

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: P634066

Luminaire Tested: GWS-SA3B-722-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634066
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-SA3B-722-U-RW-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4965.7 lumens
Efficiency: N/A
Efficacy: 72.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

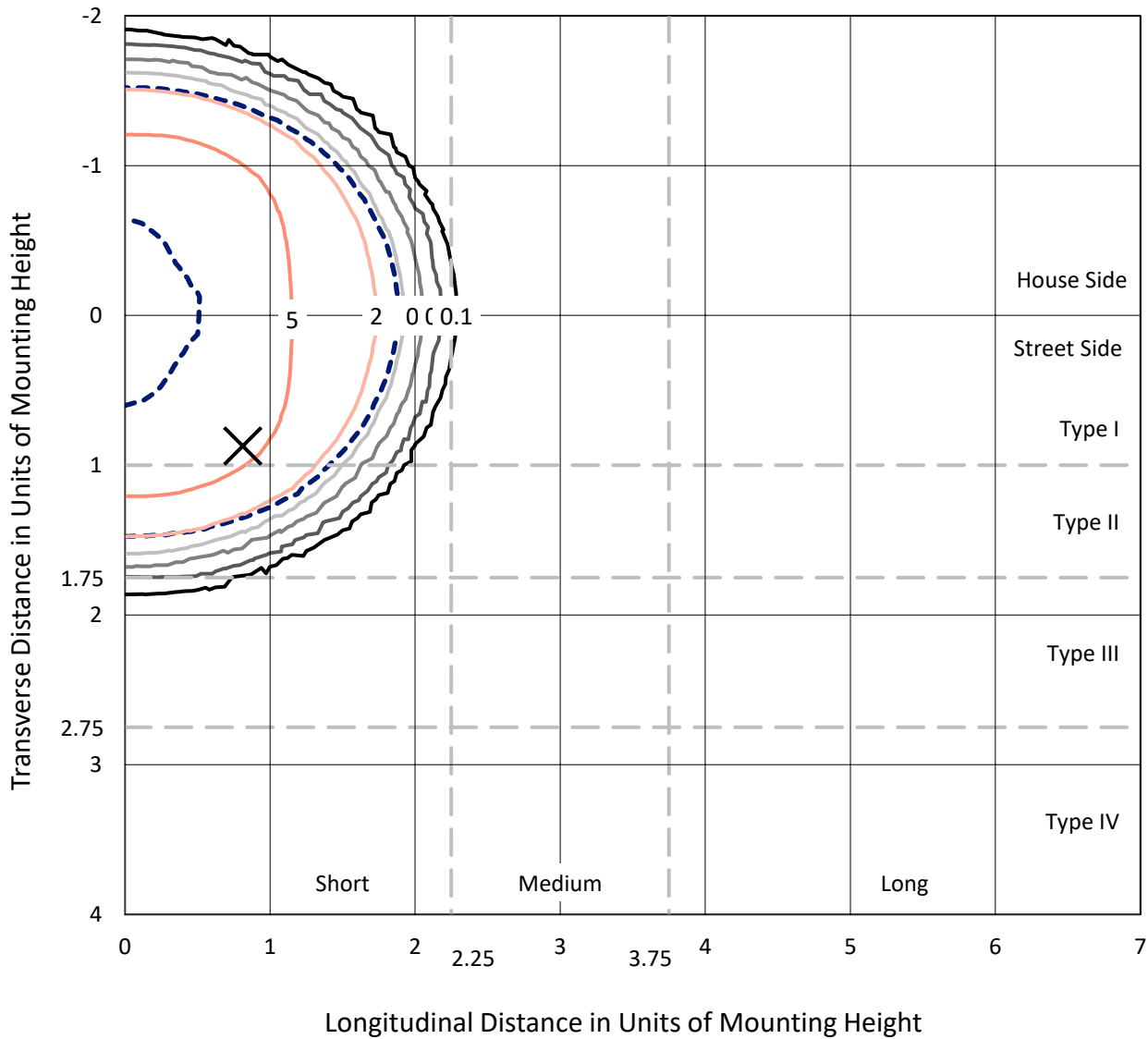
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

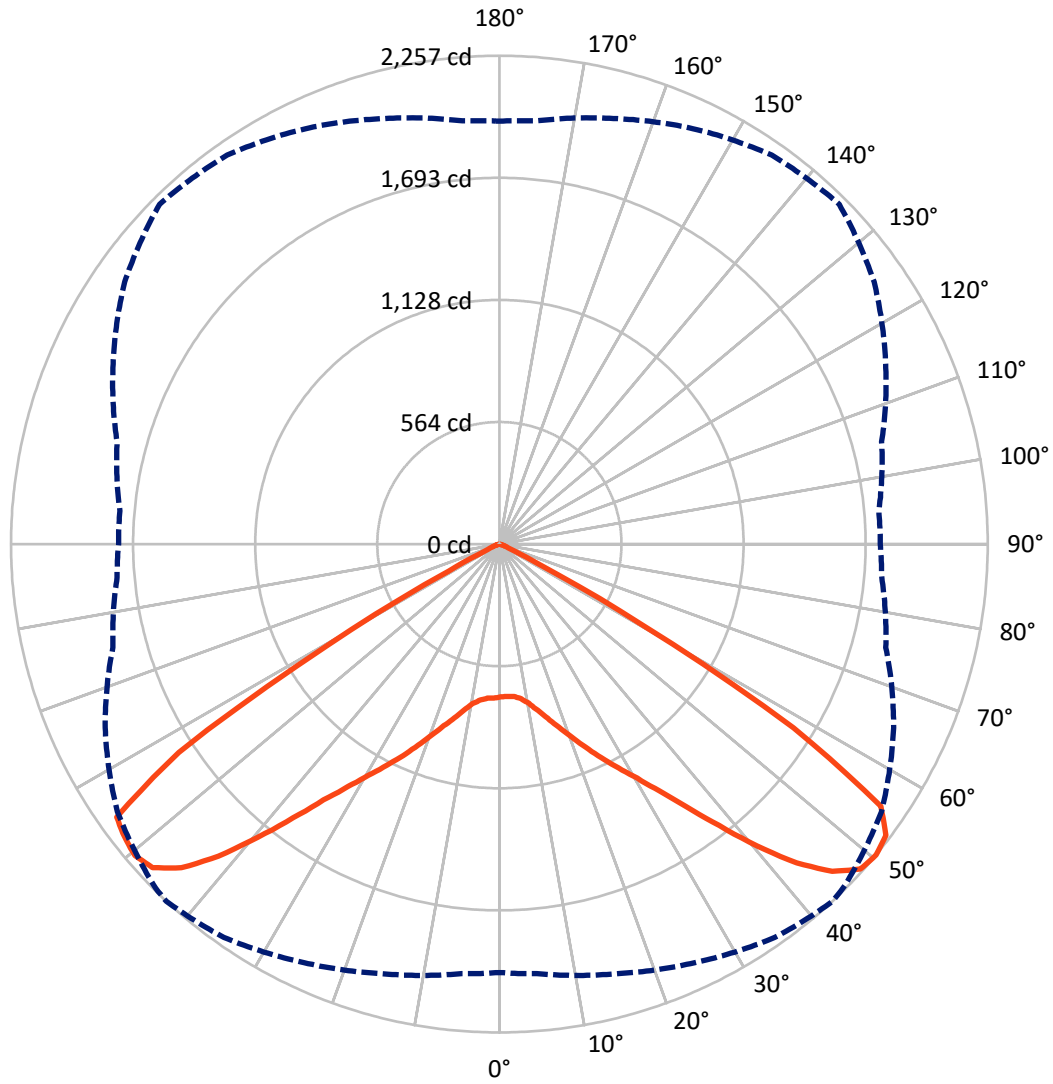
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.5 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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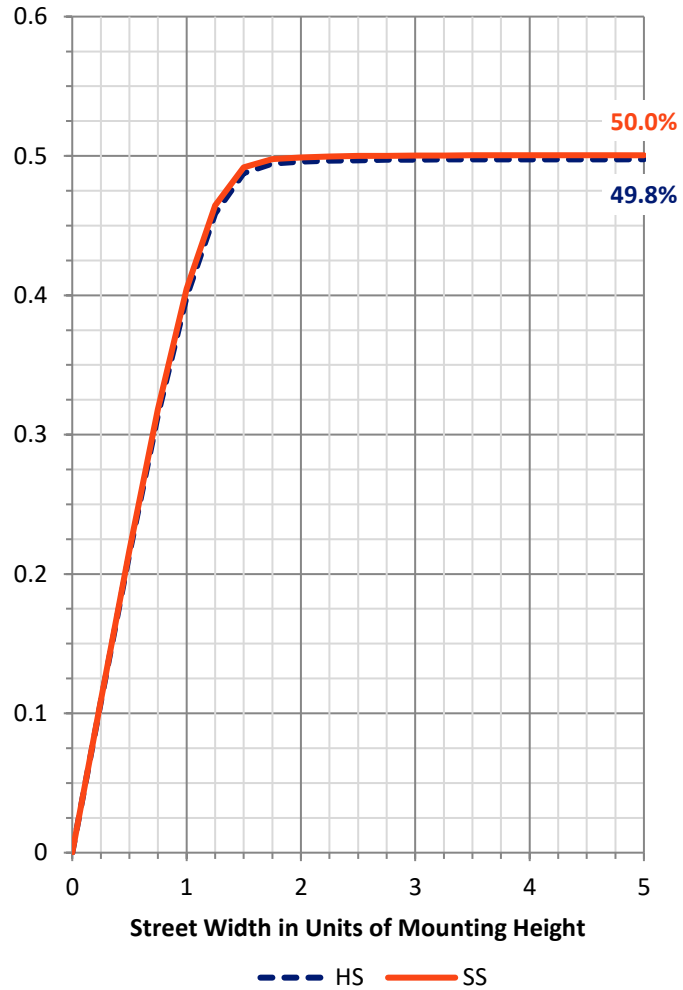
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2482.8	0.0	2482.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2482.9	0.0	2482.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	4965.7	0.0	4965.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.6	1.4
10°-20°	239.4	4.8
20°-30°	484.3	9.8
30°-40°	898.5	18.1
40°-50°	1491.4	30.0
50°-60°	1522.0	30.7
60°-70°	249.6	5.0
70°-80°	10.9	0.2
80°-90°	0.1	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°	4965.7	100.0
0°-180°	4965.7	100.0

Coefficient of Utilization



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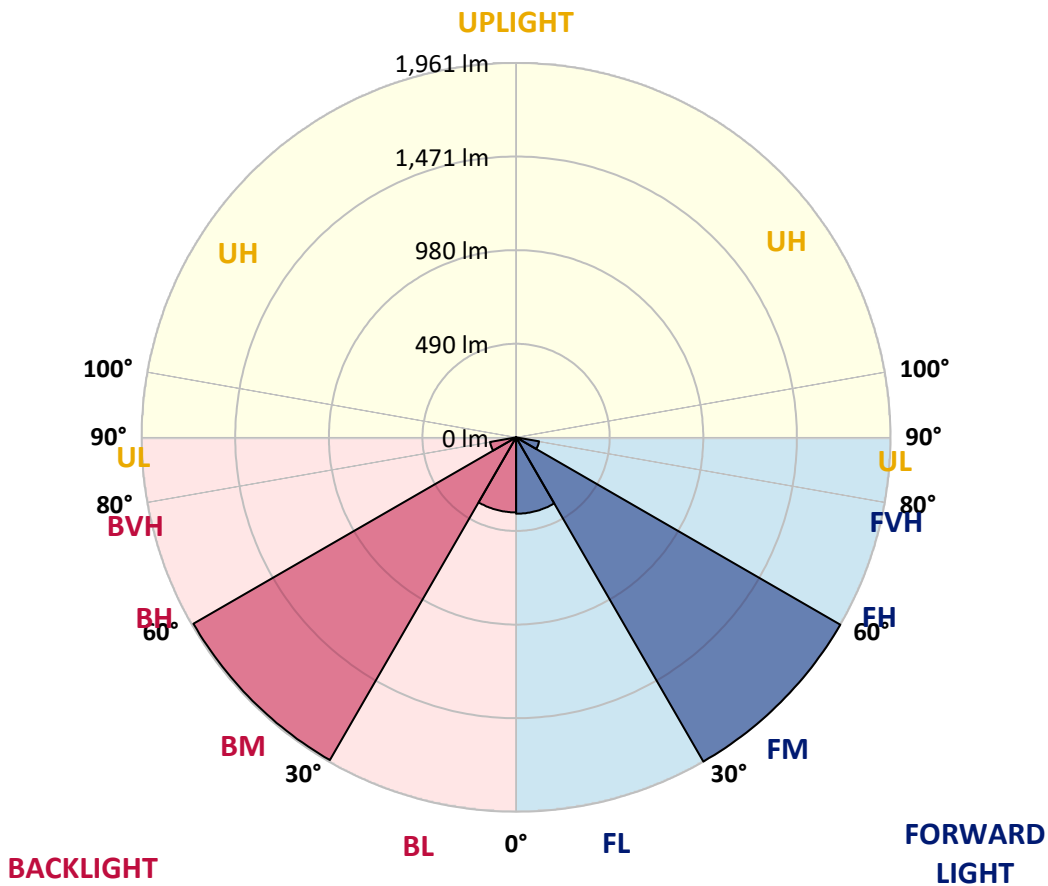
