

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: LUMARK

Report Number: P600761

Luminaire Tested: **ASWPLED2S-40W-4000K**

Issue Date: 7/7/2022

Test Information

Test Method: LM-79-08
Report Number: P600761
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (20210926)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/7/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: ASWPLED2S-40W-4000K
Description: SLIM WALL PACK, WATTAGE AND CCT SELECTABLE
Light Source: (312) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5902.3 lumens
Efficiency: N/A
Efficacy: 152.1 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 0.33' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

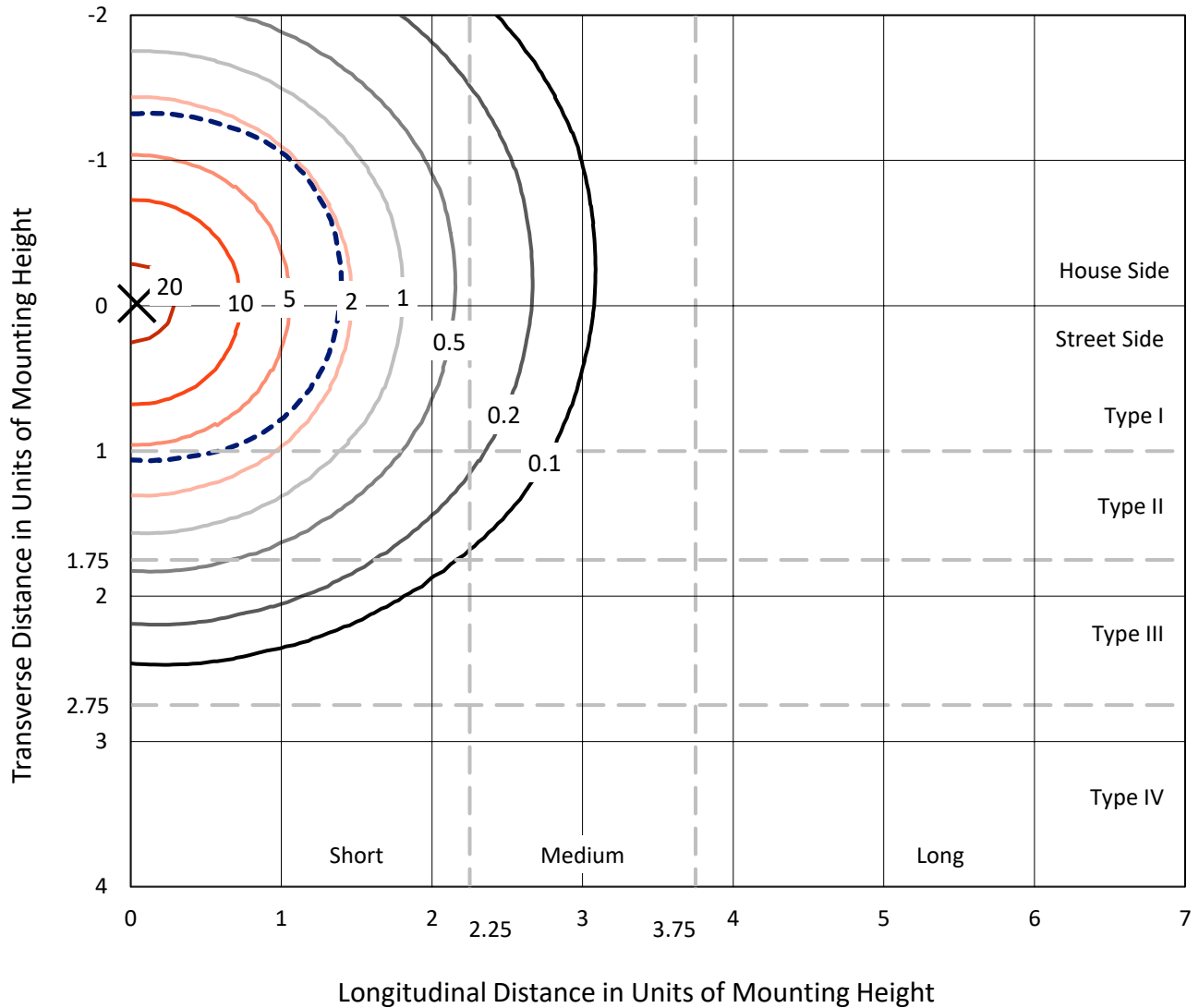
Input Watts (W): 38.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

