

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: STREETWORKS

Report Number: P177344

Luminaire Tested: **VAL-F03-LED-E-U-WQ-7050**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P177344  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33699)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: VAL-F03-LED-E-U-WQ-7050  
Description: VALET TUNNEL LED LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - WIDE TYPE V SQUARE  
Light Source: (21) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7857.8 lumens  
Efficiency: N/A  
Efficacy: 100.4 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')  
IES Classification: Type V - Short - Non-Cutoff  
BUG Rating: B3 - U0 - G3

Input Watts (W): 78.3  
Input Voltage (V): NR  
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: 28.75 FT

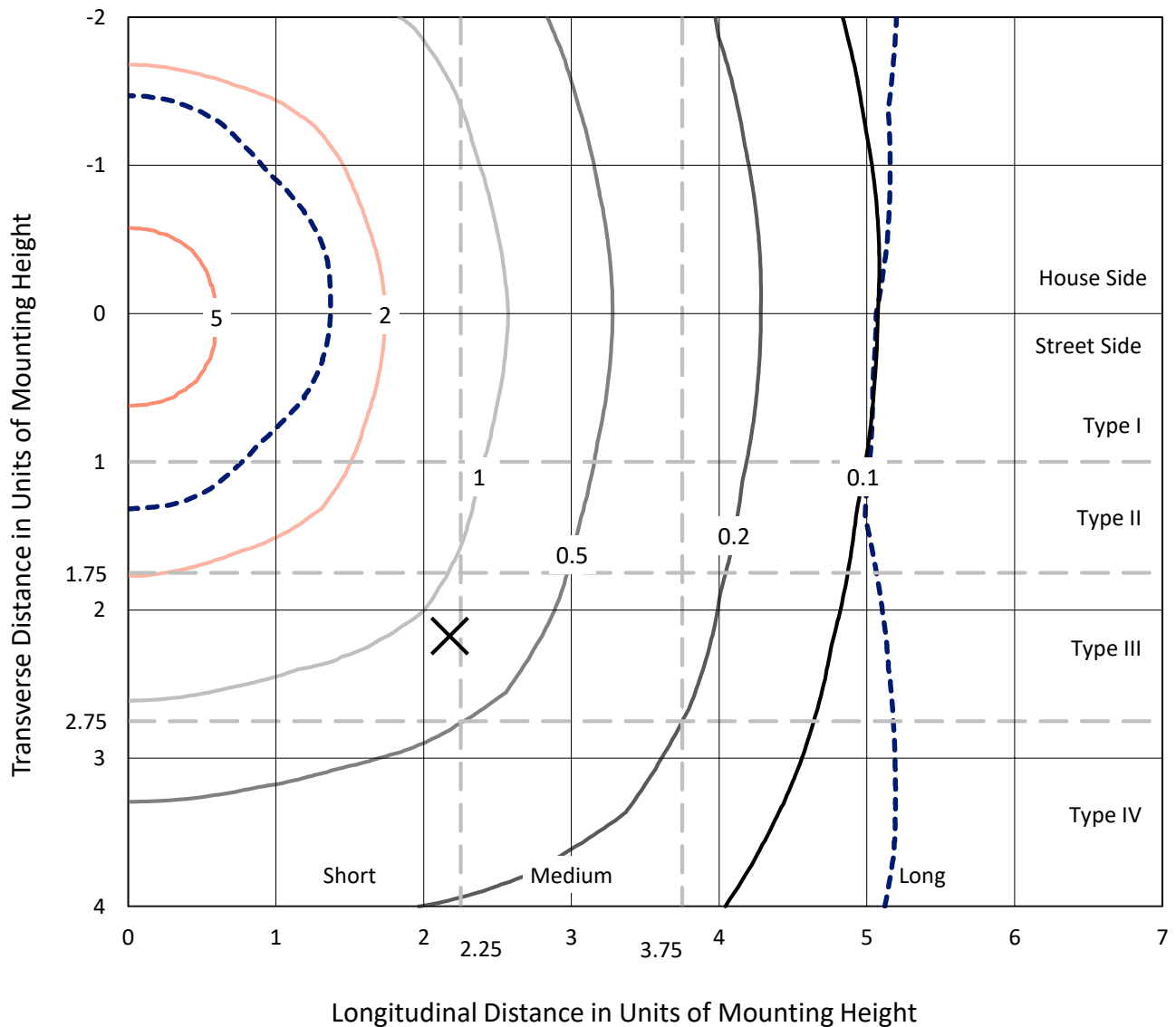


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

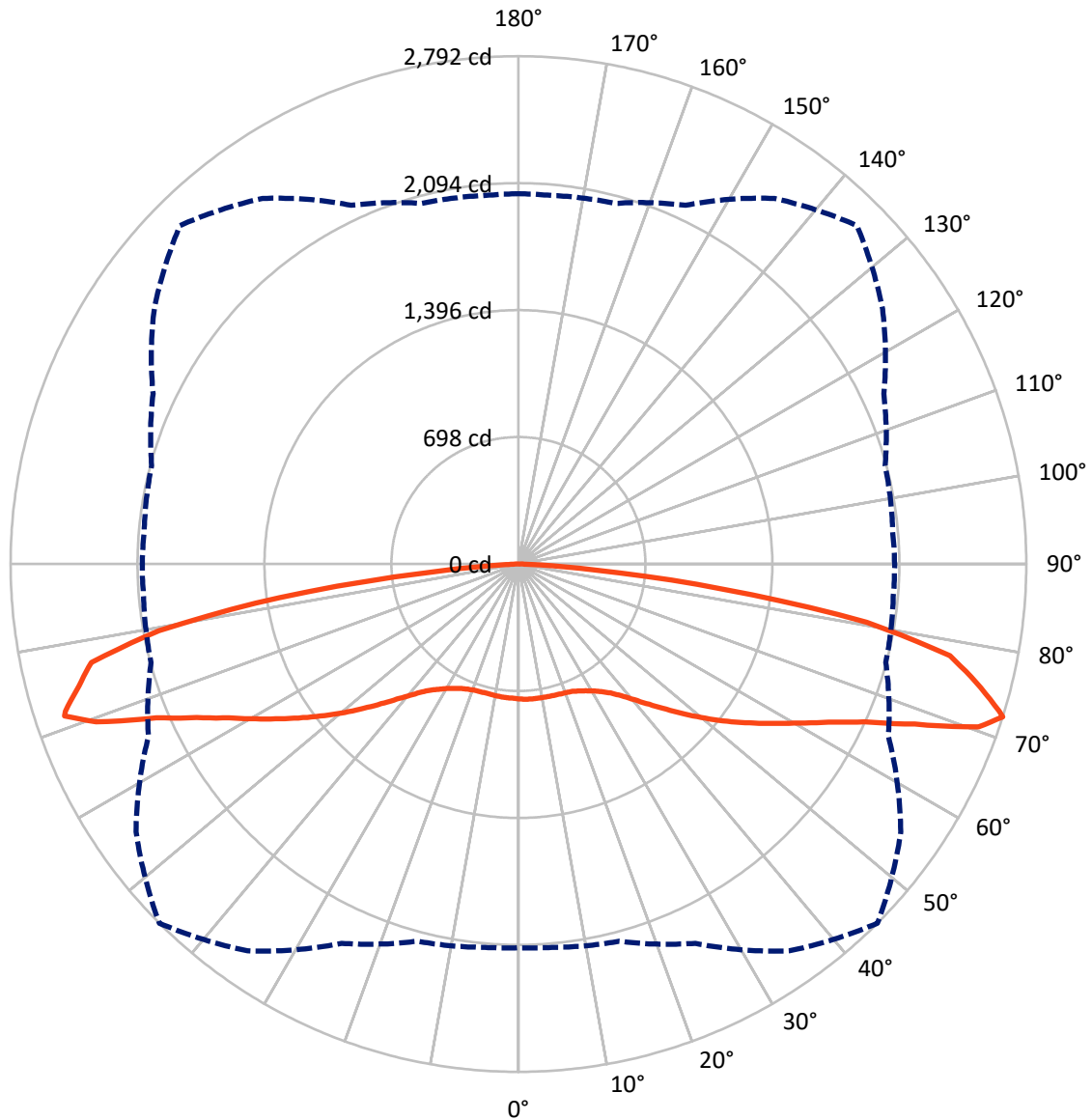


Based on 10 foot mounting height. Maximum calculated value = 7.4 fc  
 Type V - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 72-Deg Vertical

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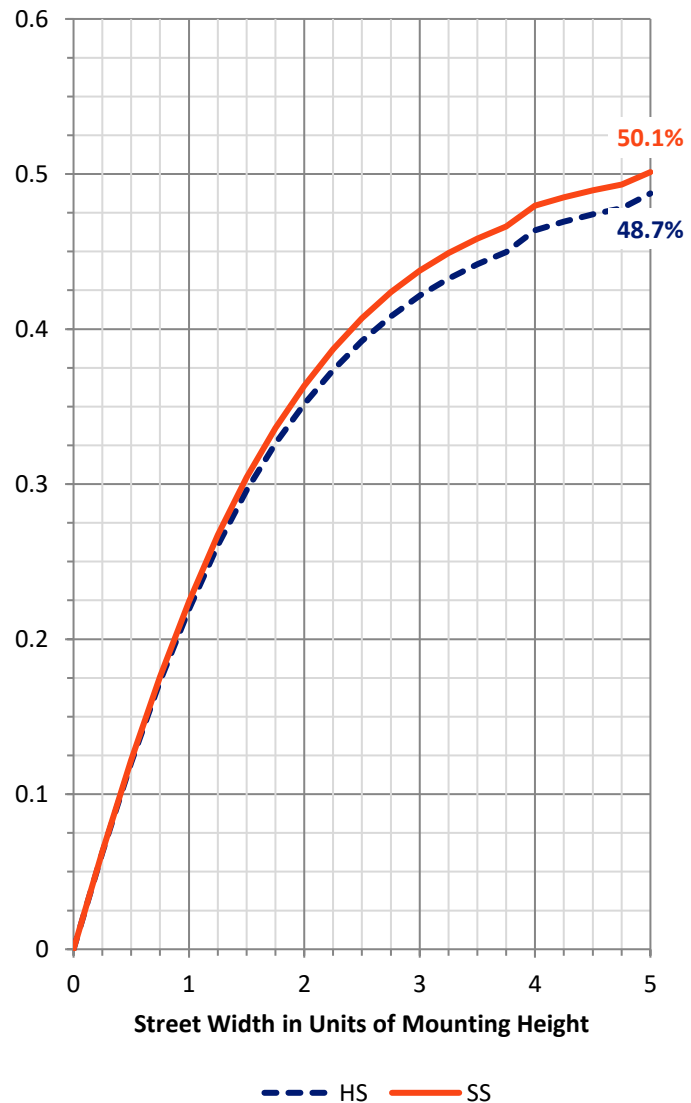
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3875.0	0.0	3875.0