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	400.1	8.1			
FM (30°-60°)	1960.7	39.5			
FH (60°-80°)	122.1	2.5			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	393.1	7.9	B1/500		
BM (30°-60°)	1951.2	39.3	B2/2500		
BH (60°-80°)	138.4	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°	706.3	706.3	706.3	706.3	706.3	706.3	706.3	706.3	706.3	706.3	706.3
2.5°	693.1	694.8	697.0	699.2	701.9	704.6	706.3	711.2	710.1	714.5	714.5
5°	685.4	687.1	689.8	694.8	700.8	706.8	711.2	721.1	726.6	735.4	738.7
7.5°	689.3	691.5	694.8	702.4	711.8	721.1	726.1	742.0	753.0	769.5	778.8
10°	701.9	704.1	709.6	722.8	734.9	748.0	754.1	774.4	792.0	814.5	827.7
12.5°	716.2	718.9	729.9	749.7	770.6	788.1	796.4	818.9	837.0	862.3	883.1
15°	731.0	735.4	752.4	781.5	811.2	834.8	843.6	867.8	885.9	912.8	936.4
17.5°	765.6	770.6	789.8	821.1	861.7	889.2	896.9	922.1	935.9	954.0	978.7
20°	809.0	818.3	841.9	879.8	924.3	950.7	956.2	980.9	979.8	987.5	1008.9
22.5°	862.8	869.4	895.2	940.3	990.2	1019.3	1032.0	1042.4	1028.7	1022.1	1035.8
25°	918.8	926.5	954.5	1004.0	1060.0	1093.5	1103.9	1112.2	1090.2	1065.5	1067.1
27.5°	991.3	996.8	1024.3	1077.0	1133.0	1170.9	1180.3	1194.5	1165.4	1125.9	1114.9
30°	1077.6	1083.1	1112.2	1167.6	1223.1	1255.5	1269.8	1287.4	1255.5	1206.1	1193.4
32.5°	1178.6	1184.1	1221.5	1278.6	1324.2	1359.3	1373.0	1391.7	1366.5	1311.0	1296.7
