

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: P636350

Luminaire Tested: GWS-SA3F-750-U-T2R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636350
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-11)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-750-U-T2R-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25503.1 lumens
Efficiency: N/A
Efficacy: 139.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

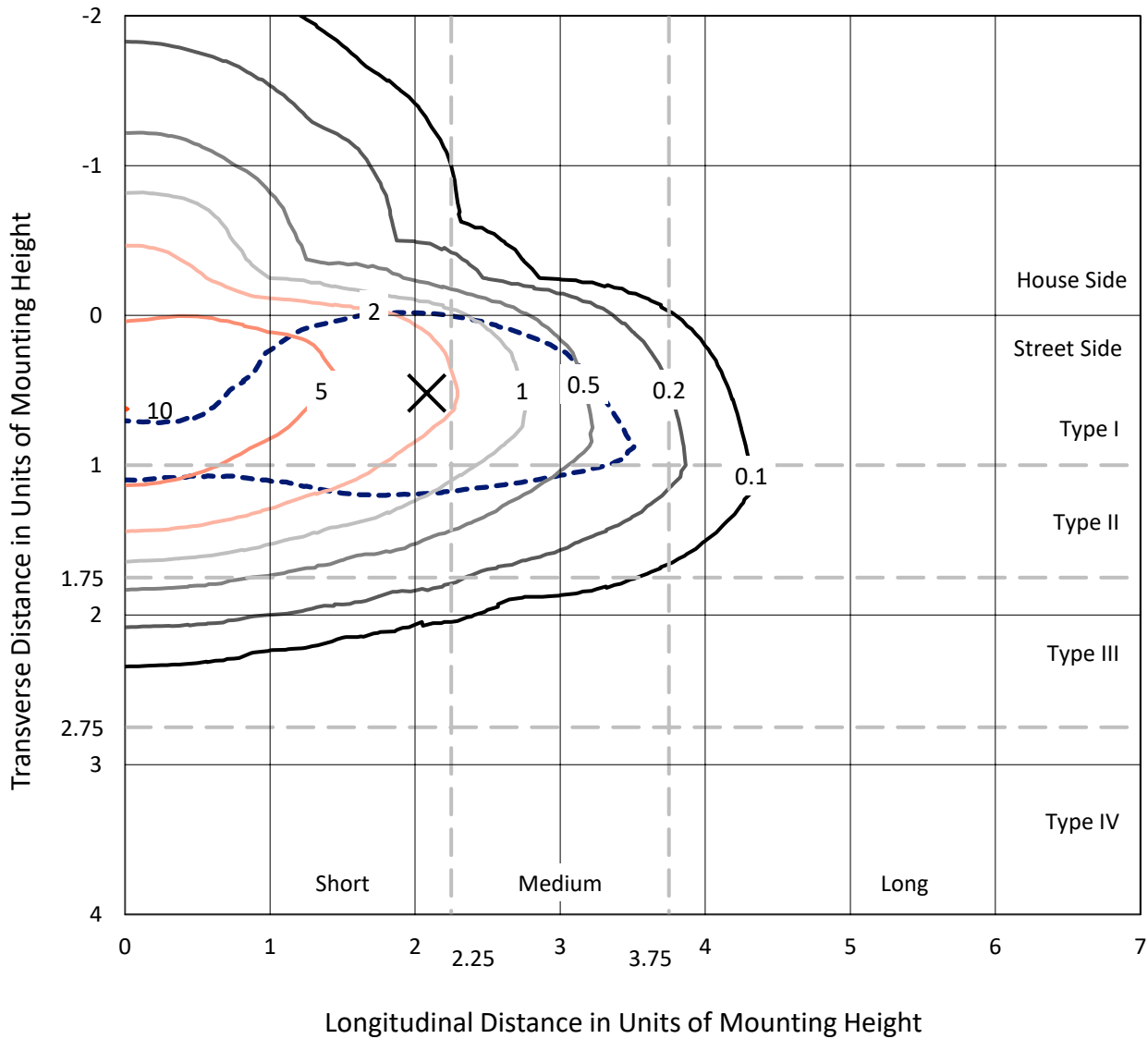
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

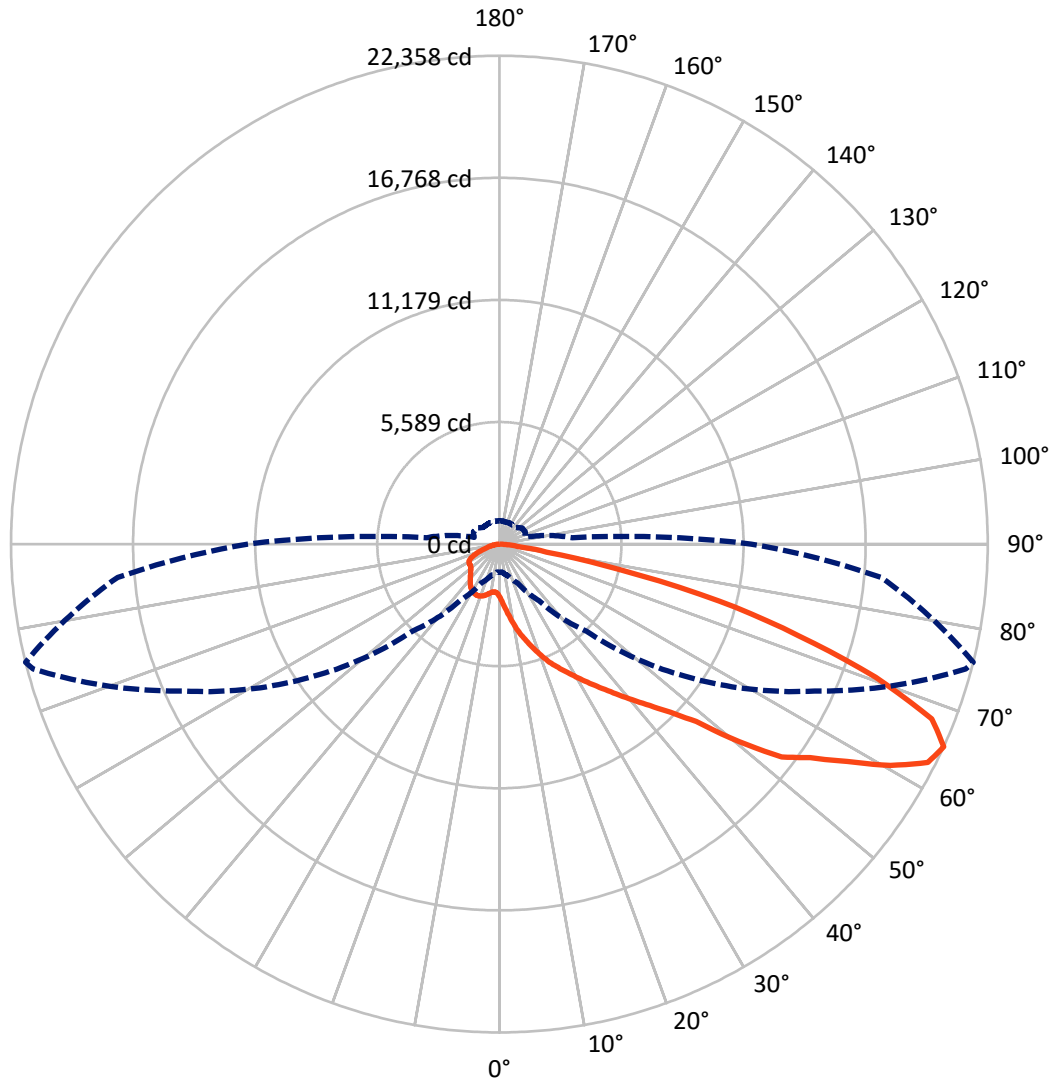
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4262.9	0.0	4262.9
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	21240.2	0.0	21240.2
	% Fixture	83.3	0.0	83.3
Total	Lumens	25503.1	0.0	25503.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	286.9	1.1
10°-20°	1092.9	4.3
20°-30°	2129.8	8.4
30°-40°	3562.0	14.0
40°-50°	5100.1	20.0
50°-60°	6037.8	23.7
60°-70°	5020.4	19.7
70°-80°	2054.5	8.1
80°-90°	218.7	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°	25503.1	100.0
0°-180°	25503.1	100.0

Coefficient of Utilization