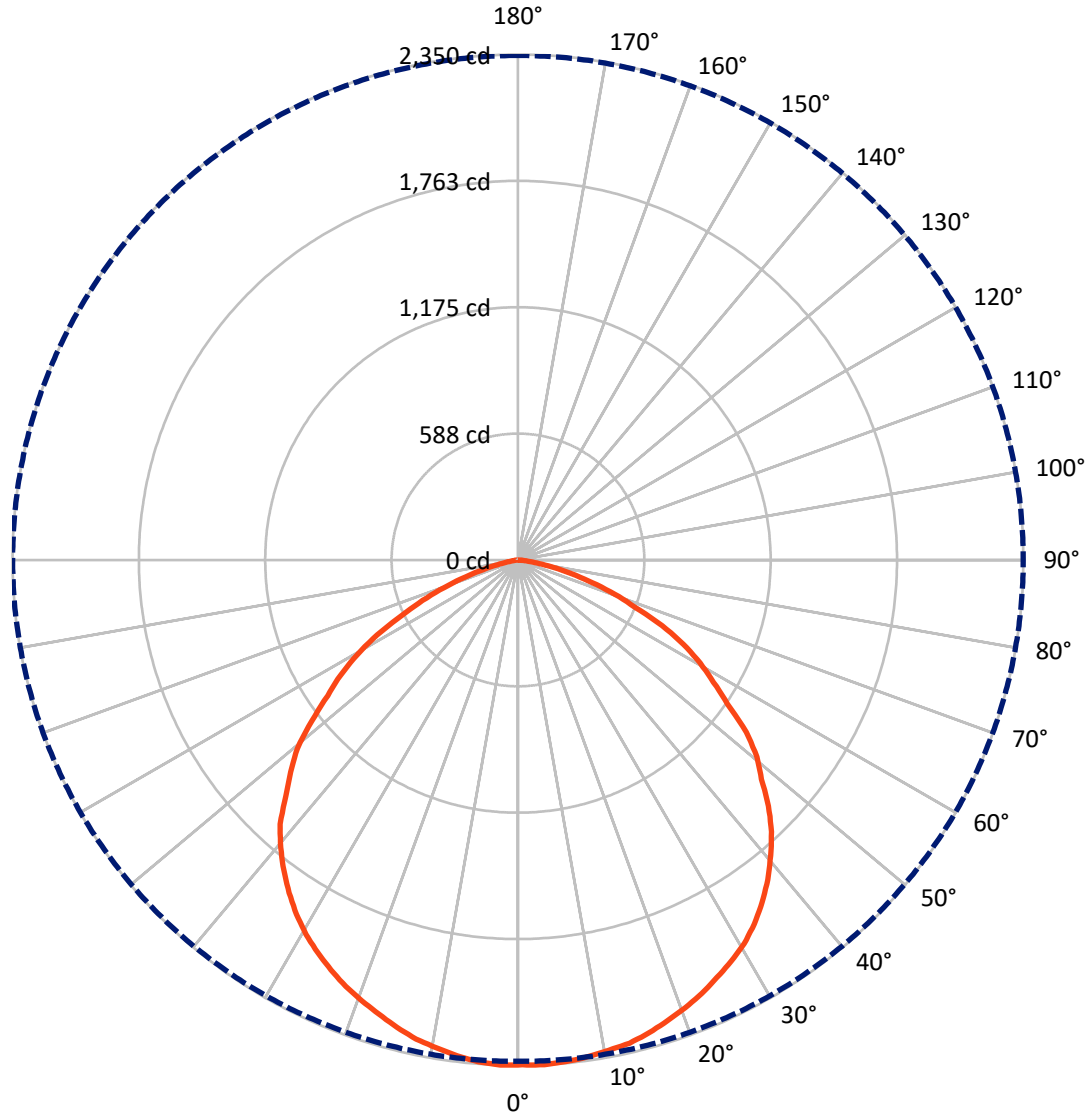
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 23.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 110-Deg Lateral - - - Horizontal Cone Through 2.5-Deg Vertical

