

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: P630253

Luminaire Tested: GWS-SA1D-730-U-T3R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630253
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-730-U-T3R-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS
Light Source: (16) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5613.4 lumens
Efficiency: N/A
Efficacy: 126.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

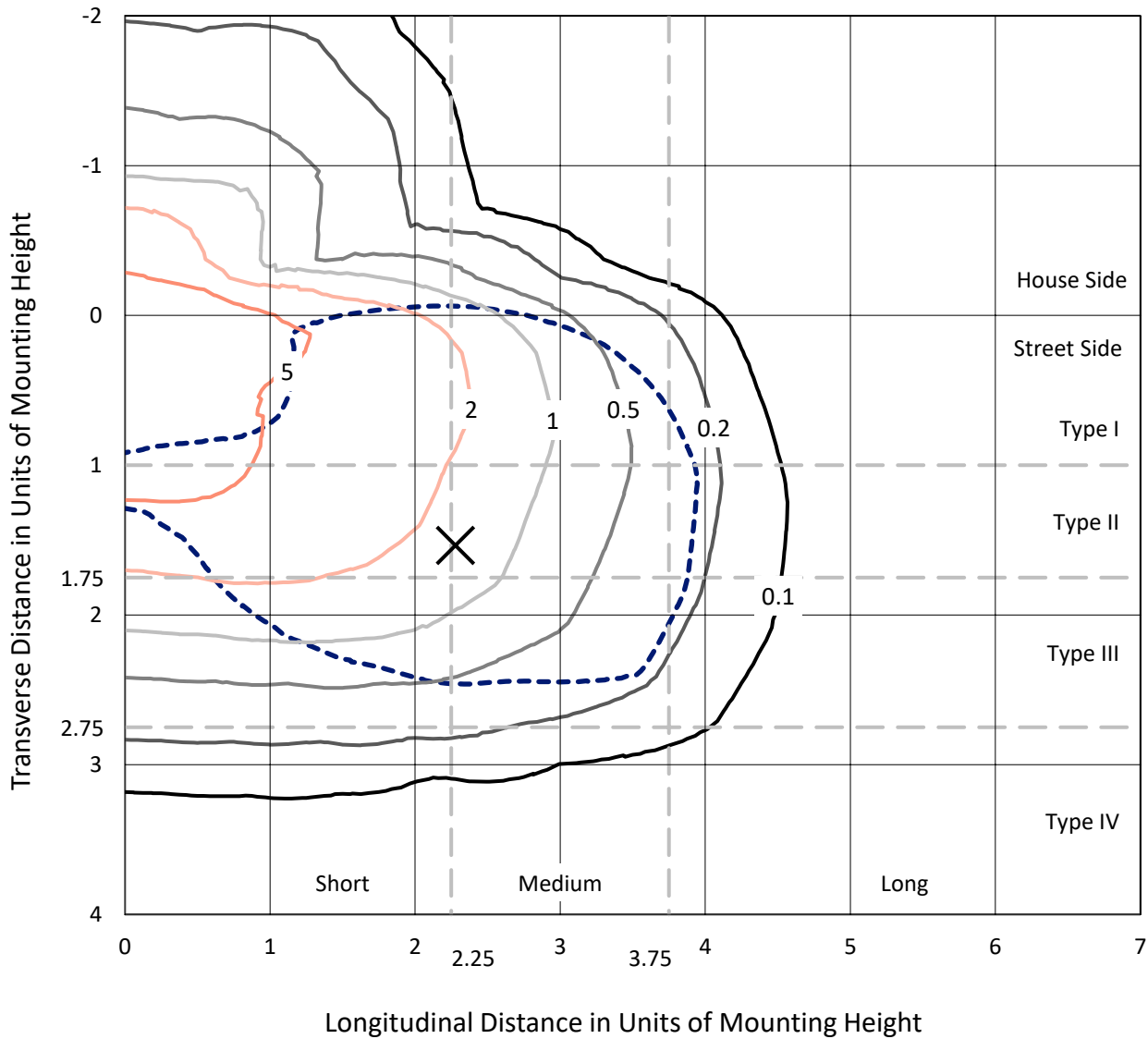
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

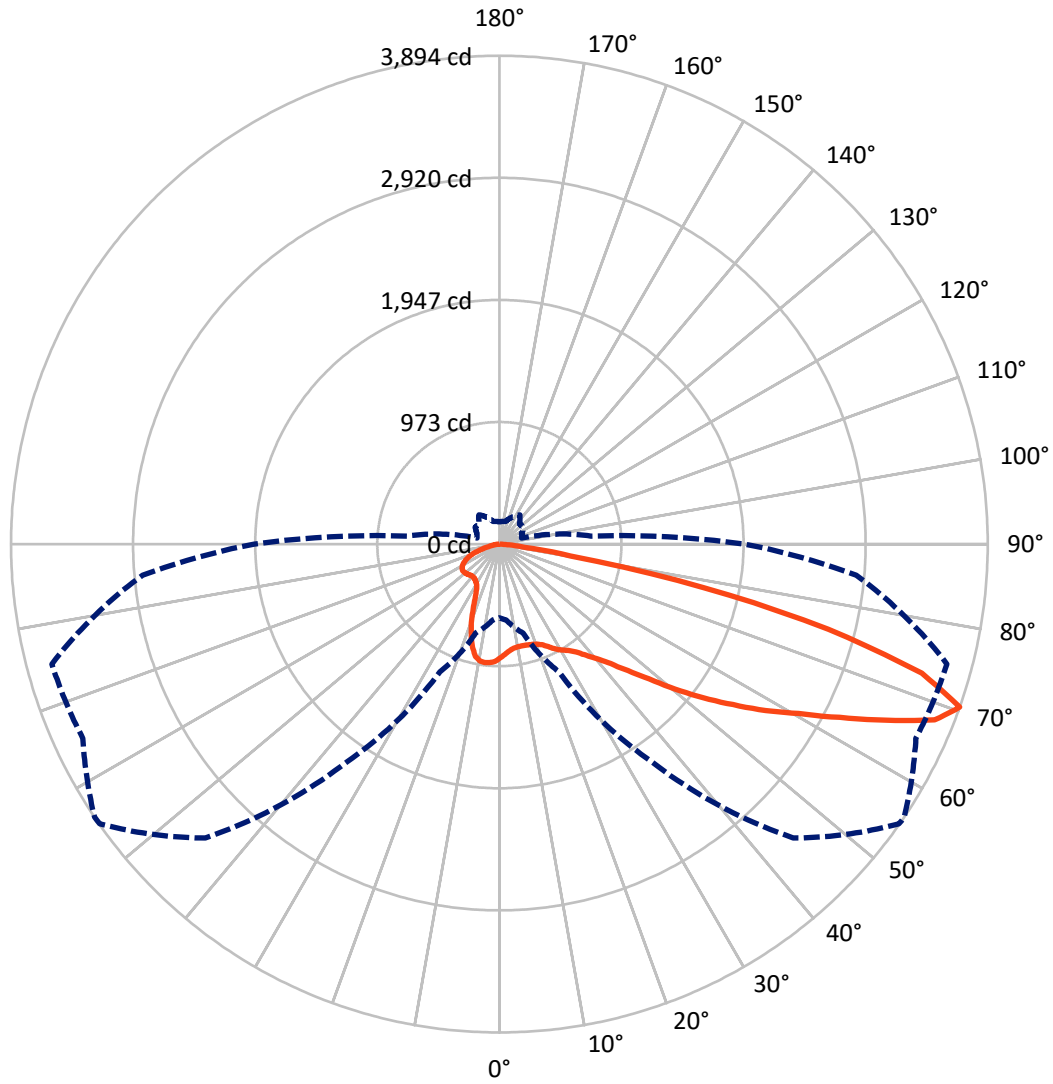
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.4 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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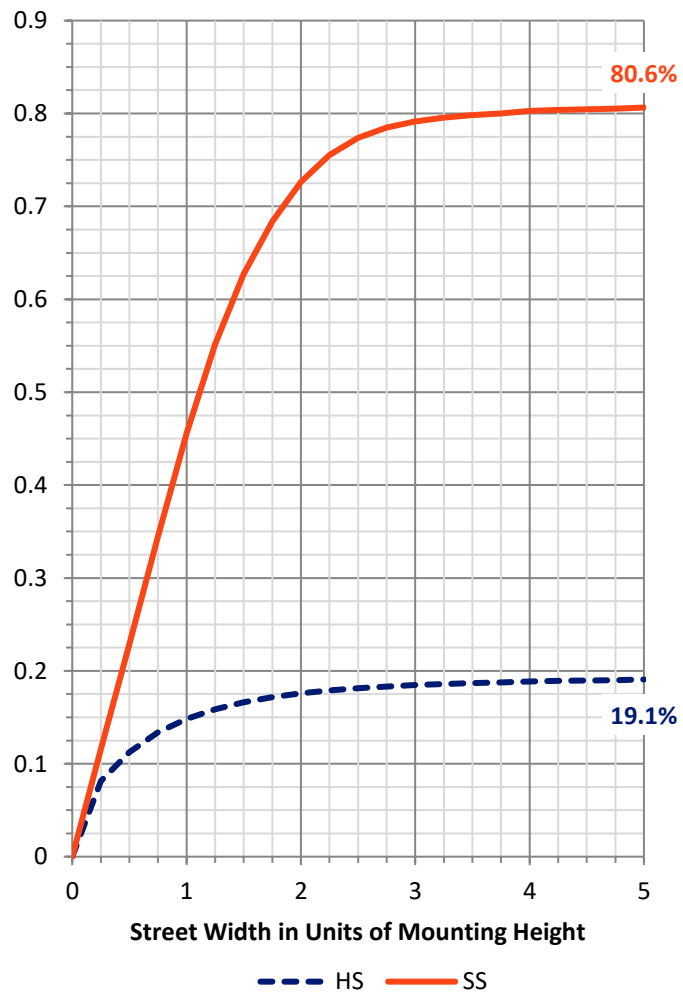
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1079.2	0.0	1079.2
	% Fixture	19.2	0.0	19.2
Street Side	Lumens	4534.2	0.0	4534.2
	% Fixture	80.8	0.0	80.8
Total	Lumens	5613.4	0.0	5613.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.8	1.5
10°-20°	227.2	4.0
20°-30°	375.6	6.7
30°-40°	561.6	10.0
40°-50°	835.7	14.9
50°-60°	1188.1	21.2
60°-70°	1471.5	26.2
70°-80°	812.5	14.5
