

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: P631426

Luminaire Tested: GWS-SA1F-760-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631426
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-50)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1F-760-U-RW-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5509 lumens
Efficiency: N/A
Efficacy: 82.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

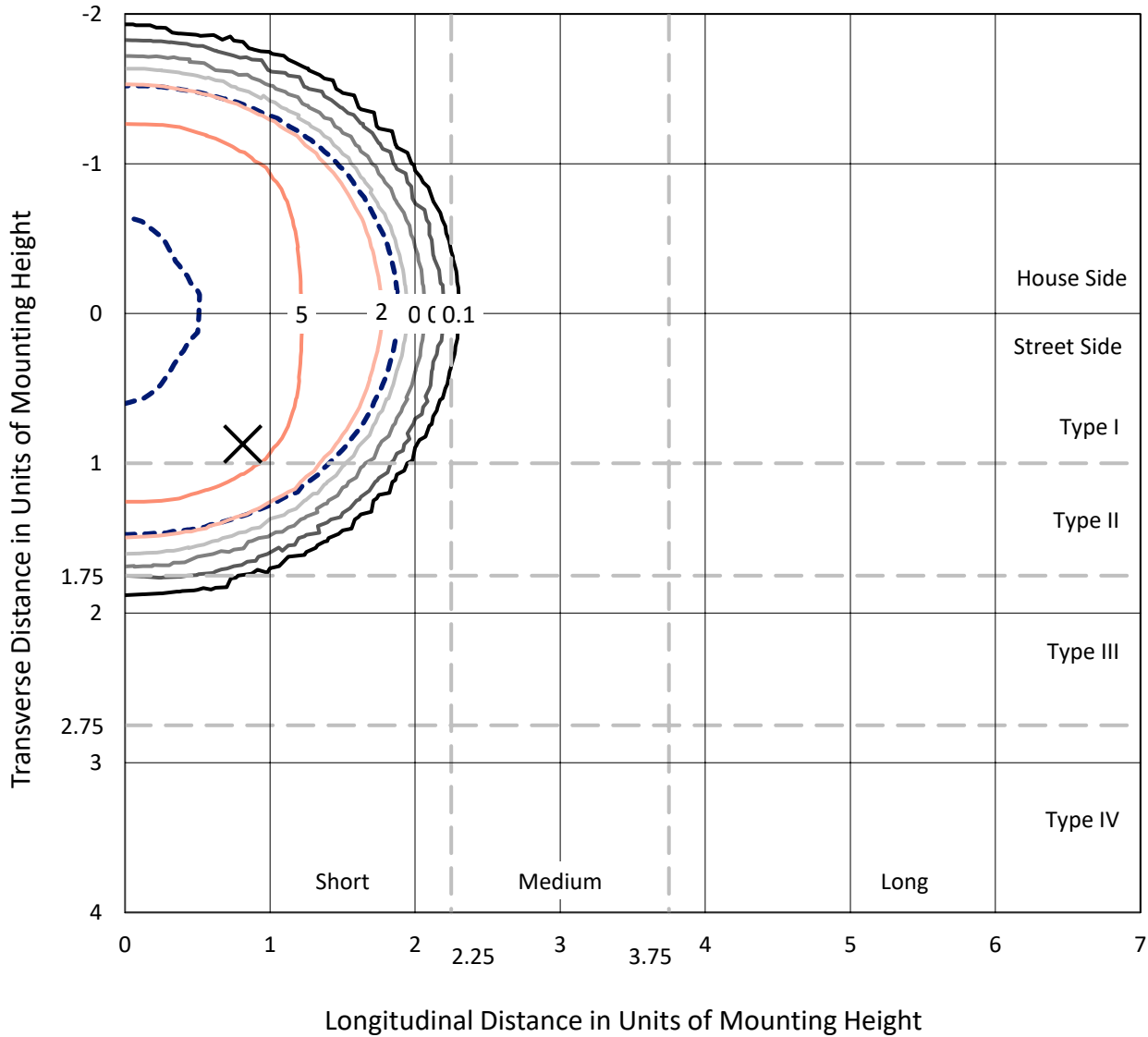
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

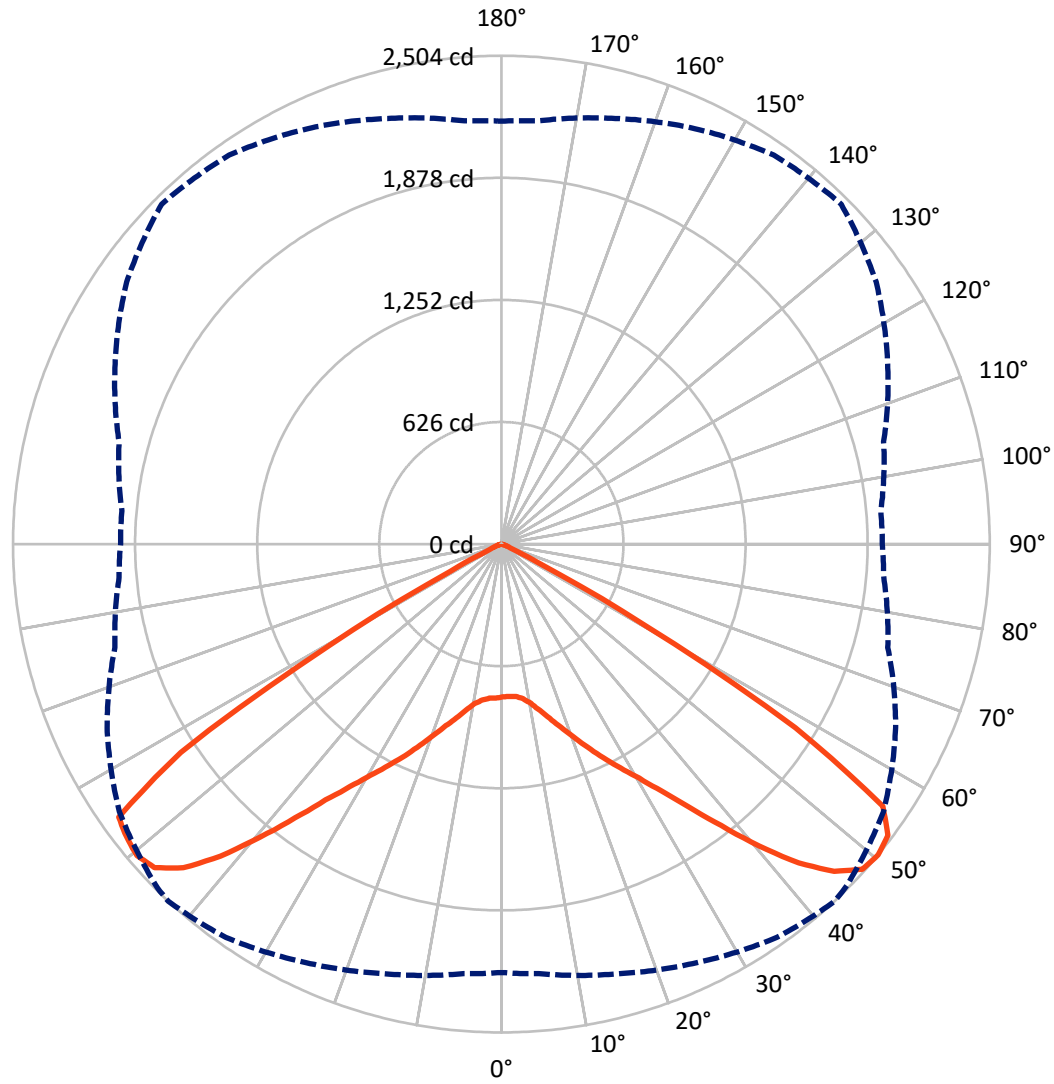
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 43-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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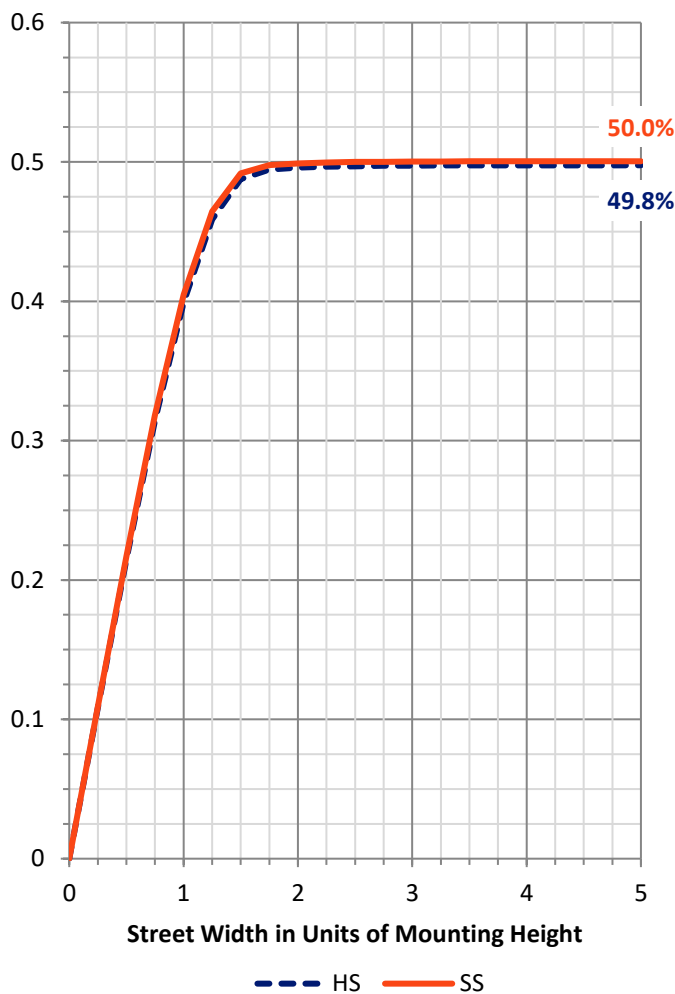
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2754.4	0.0	2754.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2754.6	0.0	2754.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	5509.0	0.0	5509.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.2	1.4
10°-20°	265.5	4.8
20°-30°	537.2	9.8
30°-40°	996.8	18.1
40°-50°	1654.6	30.0
50°-60°	1688.5	30.7
60°-70°	276.9	5.0
70°-80°	12.1	0.2
80°-90°	0.2	0.0
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°	5509.0	100.0
0°-180°	5509.0	100.0

Coefficient of Utilization