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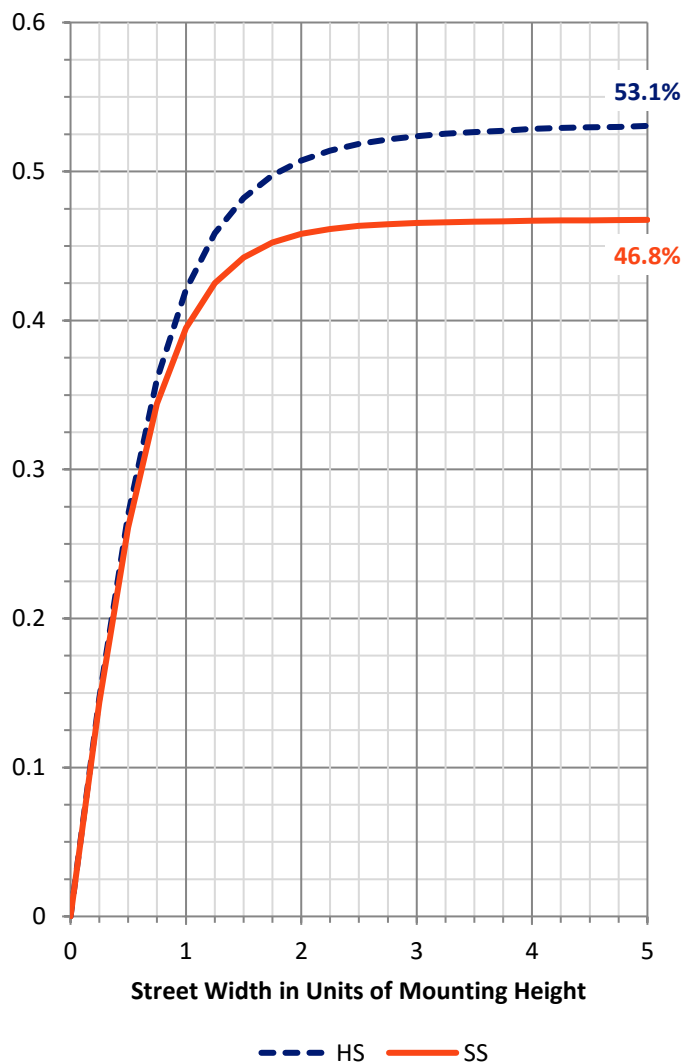
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3150.1	0.0	3150.1
	% Fixture	53.4	0.0	53.4
Street Side	Lumens	2752.1	0.0	2752.1
	% Fixture	46.6	0.0	46.6
Total	Lumens	5902.3	0.0	5902.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	221.8	3.8
10°-20°	635.0	10.8
20°-30°	970.4	16.4
30°-40°	1177.6	20.0
40°-50°	1171.8	19.9
50°-60°	944.1	16.0
60°-70°	566.8	9.6
70°-80°	191.6	3.2
80°-90°	23.2	0.4
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°	5902.3	100.0
0°-180°	5902.3	100.0