80°-90°	57.2	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°	5613.4	100.0
0°-180°	5613.4	100.0

Coefficient of Utilization



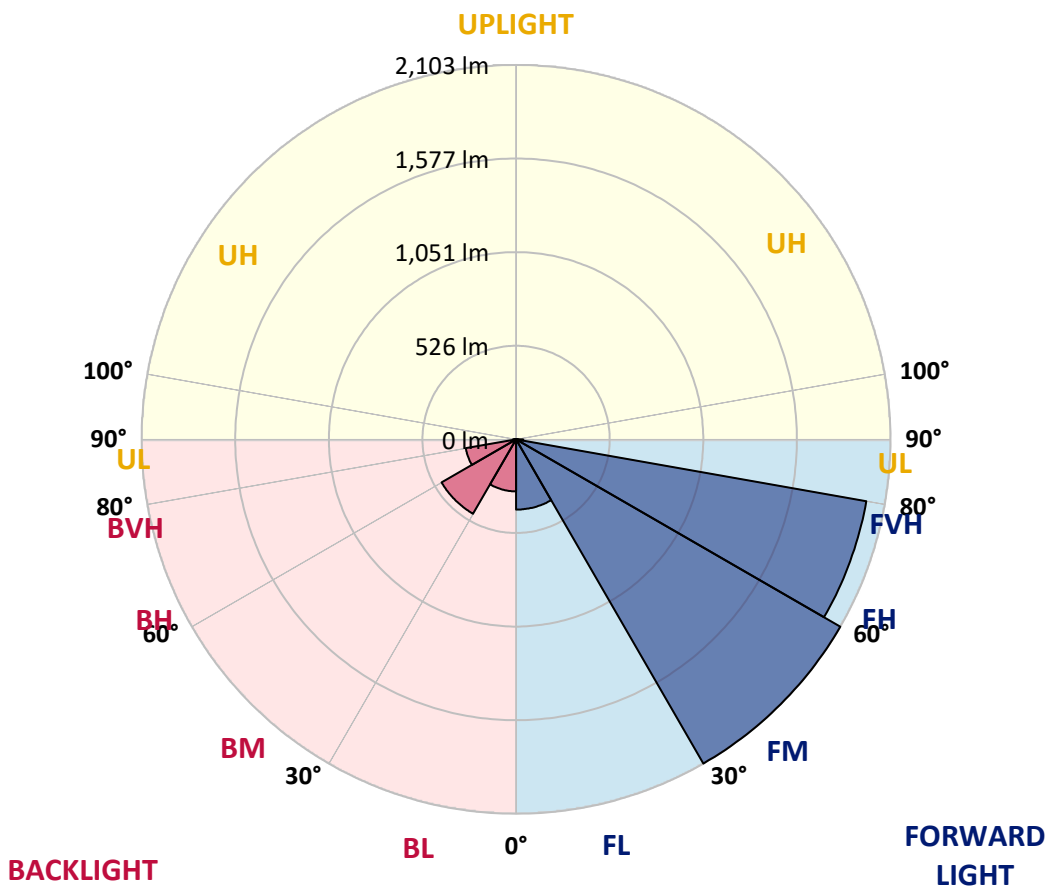
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	394.5	7.0			
FM (30°-60°)	2102.7	37.5			
FH (60°-80°)	1997.3	35.6			G2/5000
FVH (80°-90°)	39.8	0.7			G1/100
BL (0°-30°)	292.1	5.2	B1/500		
BM (30°-60°)	482.7	8.6	B1/1000		
BH (60°-80°)	286.8	5.1	B1/500		G1/500
BVH (80°-90°)	17.5	0.3			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°	56°	65°	75°	85°
0°	906.1	906.1	906.1	906.1	906.1	906.1	906.1	906.1	906.1	906.1	906.1
2.5°	847.9	843.1	848.7	851.5	858.6	868.9	878.0	878.4	883.1	894.6	905.7
5°	809.5	807.1	808.7	817.0	824.5	837.6	851.5	852.7	866.1	888.7	910.8
7.5°	779.8	776.6	782.6	793.3	802.8	817.4	835.6	837.2	856.2	890.3	924.3
10°	737.1	734.7	745.8	760.0	780.6	804.8	828.9	830.9	855.8	900.5	948.0
12.5°	718.5	718.5	723.2	736.7	759.2	791.3	827.7	830.9	862.2	916.4	978.5
15°	747.4	749.3	745.4	744.6	753.7	784.2	829.3	834.0	874.0	932.6	1008.6
17.5°	805.5	807.5	797.2	781.0	771.9	790.9	835.2	840.4	886.7	950.4	1041.1
20°	887.1	889.5	866.9	842.0	810.7	810.3	846.7	851.5	902.9	969.8	1075.5
