

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: P632592

Luminaire Tested: GWS-SA2D-722-U-SL4-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632592
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2D-722-U-SL4-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6776.5 lumens
Efficiency: N/A
Efficacy: 82.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

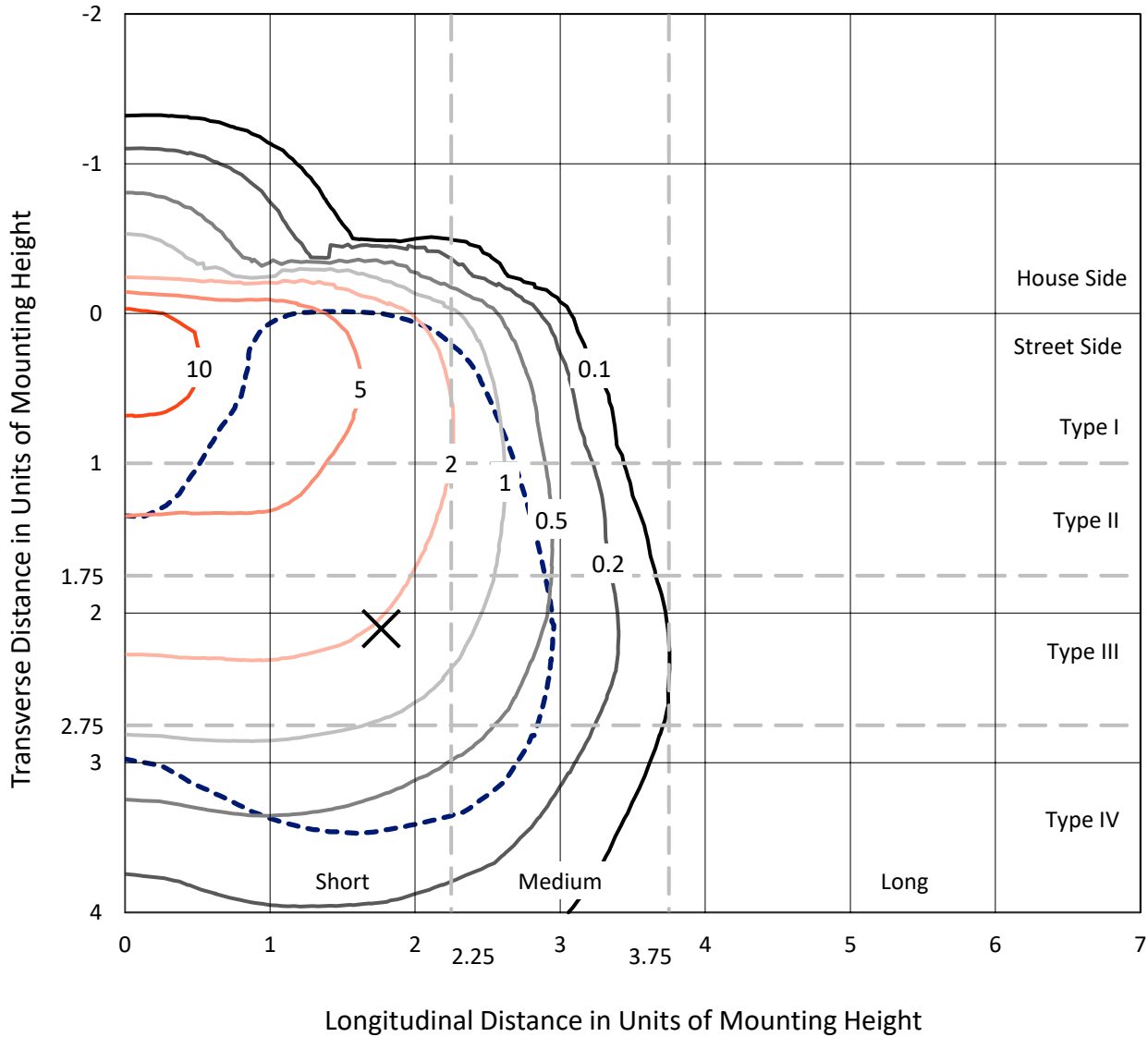
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

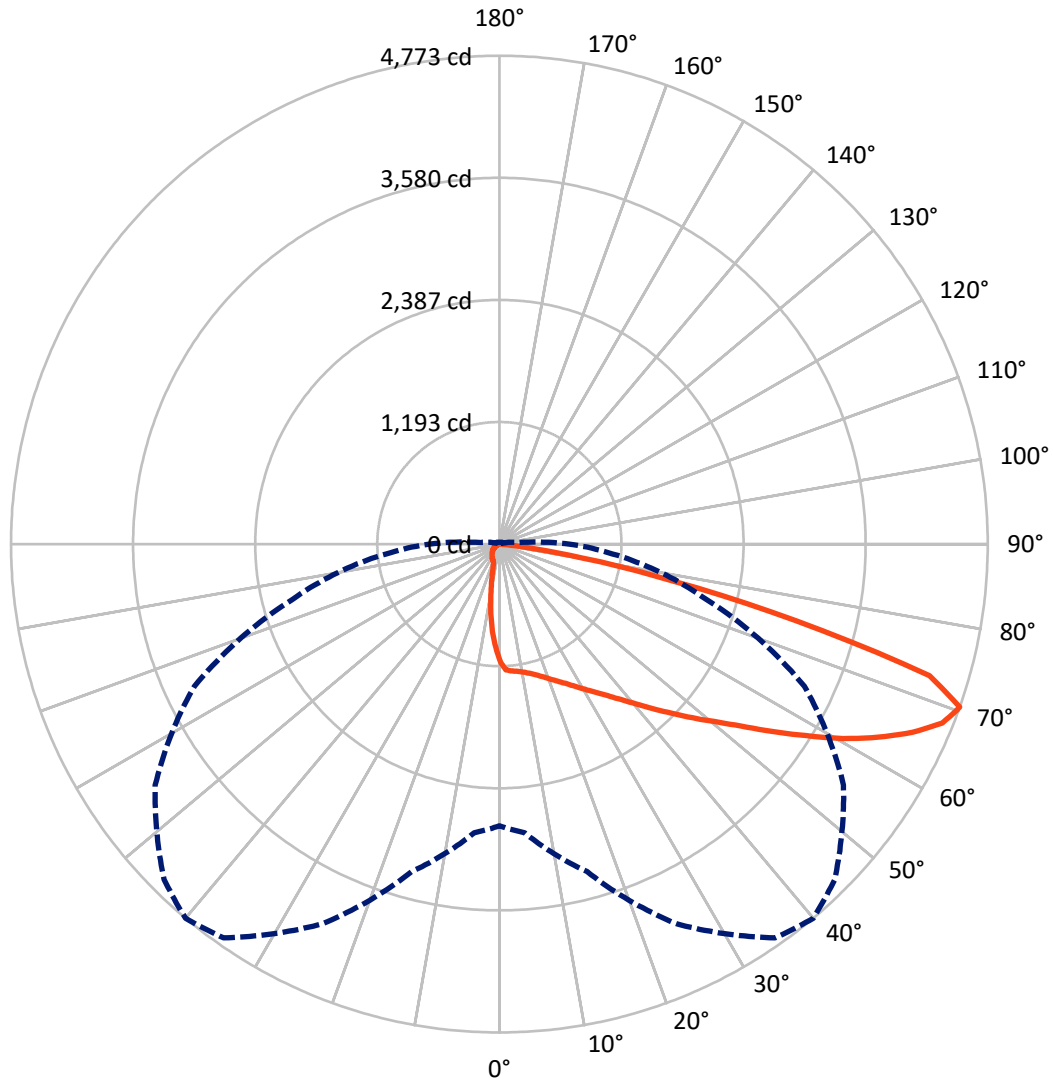
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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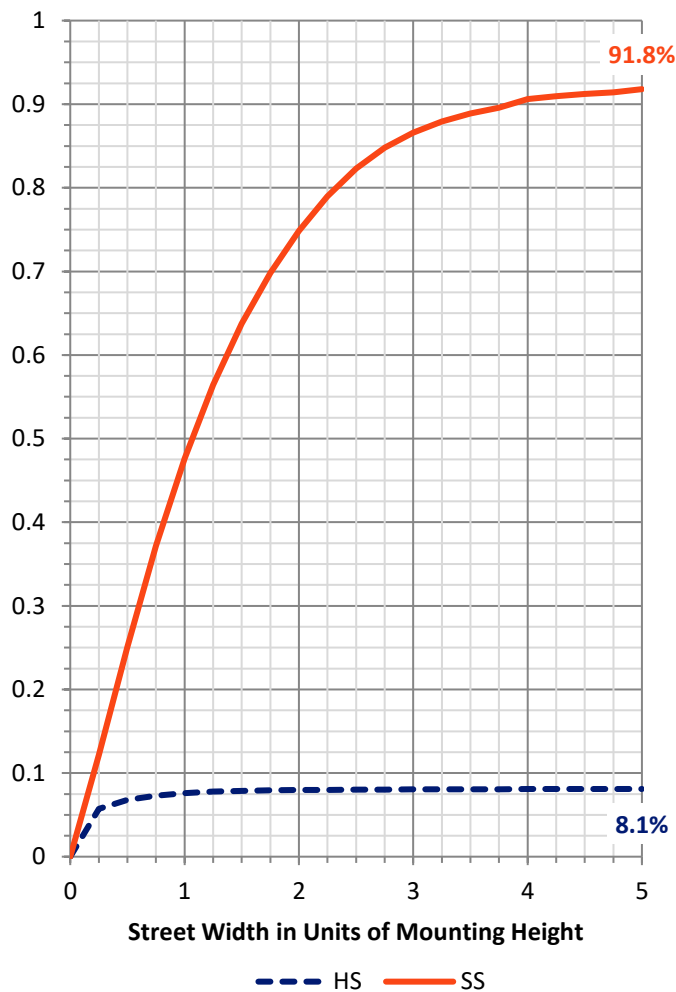
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	554.1	0.0	554.1
	% Fixture	8.2	0.0	8.2
Street Side	Lumens	6222.4	0.0	6222.4
	% Fixture	91.8	0.0	91.8
Total	Lumens	6776.5	0.0	6776.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.2	1.4
10°-20°	246.5	3.6
20°-30°	412.5	6.1
30°-40°	648.0	9.6
40°-50°	1024.9	15.1
50°-60°	1495.1	22.1
60°-70°	1853.4	27.4
70°-80°	937.7	13.8
80°-90°	61.2	0.9
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°	6776.5	100.0
0°-180°	6776.5	100.0

