.7	566.6	142.1	142.1	142.1	174.1	243.8	231.1	210.9	201.7	196.5
77.5°	429.3	275.4	119.3	123.7	118.8	145.6	199.1	189.0	176.7	167.1	163.6
80°	183.3	137.7	96.5	101.3	95.6	109.6	157.9	155.7	143.8	131.1	127.2
82.5°	84.2	71.0	77.2	79.4	69.7	82.4	115.3	115.3	108.8	91.2	84.6
85°	36.0	37.7	53.5	53.5	43.9	46.5	61.8	58.8	52.6	43.0	39.5
87.5°	12.3	18.4	27.2	23.7	9.2	3.9	2.2	0.9	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)