22.5°	982.5	984.1	955.6	916.0	868.1	846.3	866.5	871.3	923.9	996.7	1112.7
25°	1092.9	1097.7	1063.2	1005.8	940.9	895.8	899.4	904.9	961.5	1032.8	1156.7
27.5°	1210.9	1216.8	1177.2	1113.9	1024.4	950.4	941.7	946.5	1001.5	1054.9	1180.0
30°	1331.6	1336.0	1296.4	1224.0	1114.3	1012.2	977.3	980.1	1018.9	1065.6	1203.8
32.5°	1465.8	1462.3	1424.3	1340.7	1218.0	1086.2	1010.6	1009.8	1038.3	1087.0	1237.8
35°	1591.7	1596.8	1556.5	1464.2	1332.0	1177.6	1060.5	1057.3	1079.5	1121.8	1285.7
37.5°	1744.1	1742.5	1694.2	1594.5	1446.4	1265.1	1130.5	1125.0	1132.9	1176.1	1352.6
40°	1853.0	1864.0	1832.8	1739.7	1580.2	1372.8	1212.5	1200.2	1202.2	1243.0	1442.1
42.5°	1942.0	1952.3	1955.5	1896.1	1733.4	1505.8	1314.6	1302.3	1303.5	1361.3	1552.1
45°	2010.5	2024.4	2069.1	2051.7	1906.0	1659.4	1452.8	1440.1	1440.9	1505.0	1685.1
47.5°	2038.6	2053.6	2144.3	2185.9	2089.3	1843.1	1624.5	1605.9	1608.7	1679.6	1837.1
50°	2029.5	2049.7	2172.4	2289.2	2242.9	2029.9	1830.0	1816.9	1806.2	1909.2	2002.2
52.5°	1951.1	1973.3	2169.6	2354.9	2368.3	2206.4	2042.2	2034.6	2032.3	2153.0	2186.6
55°	1720.3	1757.6	2074.2	2372.3	2466.5	2372.7	2272.2	2259.5	2271.8	2414.3	2373.1
57.5°	1592.5	1620.2	1887.4	2352.9	2546.9	2531.0	2501.7	2502.9	2516.8	2698.1	2599.1