	% Fixture	49.3	0.0	49.3
<b>Street Side</b>	Lumens	3982.7	0.0	3982.7
	% Fixture	50.7	0.0	50.7
<b>Total</b>	Lumens	7857.8	0.0	7857.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	70.8	0.9
10°-20°	210.4	2.7
20°-30°	353.4	4.5
30°-40°	537.9	6.8
40°-50°	850.3	10.8
50°-60°	1298.7	16.5
60°-70°	1902.6	24.2
70°-80°	2161.5	27.5
80°-90°	472.1	6.0
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°	7857.8	100.0
0°-180°	7857.8	100.0



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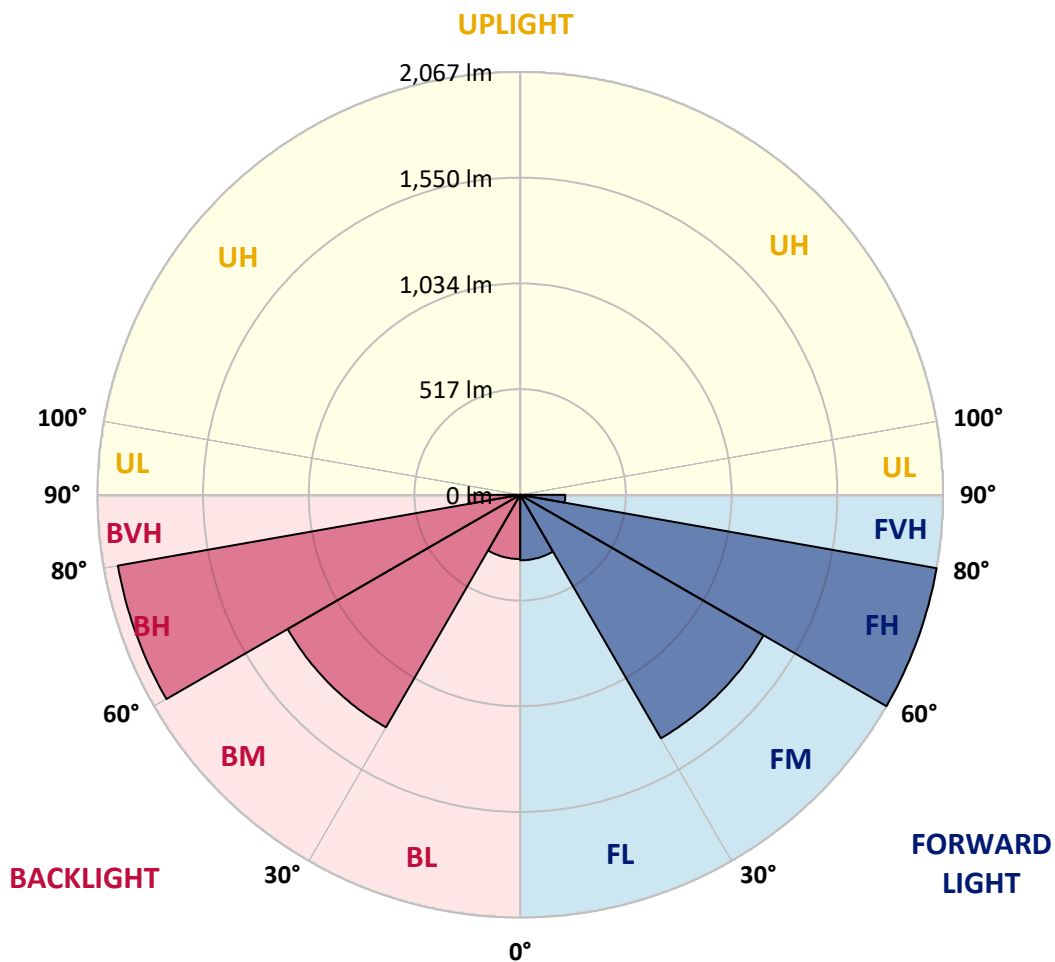
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	320.4	4.1			
FM (30°-60°)	1374.3	17.5			
FH (60°-80°)	2067.1	26.3			G2/5000
FVH (80°-90°)	220.8	2.8			G2/225
BL (0°-30°)	314.2	4.0	B1/500		
BM (30°-60°)	1312.6	16.7	B2/2500		
BH (60°-80°)	1997.0	25.4	B3/2500		G2/5000
BVH (80°-90°)	251.3	3.2			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	742.0	742.0	742.0	742.0	742.0	742.0	742.0	742.0	742.0	742.0	742.0
2.5°	748.1	748.1	746.1	745.1	745.1	744.6	744.1	744.1	743.6	744.1	742.5
5°	749.2	749.2	747.1	746.1	745.6	745.1	745.1	744.1	743.6	744.1	742.5
7.5°	749.2	749.7	748.6	747.6	746.1	745.6	745.1	743.6	743.6	742.5	742.0
10°	751.2	752.7	750.7	749.2	747.1	746.1	744.6	743.6	743.1	742.0	742.0
12.5°	752.7	754.2	752.2	750.7	748.6	747.1	745.1	743.6	742.5	741.0	741.5