Coefficient of Utilization



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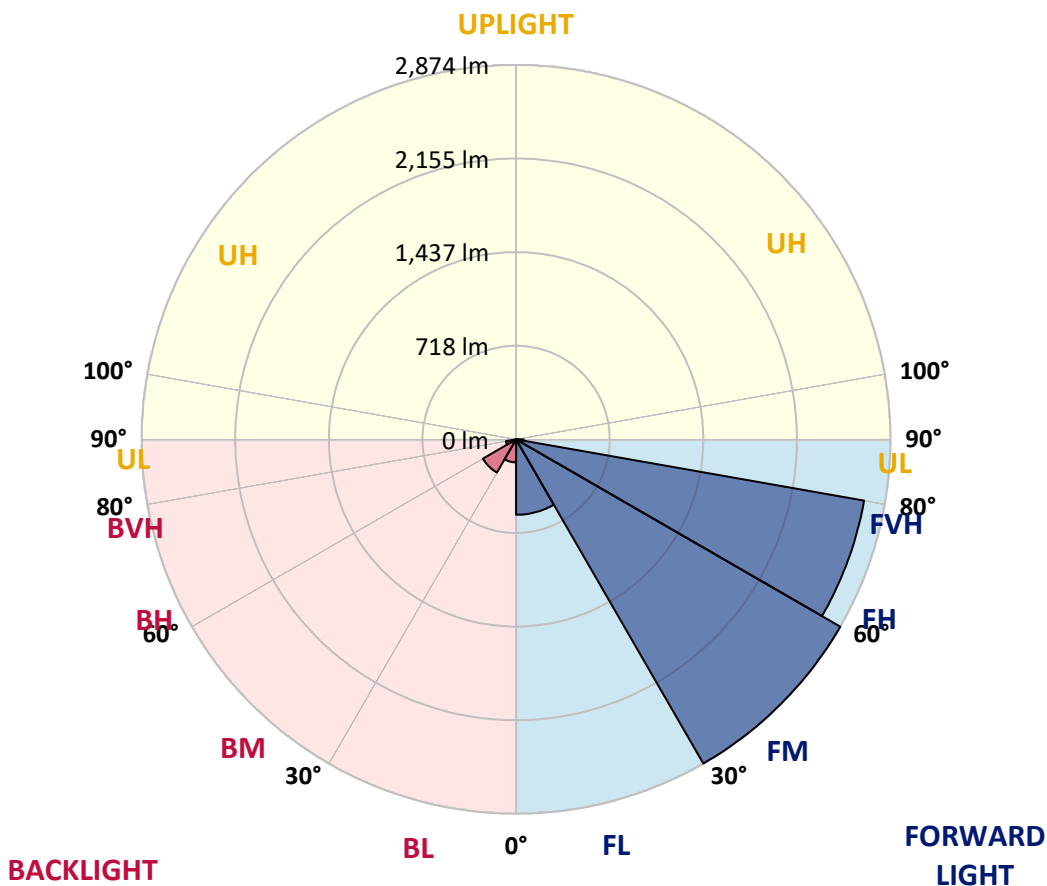
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	579.3	8.5			
FM (30°-60°)	2873.8	42.4			
FH (60°-80°)	2712.1	40.0			G2/5000
FVH (80°-90°)	57.2	0.8			G1/100
BL (0°-30°)	177.0	2.6	B1/500		
BM (30°-60°)	294.1	4.3	B1/1000		
BH (60°-80°)	79.0	1.2	B0/110		G0/110
BVH (80°-90°)	4.0	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9
2.5°	1236.2	1240.5	1239.9	1241.8	1237.4	1230.7	1229.4	1220.2	1203.5	1182.6	1159.1
5°	1261.5	1266.4	1262.7	1260.9	1252.9	1245.5	1243.6	1233.7	1214.6	1186.3	1145.6
7.5°	1283.1	1284.3	1281.8	1277.5	1265.8	1255.9	1249.2	1235.6	1212.8	1184.4	1137.6
10°	1286.8	1286.2	1287.4	1288.0	1280.6	1272.0	1266.4	1247.9	1218.9	1188.7	1138.2
12.5°	1282.5	1282.5	1290.5	1299.7	1299.7	1295.4	1289.9	1273.2	1239.3	1203.5	1150.5
15°	1288.0	1289.9	1305.3	1322.5	1328.1	1323.8	1321.3	1304.0	1268.9	1229.4	1172.7
17.5°	1307.7	1309.6	1334.2	1360.1	1366.9	1362.0	1357.1	1339.8	1302.2	1259.0	1198.0
20°	1336.7	1341.6	1373.1	1406.4	1412.5	1406.4	1396.5	1372.5	1334.9	1291.1	1222.0