35°	1299.4	1302.7	1346.7	1408.7	1457.1	1491.1	1500.5	1522.4	1494.4	1438.9	1431.3
37.5°	1439.5	1443.3	1491.1	1563.1	1612.5	1650.4	1665.2	1671.3	1637.2	1575.2	1569.1
40°	1593.3	1605.9	1652.6	1730.0	1785.5	1833.3	1846.5	1826.1	1778.4	1693.8	1682.8
42.5°	1753.6	1764.6	1816.8	1900.8	1965.1	2014.0	2014.5	1970.6	1889.3	1772.3	1755.8
45°	1887.1	1891.5	1959.1	2043.6	2122.7	2157.3	2160.6	2081.0	1958.5	1817.9	1782.8
47.5°	1978.8	1986.0	2044.7	2126.0	2213.3	2244.6	2238.1	2138.6	1991.5	1847.6	1789.3
50°	1979.9	1992.0	2055.7	2134.3	2218.8	2256.7	2247.4	2155.1	2010.1	1848.7	1773.4
52.5°	1804.7	1824.5	1928.3	2042.0	2171.6	2236.4	2238.6	2176.5	2003.0	1831.1	1759.1
55°	1361.5	1382.9	1513.6	1707.5	1958.0	2138.6	2170.0	2151.3	1994.8	1838.8	1784.4
57.5°	720.6	704.1	776.6	968.8	1283.5	1603.2	1694.9	1844.3	1903.0	1848.1	1831.1
60°	157.1	167.5	223.0	300.4	500.9	754.1	843.6	1099.5	1403.8	1538.9	1636.7
62.5°	67.6	66.5	69.2	78.5	114.8	191.1	233.4	381.2	601.4	826.0	978.2
65°	55.5	56.0	58.2	58.2	54.4	54.9	57.7	87.3	140.6	197.2	264.7
67.5°	41.7	42.3	46.1	47.2	44.5	39.5	39.0	33.0	34.6	43.4	45.0
70°	26.4	26.4	28.6	29.7	29.7	27.5	26.9	23.6	23.1	26.4	29.7
72.5°	14.3	14.3	15.4	15.9	15.4	14.8	14.8	14.3	13.7	15.9	20.3
75°	6.0	6.0	6.6	6.6	6.0	6.0	6.0	6.0	6.0	7.1	11.0
77.5°	1.1	1.6	2.2	1.6	1.1	1.1	1.1	1.6	1.6	2.2	3.3