15°	754.7	756.3	754.2	752.2	750.2	748.1	746.1	744.1	742.5	741.5	741.5
17.5°	755.8	757.3	755.3	753.2	751.7	750.7	748.1	745.1	743.1	742.0	742.0
20°	757.3	758.8	757.3	756.3	754.7	754.2	751.7	748.1	745.6	744.1	743.6
22.5°	760.8	761.9	761.4	761.4	761.4	760.8	758.8	753.2	750.2	747.6	747.1
25°	769.5	769.0	770.0	771.0	771.5	772.5	769.5	763.4	759.3	755.3	754.7
27.5°	783.7	784.2	784.7	786.8	788.8	789.3	786.3	779.6	773.5	768.0	767.5
30°	800.0	800.0	802.0	806.1	808.1	809.6	806.6	798.5	790.8	785.2	784.2
32.5°	823.4	825.4	826.4	831.0	835.0	836.6	832.0	823.4	814.7	807.6	806.1
35°	856.9	860.0	861.0	865.0	869.6	870.1	866.1	856.4	847.2	837.6	838.1
37.5°	904.2	904.7	907.2	908.2	916.9	916.9	910.3	901.6	892.5	883.8	881.3
40°	967.2	967.7	968.7	967.2	977.4	980.4	971.8	958.6	949.9	938.7	937.2
42.5°	1035.8	1040.9	1040.4	1037.8	1048.0	1054.6	1043.9	1028.7	1019.5	1007.9	1005.8
45°	1120.7	1119.7	1115.1	1120.7	1132.4	1139.5	1126.3	1107.0	1097.3	1082.6	1082.1
47.5°	1203.0	1202.0	1194.9	1199.0	1220.8	1232.5	1213.2	1191.3	1178.6	1170.0	1163.4
50°	1281.3	1288.4	1279.3	1287.9	1316.4	1332.1	1314.3	1279.8	1264.5	1251.3	1247.7
52.5°	1373.3	1377.3	1369.2	1382.9	1414.4	1437.3	1412.9	1368.2	1352.9	1338.2	1333.6
55°	1467.3	1465.3	1461.2	1476.5	1515.1	1542.0	1515.6	1461.7	1439.4	1428.2	1428.2