22.5°	1389.7	1392.8	1426.7	1461.9	1465.0	1455.1	1440.3	1407.0	1367.5	1325.0	1249.2
25°	1460.0	1464.3	1498.2	1532.2	1524.1	1509.3	1489.0	1451.4	1406.4	1365.1	1283.7
27.5°	1543.9	1548.8	1582.1	1611.7	1590.7	1573.5	1550.7	1503.8	1458.2	1420.6	1328.1
30°	1634.5	1638.8	1668.4	1694.9	1667.2	1646.8	1619.7	1571.6	1525.4	1497.0	1391.0
32.5°	1722.1	1721.4	1749.8	1771.4	1743.0	1727.0	1702.3	1653.6	1616.6	1604.3	1484.7
35°	1803.4	1803.4	1826.9	1848.5	1828.1	1819.5	1796.7	1757.8	1736.9	1751.7	1609.8
37.5°	1885.5	1881.1	1903.3	1927.4	1925.5	1926.1	1913.2	1894.7	1895.9	1948.3	1781.9
40°	1953.3	1951.4	1977.3	2008.8	2033.4	2053.2	2045.1	2051.9	2090.8	2188.8	2002.0
42.5°	2007.5	2011.8	2045.1	2095.1	2157.4	2197.4	2203.0	2230.7	2330.6	2482.3	2250.5
45°	2069.8	2070.4	2116.7	2193.1	2292.4	2355.9	2378.1	2449.6	2591.4	2786.9	2523.0
47.5°	2146.3	2138.9	2190.6	2297.9	2441.6	2535.3	2574.8	2664.2	2883.7	3084.1	2744.9
50°	2230.7	2217.2	2275.7	2421.9	2608.7	2725.8	2806.0	2936.7	3173.5	3328.2	2910.2
52.5°	2328.8	2315.8	2382.4	2564.3	2809.1	2951.5	3054.5	3186.4	3421.9	3514.4	3008.8
55°	2453.3	2440.4	2510.6	2735.1	3045.8	3230.8	3338.7	3449.7	3653.1	3651.9	3080.4