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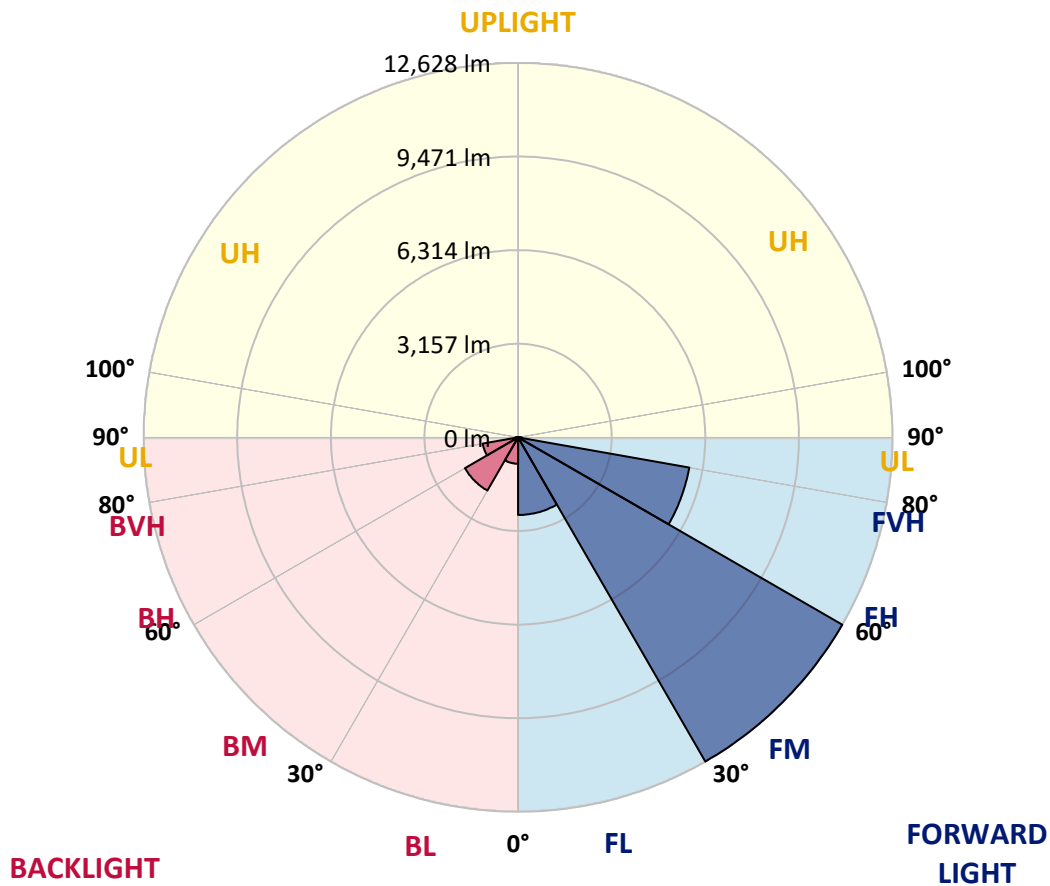
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2617.8	10.3			
FM (30°-60°)	12628.2	49.5			
FH (60°-80°)	5863.8	23.0			G3/7500
FVH (80°-90°)	130.5	0.5			G2/225
BL (0°-30°)	891.8	3.5	B2/1000		
BM (30°-60°)	2071.7	8.1	B2/2500		
BH (60°-80°)	1211.1	4.7	B3/2500		G3/2500
BVH (80°-90°)	88.3	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	2415.0	2415.0	2415.0	2415.0	2415.0	2415.0	2415.0	2415.0	2415.0	2415.0	2415.0
2.5°	3385.0	3397.6	3356.3	3342.0	3245.2	3114.3	3004.9	2840.0	2687.6	2664.3	2528.0
5°	4299.4	4245.6	4199.0	4168.5	4034.0	3885.2	3653.9	3343.8	3019.3	2979.8	2685.8
7.5°	4842.6	4833.7	4776.3	4758.4	4654.4	4505.6	4267.1	3881.6	3410.1	3345.6	2899.1
10°	5278.3	5272.9	5244.3	5260.4	5165.4	5020.1	4788.9	4390.8	3838.6	3774.1	3137.6
12.5°	5658.4	5667.4	5662.0	5721.2	5672.8	5559.8	5319.6	4882.1	4267.1	4197.2	3428.0
15°	5936.3	5943.5	5970.4	6099.5	6126.4	6103.1	5859.2	5364.4	4690.3	4589.8	3727.5
17.5°	6015.2	6029.6	6094.1	6302.1	6447.3	6544.1	6363.0	5855.6	5106.2	4996.8	4032.3