57.5°	1559.8	1560.8	1551.2	1569.5	1618.3	1653.8	1620.8	1554.7	1527.3	1514.6	1518.6
60°	1658.9	1658.9	1644.2	1660.9	1729.1	1774.3	1724.5	1648.7	1618.8	1611.1	1611.6
62.5°	1770.2	1766.2	1749.9	1770.7	1853.6	1913.5	1851.0	1756.5	1717.4	1717.4	1720.9
65°	1898.8	1892.2	1886.6	1910.5	2017.7	2090.9	2008.6	1889.1	1854.6	1850.5	1857.1
67.5°	2083.8	2090.9	2076.7	2108.2	2254.6	2350.1	2225.1	2071.1	2034.5	2030.9	2047.2
70°	2250.5	2243.4	2261.7	2350.6	2549.9	2683.0	2509.2	2272.4	2167.7	2146.3	2152.9
72°	2110.2	2115.8	2146.8	2301.3	2596.6	2792.3	2566.6	2244.4	2090.9	2068.6	2068.1
72.5°	2077.7	2081.8	2108.2	2256.6	2563.1	2763.3	2537.7	2208.8	2064.0	2044.7	2043.7
75°	1906.9	1915.1	1956.7	2101.1	2412.1	2600.7	2388.8	2081.3	1922.2	1885.6	1893.2
77.5°	1624.4	1641.1	1683.3	1849.5	2214.4	2425.3	2198.7	1844.9	1666.5	1639.6	1631.0
80°	1191.8	1169.5	1245.7	1393.1	1652.8	1943.0	1676.7	1390.1	1205.0	1155.7	1167.9
82.5°	405.6	415.2	535.7	715.1	907.2	1134.4	963.1	696.3	512.8	450.8	423.4
85°	49.3	53.4	83.4	152.0	285.6	412.7	291.7	154.5	96.1	59.0	51.8
87.5°	23.9	25.4	35.6	38.1	47.3	40.2	47.8	30.5	29.0	17.8	14.7
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):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	742.0	742.0	742.0	742.0	742.0	742.0	742.0	742.0	742.0	742.0