Coefficient of Utilization

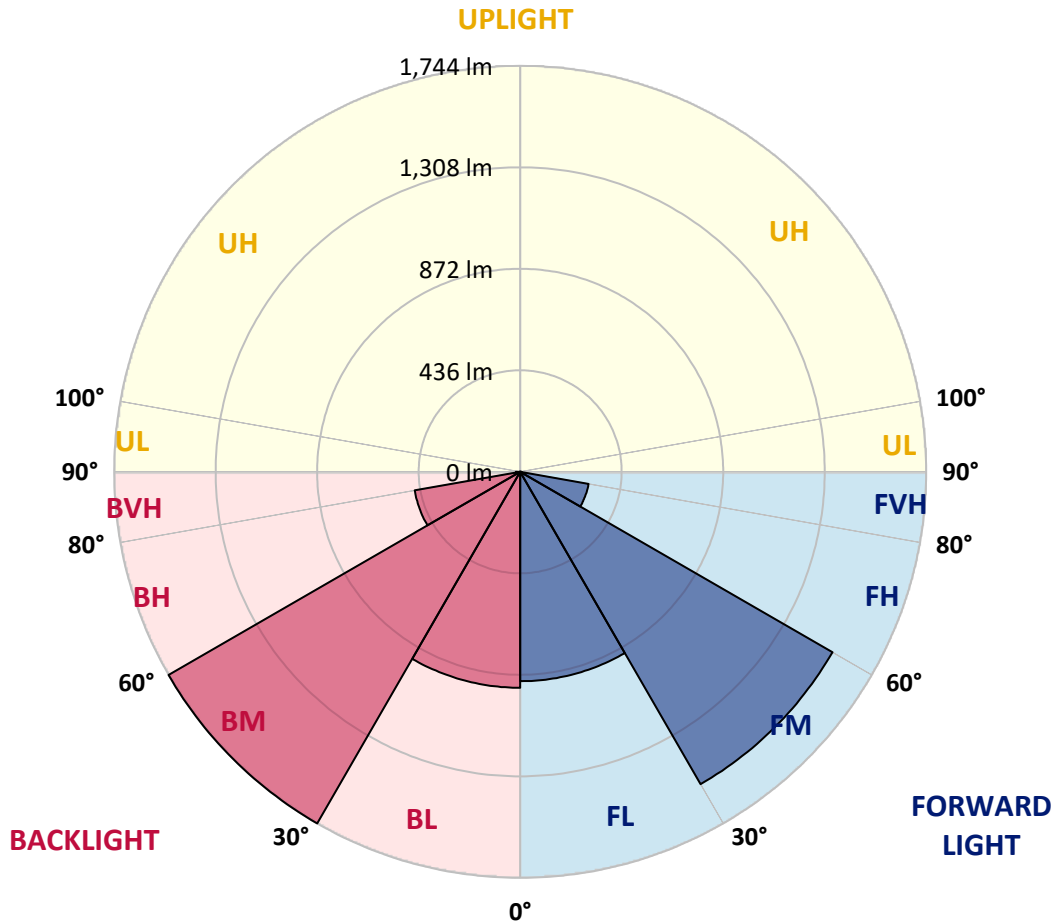


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	899.4	15.2			
FM (30°-60°)	1549.3	26.2			
FH (60°-80°)	298.2	5.1			G0/660
FVH (80°-90°)	5.2	0.1			G0/10
BL (0°-30°)	927.8	15.7	B2/1000		
BM (30°-60°)	1744.1	29.6	B2/2500		
BH (60°-80°)	460.2	7.8	B1/500		G0/660
BVH (80°-90°)	18.1	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2347.5	2347.5	2347.5	2347.5	2347.5	2347.5	2347.5	2347.5	2347.5	2347.5	2347.5
2.5°	2330.4	2333.5	2336.7	2340.3	2344.0	2346.6	2348.2	2349.3	2349.2	2349.2	2349.6
5°	2312.5	2315.5	2318.5	2323.4	2328.8	2333.3	2337.0	2340.2	2341.8	2343.4	2343.0
7.5°	2283.2	2286.0	2288.9	2295.1	2302.4	2309.5	2316.4	2322.5	2326.6	2330.8	2331.8
10°	2250.1	2252.5	2254.8	2262.1	2271.1	2280.6	2290.5	2299.5	2305.3	2311.1	2314.6
12.5°	2221.1	2223.1	2225.1	2232.1	2240.6	2251.6	2264.9	2276.8	2284.1	2291.5	2298.5
15°	2184.8	2187.8	2190.8	2199.8	2210.9	2222.2	2233.7	2244.6	2253.9	2263.2	2272.4
17.5°	2148.6	2150.7	2152.8	2162.5	2174.7	2186.1	2196.7	2208.2	2222.3	2236.4	2244.3
20°	2110.9	2113.5	2116.1	2126.1	2138.7	2150.4	2161.1	2173.8	2192.1	2210.4	2216.4
22.5°	2068.1	2072.1	2076.1	2085.6	2097.0	2109.5	2122.9	2137.8	2156.8	2175.9	2182.7
25°	2022.2	2026.3	2030.5	2039.3	2049.8	2062.6	2077.9	2094.4	2114.7	2135.0	2142.6
27.5°	1969.6	1976.0	1982.4	1992.0	2002.8	2016.1	2031.8	2049.2	2071.4	2093.7	2103.1
30°	1916.5	1923.5	1930.5	1940.9	1952.4	1966.1	1982.1	2000.1	2024.2	2048.2	2059.8
32.5°	1840.2	1853.8	1867.4	1881.3	1895.1	1909.8	1925.3	1942.9	1967.1	1991.3	2004.4