80°	0.5	0.5	1.1	0.5	0.0	0.0	0.0	0.0	0.5	0.5	0.5
82.5°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
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°	706.3	706.3	706.3	706.3	706.3	706.3	706.3	706.3	706.3	706.3	706.3
2.5°	718.4	712.3	714.5	715.6	714.0	712.9	706.8	705.2	702.4	698.1	697.0
5°	742.5	737.6	737.0	733.8	726.1	716.7	705.2	700.3	694.8	689.3	688.2
7.5°	783.2	777.1	773.3	762.3	744.7	729.9	710.7	700.3	693.1	686.0	684.3
10°	835.4	828.2	817.2	796.9	773.3	751.9	729.4	715.6	704.6	694.8	694.2
12.5°	890.8	883.1	863.4	837.6	809.0	789.2	760.7	741.4	725.0	710.1	708.5
15°	949.0	939.7	912.8	882.0	855.7	835.4	804.1	773.3	748.0	726.6	724.4
17.5°	993.5	982.0	950.1	927.1	905.7	884.8	849.6	809.0	775.5	749.7	743.6
20°	1021.5	1010.6	980.4	967.7	957.8	943.0	901.3	859.0	821.6	789.8	784.3
22.5°	1048.5	1035.3	1008.9	1008.9	1016.6	1010.6	965.5	917.2	873.3	836.5	828.2
25°	1078.7	1068.2	1049.6	1064.9	1084.2	1083.6	1037.5	977.1	926.5	885.3	877.1
27.5°	1122.6	1112.2	1105.6	1134.7	1158.8	1157.2	1106.7	1041.3	988.0	947.4	939.7
30°	1200.0	1190.2	1183.0	1218.2	1248.9	1237.4	1181.9	1118.8	1064.9	1018.8	1013.3
32.5°	1303.3	1292.9	1283.5	1318.7	1346.1	1331.3	1278.6	1219.3	1157.2	1112.2	1101.2
35°	1438.9	1417.0	1407.6	1449.4	1460.9	1444.4	1393.9	1341.7	1275.8	1224.2	1217.1
37.5°	1579.0	1553.2	1546.6	1582.8	1601.5	1595.5	1536.2	1481.8	1410.4	1353.3	1345.0