57.5°	2591.4	2573.5	2671.0	2950.9	3341.2	3533.5	3643.3	3697.5	3828.9	3758.6	3128.4
60°	2749.9	2733.8	2868.9	3208.0	3682.1	3860.3	3929.4	3907.2	3973.1	3821.5	3111.8
62.5°	2892.9	2885.5	3053.2	3480.5	4007.0	4157.5	4176.6	4079.8	4079.2	3822.7	2999.6
65°	3041.5	3055.7	3304.8	3794.3	4333.8	4434.9	4402.3	4251.2	4121.7	3671.6	2667.9
67.5°	3097.0	3138.3	3470.6	4078.0	4591.5	4670.5	4613.1	4336.9	3944.8	3163.6	2031.6
70°	2754.2	2831.9	3314.0	4094.0	4698.2	4773.4	4635.9	4106.3	3288.7	2095.7	1112.9
72.5°	2094.5	2185.1	2761.6	3352.3	4225.3	4396.7	4161.8	3345.5	2119.7	918.1	373.6
75°	1172.1	1270.1	2056.9	2524.2	2836.8	2993.4	2907.1	2146.3	939.0	239.8	111.6
77.5°	396.5	429.1	956.9	1561.8	1872.5	1731.9	1466.2	1066.0	345.3	91.3	59.2
80°	234.9	247.2	356.4	777.5	985.3	816.9	644.9	394.0	175.7	48.7	41.3
82.5°	70.3	83.2	196.7	288.6	386.0	240.5	203.5	225.0	91.3	26.5	34.5
85°	0.0	0.0	41.9	89.4	101.1	39.5	39.5	127.6	16.6	11.1	25.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	3.1	1.8	2.5	5.5
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°	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9
2.5°	1142.5	1120.9	1095.6	1071.6	1048.8	1019.2	1005.0	987.7	972.9	964.9	969.2