2.5°	742.0	741.0	740.5	739.5	738.5	738.5	738.5	738.5	738.5	739.0
5°	742.0	741.0	740.5	739.0	738.0	738.0	737.5	738.0	737.5	738.0
7.5°	742.0	740.5	739.0	737.5	736.4	737.0	735.9	735.4	735.9	735.9
10°	741.5	739.0	737.0	735.4	734.9	734.4	734.4	733.9	734.9	734.4
12.5°	741.0	738.0	735.4	733.4	732.9	732.9	732.9	732.9	734.4	733.9
15°	740.5	737.5	734.9	732.4	731.9	732.9	732.9	733.9	734.9	734.9
17.5°	741.0	737.5	734.4	732.4	732.4	733.4	733.9	735.4	737.0	735.9
20°	743.1	739.0	736.4	734.4	735.4	736.4	736.4	737.5	739.0	738.0
22.5°	746.1	743.1	741.0	740.5	742.0	742.5	742.0	741.5	742.0	741.0
25°	753.2	750.2	748.6	750.7	752.2	751.7	749.7	747.6	746.6	746.1
27.5°	766.4	763.9	763.4	765.9	767.5	764.9	761.4	758.3	757.3	755.8
30°	782.7	781.2	782.7	785.2	785.7	781.7	776.6	772.0	770.5	770.5
32.5°	804.0	802.5	806.1	810.1	811.2	805.6	797.4	791.3	787.3	786.8
35°	835.0	834.0	835.0	840.1	839.6	834.0	824.9	817.8	813.7	813.7
37.5°	878.2	877.2	874.7	879.8	879.3	871.6	862.0	855.9	851.3	851.8
40°	934.7	933.1	930.1	931.1	935.2	925.0	912.8	904.7	904.2	904.2
42.5°	1002.3	995.1	996.2	1002.3	999.2	987.0	975.8	968.7	968.7	968.2
45°	1076.0	1073.4	1072.4	1074.4	1077.0	1067.3	1048.5	1040.4	1039.9	1039.9
47.5°	1161.3	1148.6	1151.2	1156.3	1162.4	1150.2	1126.3	1116.6	1115.1	1115.6