60°	1519.6	1552.1	1783.7	2299.9	2624.1	2723.4	2742.0	2742.0	2767.0	3004.1	2828.7
62.5°	1423.1	1455.9	1686.7	2197.7	2695.3	2949.8	3044.0	3042.9	3052.8	3332.2	3053.2
65°	1227.1	1257.6	1491.9	2036.6	2730.1	3199.2	3387.2	3383.7	3363.9	3624.4	3201.6
67.5°	891.0	919.9	1142.8	1730.2	2604.7	3400.3	3740.7	3742.3	3624.0	3808.4	3209.5
70°	587.4	607.2	734.7	1123.8	2118.2	3313.6	3888.8	3893.5	3663.9	3693.6	2856.4
72.5°	366.6	380.4	458.8	670.2	1251.7	2622.9	3508.8	3521.8	3296.2	3245.9	2347.0
75°	243.4	252.9	305.2	390.7	579.1	1419.5	2667.2	2709.2	2641.9	2544.5	1635.2
77.5°	146.5	154.4	194.4	248.2	256.5	554.6	1556.9	1665.3	1674.8	1328.5	684.8
80°	66.9	76.0	107.3	141.7	136.6	193.2	549.0	574.4	677.7	422.0	216.1
82.5°	39.6	43.5	71.3	70.5	58.2	93.8	197.5	202.7	172.2	154.4	92.2
85°	15.8	18.6	30.1	26.5	21.4	30.5	74.4	78.0	74.8	67.3	34.0
87.5°	0.0	0.0	0.0	0.0	0.4	0.8	6.7	7.1	10.3	18.6	10.3
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°	906.1	906.1	906.1	906.1	906.1	906.1	906.1	906.1	906.1	906.1	906.1
2.5°	912.8	910.4	922.3	931.4	935.4	939.3	935.8	934.6	934.6	926.7	922.7
5°	922.7	923.9	940.1	947.7	947.7	944.5	935.0	928.3	925.9	915.6	912.8