5°	1119.7	1085.8	1034.0	981.6	928.5	878.6	833.6	803.4	776.3	762.1	765.2
7.5°	1099.9	1054.3	973.6	887.9	802.8	717.1	647.4	593.1	551.2	533.9	530.9
10°	1091.3	1034.0	919.9	796.6	665.9	550.6	451.9	392.1	349.6	328.6	332.3
12.5°	1095.6	1023.5	874.3	707.2	537.6	403.2	308.9	252.8	222.6	210.2	207.2
15°	1108.0	1021.0	833.6	615.9	414.9	281.8	213.3	190.5	184.4	183.1	183.1
17.5°	1122.1	1021.6	791.7	523.5	315.1	209.0	182.5	178.2	176.3	175.1	175.7
20°	1136.3	1021.6	743.6	429.7	236.8	180.7	173.9	170.8	168.9	168.3	168.3
22.5°	1153.6	1021.6	689.9	342.8	189.9	171.4	165.9	164.0	162.2	161.5	160.9
25°	1174.6	1022.3	630.7	268.2	172.6	163.4	159.1	157.2	155.4	154.1	154.1
27.5°	1204.8	1027.2	565.4	209.0	162.8	156.0	152.3	150.4	148.6	146.7	146.7
30°	1248.5	1039.5	492.0	172.6	153.5	148.0	144.3	143.0	141.2	139.3	138.7
32.5°	1313.9	1061.1	416.2	154.8	144.9	139.3	135.0	133.8	131.9	130.1	129.5
35°	1405.1	1100.6	342.2	143.7	133.8	128.2	125.8	125.2	122.7	120.8	120.8
37.5°	1538.9	1164.7	271.3	132.6	124.5	120.2	117.1	115.9	113.4	111.6	111.0
40°	1702.3	1247.9	210.9	123.9	115.9	111.6	108.5	106.7	103.6	101.1	99.9
42.5°	1910.7	1349.7	166.5	114.7	107.9	103.6	101.1	97.4	93.1	89.4	88.8