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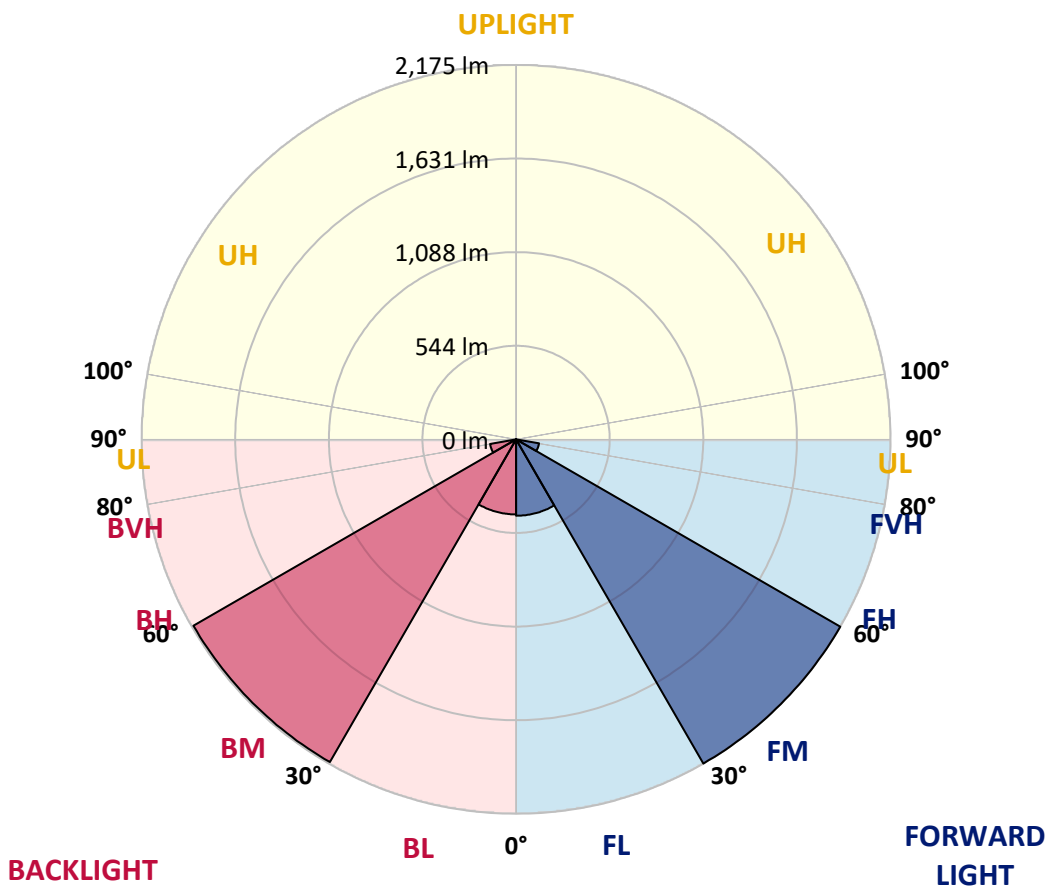
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	443.8	8.1			
FM (30°-60°)	2175.2	39.5			
FH (60°-80°)	135.5	2.5			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	436.1	7.9	B1/500		
BM (30°-60°)	2164.6	39.3	B2/2500		
BH (60°-80°)	153.6	2.8	B1/500		G0/660
BVH (80°-90°)	0.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6
2.5°	768.9	770.8	773.2	775.6	778.7	781.7	783.6	789.1	787.8	792.7	792.7
5°	760.4	762.2	765.3	770.8	777.5	784.2	789.1	800.0	806.1	815.9	819.5
7.5°	764.7	767.1	770.8	779.3	789.7	800.0	805.5	823.2	835.4	853.6	864.0
10°	778.7	781.1	787.2	801.8	815.3	829.9	836.6	859.1	878.6	903.6	918.2
12.5°	794.5	797.6	809.8	831.7	854.9	874.4	883.5	908.5	928.6	956.6	979.8
15°	811.0	815.9	834.7	867.0	899.9	926.1	935.9	962.7	982.8	1012.7	1038.9
17.5°	849.4	854.9	876.2	910.9	956.0	986.5	995.0	1023.0	1038.3	1058.4	1085.8
20°	897.5	907.9	934.1	976.1	1025.5	1054.7	1060.8	1088.2	1087.0	1095.5	1119.3
22.5°	957.2	964.5	993.2	1043.1	1098.6	1130.9	1144.9	1156.5	1141.2	1133.9	1149.2
25°	1019.4	1027.9	1059.0	1113.8	1176.0	1213.1	1224.7	1233.8	1209.5	1182.1	1183.9
27.5°	1099.8	1105.9	1136.4	1194.8	1257.0	1299.0	1309.4	1325.2	1292.9	1249.1	1236.9
30°	1195.5	1201.6	1233.8	1295.4	1356.9	1392.9	1408.7	1428.2	1392.9	1338.0	1324.0