7.5°	941.3	946.5	961.5	961.1	950.0	932.6	908.9	890.7	874.0	866.9	862.5
10°	971.8	978.5	988.8	972.2	941.3	895.4	845.1	805.5	781.8	762.8	762.8
12.5°	1006.6	1013.0	1011.0	972.6	908.9	823.0	750.5	705.0	671.7	654.3	654.3
15°	1041.5	1046.6	1025.2	954.4	841.2	726.8	647.6	593.0	564.1	547.8	547.8
17.5°	1076.7	1076.3	1031.2	912.4	752.9	620.3	542.7	500.3	490.5	487.7	487.3
20°	1110.7	1101.6	1023.7	842.4	650.4	513.0	463.9	466.7	481.3	487.7	488.5
22.5°	1149.1	1126.6	1001.5	752.9	534.0	438.6	441.8	464.7	486.1	495.6	496.8
25°	1188.3	1148.0	964.3	648.0	436.6	411.3	435.8	461.6	485.7	498.0	499.2
27.5°	1204.2	1148.0	900.9	526.5	384.8	399.8	426.7	451.7	477.0	491.2	494.0
30°	1217.2	1138.1	812.3	416.8	363.4	388.7	412.1	435.0	460.0	477.4	480.6
32.5°	1235.4	1129.3	705.0	350.3	353.5	378.0	394.3	413.7	436.2	447.7	446.5
35°	1256.8	1115.9	575.6	318.7	345.2	368.9	380.4	391.9	381.6	381.2	382.4
37.5°	1287.3	1104.0	462.7	304.4	339.6	362.6	372.1	347.6	333.3	327.4	325.0
40°	1331.2	1099.3	365.0	296.1	338.8	362.2	355.5	317.5	298.1	277.5	277.1
42.5°	1386.6	1095.7	301.6	292.1	341.6	371.3	332.5	297.7	257.7	248.6	247.8
45°	1457.9	1090.2	270.0	291.3	348.3	378.4	330.1	270.4	243.0	239.1	239.1
47.5°	1543.8	1081.4	255.7	291.3	355.9	375.3	323.0	264.4	236.3	240.7	243.4