45°	2127.8	1454.5	137.5	106.0	100.5	96.8	93.7	88.8	82.6	78.3	77.1
47.5°	2294.2	1519.8	120.2	96.8	92.5	89.4	85.7	79.5	72.1	67.2	66.0
50°	2413.2	1529.7	107.3	88.2	85.7	82.6	77.1	69.7	61.7	56.7	55.5
52.5°	2471.8	1485.3	96.8	80.2	78.3	75.2	68.4	60.4	51.8	46.9	45.6
55°	2498.3	1401.4	86.9	73.4	70.9	67.2	59.8	51.2	42.5	38.2	37.0
57.5°	2487.8	1277.5	78.3	66.6	63.5	59.2	51.2	41.9	35.1	30.8	30.2
60°	2410.1	1103.6	69.7	59.8	56.1	51.2	43.2	34.5	28.4	25.3	24.7
62.5°	2242.4	887.9	61.0	51.8	49.3	44.4	37.0	28.4	23.4	21.6	21.0
65°	1899.0	627.7	52.4	43.8	42.5	37.6	30.8	23.4	20.3	19.1	18.5
67.5°	1365.1	381.7	44.4	37.6	36.4	32.1	25.9	20.3	18.5	17.9	17.9
70°	686.2	180.7	35.1	30.8	30.8	26.5	22.2	18.5	17.9	17.3	17.3
72.5°	233.1	77.1	26.5	24.0	25.3	22.8	19.1	17.3	17.3	17.3	17.3
75°	79.5	40.7	18.5	17.3	18.5	18.5	16.6	16.6	17.3	17.3	17.3
77.5°	51.8	27.1	12.9	11.7	14.2	14.2	14.2	15.4	16.6	16.6	16.6
80°	42.5	14.8	8.6	8.0	10.5	10.5	11.7	14.2	15.4	15.4	15.4
82.5°	36.4	9.2	4.9	5.5	7.4	8.0	9.9	11.7	13.6	14.2	14.2
85°	24.7	4.9	3.7	4.3	4.9	6.2	8.0	9.9	11.1	12.3	12.3
87.5°	6.8	1.8	2.5	3.1	3.1	4.3	6.2	7.4	8.6	9.2	9.2
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)