50°	1244.7	1231.5	1234.0	1244.7	1256.4	1237.1	1207.6	1195.9	1193.9	1194.9
52.5°	1331.1	1319.9	1319.9	1337.7	1352.9	1329.1	1292.0	1277.7	1277.7	1277.2
55°	1422.6	1407.3	1413.4	1436.3	1454.6	1425.6	1379.9	1368.7	1360.1	1363.6
57.5°	1513.6	1498.3	1503.4	1538.5	1561.3	1526.8	1469.3	1446.0	1440.9	1439.9
60°	1606.6	1589.3	1595.4	1650.3	1677.2	1631.5	1547.1	1518.6	1514.1	1513.6
62.5°	1709.7	1697.5	1706.7	1770.2	1801.2	1736.2	1629.9	1597.4	1598.9	1595.4
65°	1838.3	1828.7	1844.4	1922.2	1960.3	1864.8	1737.2	1699.6	1704.1	1703.6
67.5°	2022.3	2010.6	2020.3	2129.0	2163.1	2040.6	1886.1	1849.0	1856.1	1867.8
70°	2137.7	2146.3	2233.2	2385.7	2479.2	2354.2	2149.9	2080.2	2083.8	2085.3
72°	2065.5	2087.4	2216.5	2444.2	2631.7	2453.8	2175.8	2052.3	2034.0	2036.0
72.5°	2046.2	2063.0	2192.6	2419.8	2619.0	2432.5	2147.8	2030.9	2001.5	2002.5
75°	1900.8	1932.9	2057.4	2293.7	2507.2	2325.2	2040.1	1915.6	1892.7	1892.7
77.5°	1650.3	1695.0	1822.6	2154.5	2410.6	2212.4	1903.4	1749.4	1726.0	1717.4
80°	1214.2	1279.8	1405.3	1733.1	2009.6	1828.7	1566.9	1408.3	1371.8	1358.5
82.5°	478.3	534.7	745.6	1043.9	1324.5	1127.3	852.3	711.0	597.7	585.5
85°	59.5	96.1	188.1	344.1	526.0	374.1	223.1	116.9	63.0	52.9
87.5°	17.3	32.5	35.6	57.9	68.6	63.0	39.6	35.6	19.8	17.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)