20°	6121.0	6137.1	6201.7	6418.6	6632.0	6852.5	6820.2	6354.1	5525.7	5436.1	4340.6
22.5°	6610.5	6597.9	6569.2	6673.2	6825.6	7099.9	7180.6	6832.8	5959.6	5873.6	4681.3
25°	7553.5	7530.2	7347.3	7252.3	7202.1	7368.9	7512.3	7268.5	6382.8	6253.7	4998.6
27.5°	8593.4	8580.9	8347.8	8121.9	7813.5	7741.8	7826.1	7648.6	6793.3	6662.5	5274.7
30°	9577.7	9540.1	9296.2	9013.0	8600.6	8292.2	8168.5	8021.5	7243.4	7107.1	5597.5
32.5°	10458.0	10409.6	10122.8	9809.0	9376.9	9013.0	8643.6	8417.7	7752.5	7594.8	5927.4
35°	11180.6	11132.2	10838.1	10504.7	10029.5	9760.6	9255.0	8848.0	8270.7	8111.1	6316.4
37.5°	11740.0	11695.1	11388.6	11060.5	10646.3	10432.9	9993.7	9332.1	8867.7	8701.0	6728.8
40°	12053.7	12021.5	11775.8	11515.9	11168.0	10983.4	10786.1	9943.5	9536.5	9369.7	7214.7
42.5°	12148.8	12127.2	11955.1	11820.7	11585.8	11445.9	11558.9	10662.4	10250.1	10104.8	7761.5
45°	11910.3	11910.3	11860.1	11928.2	11939.0	11937.2	12333.4	11474.6	11126.8	10967.2	8532.5
47.5°	11300.7	11340.2	11413.7	11748.9	12102.1	12398.0	13238.8	12557.5	12254.5	12123.7	9624.3
50°	10185.5	10293.1	10544.1	11198.5	11949.7	12702.8	14095.9	14158.6	14447.3	14216.0	11230.8