35°	1701.1	1736.3	1771.6	1799.2	1824.2	1844.3	1859.5	1877.3	1902.9	1928.5	1942.1
37.5°	1598.8	1617.4	1636.0	1683.8	1741.2	1776.9	1790.9	1808.1	1835.2	1862.3	1874.1
40°	1508.8	1522.3	1535.8	1590.3	1658.4	1700.0	1715.0	1733.5	1762.4	1791.2	1800.0
42.5°	1356.8	1397.1	1437.5	1495.4	1559.2	1603.6	1628.7	1652.2	1671.0	1689.8	1709.3
45°	1259.6	1277.6	1295.6	1350.6	1417.9	1469.6	1505.8	1538.6	1561.5	1584.3	1608.7
47.5°	1128.2	1162.2	1196.2	1250.1	1310.7	1362.4	1405.1	1444.6	1474.5	1504.5	1514.2
50°	1010.5	1040.3	1070.1	1133.0	1206.9	1265.8	1309.7	1349.2	1375.6	1402.0	1420.8
52.5°	877.4	910.9	944.4	999.3	1061.3	1118.9	1172.0	1216.1	1232.7	1249.3	1289.7
55°	763.6	785.6	807.7	863.1	929.6	988.8	1040.7	1086.2	1112.5	1138.9	1160.6
57.5°	623.7	656.5	689.3	739.4	795.4	857.8	926.4	983.8	1007.3	1030.7	1051.5
60°	499.0	530.3	561.7	607.4	657.9	722.6	801.5	867.3	893.6	919.9	946.8
62.5°	395.4	420.1	444.8	488.6	538.8	601.5	676.7	741.2	773.9	806.6	834.8
65°	291.9	315.1	338.4	380.5	428.9	482.4	540.9	593.7	629.5	665.3	700.9
67.5°	199.2	218.1	237.1	273.9	316.8	368.2	428.3	481.6	514.5	547.4	566.5
70°	115.9	132.3	148.8	179.3	214.4	259.7	315.2	365.1	398.4	431.6	454.7
72.5°	85.3	88.0	90.8	111.9	139.0	174.3	217.9	257.5	284.9	312.3	336.9
75°	57.1	60.7	64.2	72.6	82.6	104.0	136.9	167.0	188.4	209.8	234.5
77.5°	33.5	36.4	39.2	43.6	48.4	60.4	79.6	97.9	113.3	128.7	151.3
80°	16.0	18.2	20.4	23.9	27.7	32.9	39.5	46.8	55.8	64.8	82.1
82.5°	5.3	6.3	7.4	9.5	11.9	14.5	17.4	20.5	24.3	28.2	38.5
85°	1.3	1.7	2.1	2.7	3.3	4.6	6.6	8.3	9.2	10.1	15.1
87.5°	1.1	1.0	1.0	1.1	1.3	1.6	1.9	2.3	3.1	3.9	6.7
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):