32.5°	1307.6	1313.7	1355.1	1418.5	1469.0	1508.0	1523.3	1544.0	1516.0	1454.4	1438.6
35°	1441.6	1445.3	1494.0	1562.9	1616.5	1654.3	1664.6	1689.0	1657.9	1596.4	1587.9
37.5°	1597.0	1601.3	1654.3	1734.1	1788.9	1831.0	1847.4	1854.1	1816.3	1747.5	1740.8
40°	1767.6	1781.6	1833.4	1919.3	1980.9	2033.9	2048.5	2025.9	1972.9	1879.1	1866.9
42.5°	1945.5	1957.7	2015.6	2108.8	2180.1	2234.3	2234.9	2186.2	2096.0	1966.2	1948.0
45°	2093.6	2098.5	2173.4	2267.2	2355.0	2393.4	2397.0	2308.7	2172.8	2016.8	1977.8
47.5°	2195.3	2203.3	2268.4	2358.6	2455.5	2490.2	2482.9	2372.6	2209.3	2049.7	1985.1
50°	2196.5	2210.0	2280.6	2367.8	2461.6	2503.6	2493.3	2390.9	2230.1	2050.9	1967.5
52.5°	2002.2	2024.1	2139.3	2265.4	2409.2	2481.1	2483.5	2414.7	2222.1	2031.4	1951.6
55°	1510.5	1534.2	1679.2	1894.3	2172.2	2372.6	2407.4	2386.7	2213.0	2040.0	1979.6
57.5°	799.4	781.1	861.6	1074.8	1423.9	1778.6	1880.3	2046.1	2111.2	2050.3	2031.4
60°	174.3	185.8	247.4	333.3	555.7	836.6	935.9	1219.8	1557.4	1707.3	1815.7
62.5°	74.9	73.7	76.8	87.1	127.3	212.0	259.0	422.9	667.2	916.4	1085.2
65°	61.5	62.1	64.6	64.6	60.3	60.9	64.0	96.9	156.0	218.7	293.7
67.5°	46.3	46.9	51.2	52.4	49.4	43.9	43.3	36.6	38.4	48.1	50.0
70°	29.2	29.2	31.7	32.9	32.9	30.5	29.9	26.2	25.6	29.2	32.9
72.5°	15.8	15.8	17.1	17.7	17.1	16.5	16.5	15.8	15.2	17.7	22.5