50°	1642.4	1070.4	248.2	290.6	363.4	375.3	308.0	263.2	234.7	257.3	266.4
52.5°	1747.7	1057.7	243.0	287.4	368.5	375.7	308.8	267.2	236.3	261.3	268.8
55°	1864.0	1055.7	235.9	280.7	370.1	365.4	310.7	275.9	238.7	236.7	237.1
57.5°	2010.9	1079.5	230.8	270.8	363.8	344.4	314.7	282.2	235.9	236.3	239.1
60°	2164.5	1124.2	235.1	261.3	350.7	324.6	317.5	279.1	222.5	216.1	216.9
62.5°	2295.1	1158.2	238.7	256.9	331.7	307.2	314.7	271.9	214.9	213.4	216.9
65°	2349.7	1130.1	230.0	247.8	304.0	285.8	308.8	262.8	208.6	202.7	203.1
67.5°	2289.2	998.3	213.0	227.6	272.7	258.5	299.3	251.0	199.9	192.8	191.2
70°	1955.5	733.5	183.7	195.5	234.7	226.4	284.6	235.5	186.0	180.9	177.3
72.5°	1575.9	519.3	152.4	155.6	184.1	190.8	259.3	216.1	170.2	155.6	150.4
75°	1096.9	326.2	127.1	123.9	133.0	145.7	202.3	179.3	146.9	131.4	126.7
77.5°	471.8	167.4	99.4	97.8	88.7	100.9	155.2	149.6	123.1	105.3	102.5
80°	157.9	97.0	71.6	68.9	59.0	70.9	109.3	119.5	96.6	78.0	73.2
82.5°	79.2	56.2	45.5	41.2	39.6	44.7	64.5	74.4	66.9	53.8	45.5
85°	38.8	32.1	24.9	24.5	20.6	19.4	26.9	31.7	30.1	22.2	21.0
87.5°	14.3	12.7	7.9	6.3	4.0	2.8	1.6	1.6	1.2	1.2	1.2
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)