	110°	120°	130°	140°	150°	160°	170°	180°
0°	2347.5	2347.5	2347.5	2347.5	2347.5	2347.5	2347.5	2347.5
2.5°	2350.0	2349.3	2348.2	2347.1	2346.1	2345.4	2345.6	2345.7
5°	2342.7	2343.6	2344.9	2345.9	2346.6	2347.2	2347.8	2348.3
7.5°	2332.8	2335.1	2337.7	2338.7	2338.0	2337.2	2336.2	2335.1
10°	2318.0	2320.4	2322.4	2322.2	2319.9	2318.1	2317.6	2317.2
12.5°	2305.5	2305.8	2304.0	2303.3	2303.6	2303.6	2302.7	2301.9
15°	2281.5	2283.6	2283.4	2283.4	2283.6	2283.1	2280.2	2277.3
17.5°	2252.2	2256.4	2259.3	2258.4	2253.6	2248.9	2244.8	2240.7
20°	2222.3	2227.5	2232.4	2229.7	2219.4	2210.5	2205.8	2201.1
22.5°	2189.6	2193.0	2195.1	2191.4	2181.8	2173.5	2169.5	2165.5
25°	2150.3	2150.8	2148.9	2145.8	2141.5	2136.8	2131.1	2125.4
27.5°	2112.6	2110.5	2104.5	2101.1	2100.3	2098.3	2092.3	2086.4
30°	2071.4	2068.8	2061.5	2057.4	2056.6	2055.2	2051.8	2048.4
32.5°	2017.6	2015.4	2008.1	2006.3	2009.9	2011.3	2006.0	2000.6
35°	1955.6	1955.7	1951.4	1951.5	1956.1	1958.2	1952.4	1946.7
37.5°	1886.0	1889.6	1890.5	1891.7	1893.2	1888.0	1862.7	1837.4
40°	1808.9	1815.2	1820.6	1813.5	1793.8	1771.3	1740.4	1709.6
42.5°	1728.7	1740.1	1748.8	1730.6	1685.5	1649.9	1642.9	1635.9
45°	1633.0	1651.7	1668.5	1655.0	1611.2	1573.9	1555.7	1537.6
47.5°	1524.0	1540.3	1558.7	1548.2	1508.7	1470.3	1435.7	1401.1
50°	1439.6	1440.9	1436.3	1413.7	1373.2	1340.4	1330.6	1320.8
52.5°	1330.2	1337.3	1333.3	1313.7	1278.4	1244.7	1215.7	1186.7
55°	1182.3	1198.4	1212.7	1195.7	1147.3	1106.1	1086.4	1066.7
57.5°	1072.4	1075.0	1071.5	1053.6	1021.4	991.7	969.6	947.5
60°	973.7	975.0	967.9	945.2	907.1	873.7	854.7	835.6
62.5°	863.0	851.1	826.0	803.0	782.1	760.1	734.7	709.3
65°	736.4	726.6	701.7	676.5	651.2	628.6	614.0	599.4
67.5°	585.6	581.5	569.6	553.9	534.4	515.5	498.1	480.8
70°	477.7	475.8	465.5	448.0	423.2	401.1	387.3	373.4
72.5°	361.5	361.2	352.6	338.2	318.1	299.1	283.7	268.2
75°	259.2	256.4	244.5	231.6	217.9	204.4	191.4	178.4
77.5°	173.9	172.8	163.7	151.7	136.7	123.5	115.7	108.0
80°	99.5	99.4	93.6	88.8	85.0	82.0	81.6	81.2
82.5°	48.9	51.4	51.3	52.4	54.9	56.6	55.9	55.2
85°	20.1	24.6	28.9	31.7	32.9	33.5	32.4	31.3
87.5°	9.5	11.7	13.6	14.8	15.4	15.7	15.4	15.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)