75°	6.7	6.7	7.3	7.3	6.7	6.7	6.7	6.7	6.7	7.9	12.2
77.5°	1.2	1.8	2.4	1.8	1.2	1.2	1.2	1.8	1.8	2.4	3.7
80°	0.6	0.6	1.2	0.6	0.0	0.0	0.0	0.0	0.6	0.6	0.6
82.5°	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6	783.6
2.5°	797.0	790.3	792.7	793.9	792.1	790.9	784.2	782.3	779.3	774.4	773.2
5°	823.8	818.3	817.7	814.0	805.5	795.1	782.3	776.9	770.8	764.7	763.5
7.5°	868.9	862.2	857.9	845.7	826.2	809.8	788.4	776.9	768.9	761.0	759.2
10°	926.8	918.8	906.6	884.1	857.9	834.1	809.2	793.9	781.7	770.8	770.2
12.5°	988.3	979.8	957.8	929.2	897.5	875.6	843.9	822.6	804.3	787.8	786.0
15°	1052.9	1042.5	1012.7	978.5	949.3	926.8	892.0	857.9	829.9	806.1	803.7
17.5°	1102.2	1089.4	1054.1	1028.5	1004.7	981.6	942.6	897.5	860.3	831.7	825.0
20°	1133.3	1121.1	1087.6	1073.6	1062.6	1046.2	999.9	953.0	911.5	876.2	870.1
22.5°	1163.2	1148.5	1119.3	1119.3	1127.8	1121.1	1071.2	1017.5	968.8	928.0	918.8
25°	1196.7	1185.1	1164.4	1181.4	1202.8	1202.2	1151.0	1084.0	1027.9	982.2	973.1
27.5°	1245.4	1233.8	1226.5	1258.8	1285.6	1283.8	1227.8	1155.2	1096.1	1051.1	1042.5
30°	1331.3	1320.4	1312.4	1351.4	1385.6	1372.8	1311.2	1241.2	1181.4	1130.3	1124.2
32.5°	1445.9	1434.3	1423.9	1462.9	1493.4	1477.0	1418.5	1352.7	1283.8	1233.8	1221.7
35°	1596.4	1572.0	1561.7	1608.0	1620.8	1602.5	1546.4	1488.5	1415.4	1358.1	1350.2
37.5°	1751.8	1723.1	1715.8	1756.0	1776.7	1770.0	1704.2	1643.9	1564.7	1501.3	1492.2