40°	1698.7	1675.1	1663.6	1720.1	1762.4	1766.3	1713.0	1646.6	1562.5	1503.2	1488.4
42.5°	1769.0	1748.7	1746.0	1833.8	1903.0	1952.5	1888.8	1820.1	1731.7	1664.7	1652.6
45°	1785.0	1771.8	1794.8	1910.2	2017.8	2107.9	2053.5	1981.0	1885.5	1814.6	1803.1
47.5°	1783.3	1778.9	1820.1	1949.7	2085.9	2196.9	2170.0	2088.1	1995.9	1921.7	1910.7
50°	1759.7	1760.2	1828.9	1969.5	2113.4	2221.0	2194.1	2118.3	2035.9	1962.9	1954.1
52.5°	1750.4	1747.1	1812.4	1963.4	2141.4	2210.0	2149.6	2064.5	1972.8	1882.7	1869.5
55°	1783.3	1775.1	1814.6	1958.5	2144.7	2204.0	2044.7	1860.2	1672.4	1565.8	1557.0
57.5°	1832.7	1823.9	1842.6	1922.3	1972.8	1832.7	1504.9	1207.2	1013.9	932.0	896.3
60°	1636.7	1630.6	1616.3	1520.2	1303.8	983.6	670.0	427.3	307.0	248.2	248.2
62.5°	1015.5	1007.3	929.8	690.9	502.0	290.5	159.8	100.0	75.8	70.8	70.3
65°	285.0	283.4	234.5	165.9	105.4	65.4	57.7	58.8	57.7	56.0	55.5
67.5°	42.8	47.2	47.2	38.4	36.8	41.2	48.3	51.6	48.9	46.1	45.0
70°	27.5	29.7	28.6	24.7	26.4	30.8	34.6	35.1	33.5	30.8	30.2
72.5°	19.2	21.4	17.6	15.9	16.5	18.1	19.8	19.8	19.2	18.1	17.0
75°	11.5	11.5	8.2	7.7	7.7	8.2	8.2	9.3	9.3	8.8	8.2
77.5°	3.8	4.4	2.7	2.2	2.2	2.2	2.7	3.3	3.3	2.7	2.2
80°	0.5	1.1	0.5	0.5	0.5	0.5	0.5	0.5	1.1	1.1	0.5
82.5°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
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)