40°	1884.6	1858.4	1845.6	1908.3	1955.3	1959.5	1900.4	1826.7	1733.5	1667.7	1651.2
42.5°	1962.6	1940.0	1937.0	2034.5	2111.2	2166.1	2095.4	2019.2	1921.1	1846.8	1833.4
45°	1980.2	1965.6	1991.2	2119.2	2238.6	2338.5	2278.2	2197.8	2091.7	2013.1	2000.4
47.5°	1978.4	1973.5	2019.2	2163.0	2314.1	2437.2	2407.4	2316.6	2214.2	2132.0	2119.8
50°	1952.2	1952.8	2029.0	2185.0	2344.6	2464.0	2434.2	2350.1	2258.7	2177.7	2167.9
52.5°	1941.9	1938.2	2010.7	2178.3	2375.7	2451.8	2384.8	2290.4	2188.6	2088.7	2074.1
55°	1978.4	1969.3	2013.1	2172.8	2379.3	2445.1	2268.4	2063.7	1855.3	1737.1	1727.4
57.5°	2033.3	2023.5	2044.2	2132.6	2188.6	2033.3	1669.5	1339.3	1124.8	1034.0	994.4
60°	1815.7	1809.0	1793.2	1686.6	1446.5	1091.3	743.4	474.0	340.6	275.4	275.4
62.5°	1126.6	1117.5	1031.6	766.5	556.9	322.3	177.3	110.9	84.1	78.6	78.0
65°	316.2	314.4	260.2	184.0	117.0	72.5	64.0	65.2	64.0	62.1	61.5
67.5°	47.5	52.4	52.4	42.7	40.8	45.7	53.6	57.3	54.2	51.2	50.0
70°	30.5	32.9	31.7	27.4	29.2	34.1	38.4	39.0	37.2	34.1	33.5
72.5°	21.3	23.8	19.5	17.7	18.3	20.1	21.9	21.9	21.3	20.1	18.9
75°	12.8	12.8	9.1	8.5	8.5	9.1	9.1	10.4	10.4	9.7	9.1
77.5°	4.3	4.9	3.0	2.4	2.4	2.4	3.0	3.7	3.7	3.0	2.4
80°	0.6	1.2	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2	0.6
82.5°	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)