52.5°	8552.2	8536.0	9176.1	10108.4	11254.1	12715.3	14567.4	15571.4	16347.8	16188.2	12424.9
55°	6796.9	6770.0	7367.1	8652.6	10187.3	12234.8	14850.7	16218.7	17402.0	17258.5	13498.8
57.5°	5204.8	5170.8	5701.5	6861.5	8681.3	11214.6	14796.9	16989.6	18852.4	18778.9	14958.2
60°	3582.2	3541.0	4037.6	5052.4	6899.1	9654.8	14201.6	17385.8	20550.3	20575.4	16519.9
62.5°	2151.5	2128.2	2488.6	3275.6	4962.8	7722.1	12808.5	17145.6	21902.2	22015.1	17523.9
65°	1298.1	1281.9	1493.5	1954.3	3148.3	5635.1	10660.6	15917.5	22097.6	22357.6	17547.2
67.5°	944.9	946.7	1007.6	1190.5	1835.9	3639.6	8000.0	13715.8	21079.2	21348.2	16441.0
70°	821.2	824.7	857.0	898.2	1109.8	2083.4	5201.2	10827.4	18068.9	18276.9	13789.3
72.5°	729.7	729.7	751.2	772.7	867.8	1269.4	2786.2	7567.9	14260.8	14316.4	10524.4
75°	641.9	636.5	647.2	658.0	753.0	887.5	1355.4	5272.9	10533.3	10404.3	6802.3
77.5°	511.0	505.6	507.4	518.2	604.2	634.7	686.7	3293.6	5936.3	5602.8	3004.9
80°	364.0	360.4	380.1	407.0	446.4	389.1	430.3	1593.9	2354.1	2190.9	1165.4
82.5°	216.9	224.1	254.6	276.1	308.4	243.8	277.9	532.5	833.7	812.2	473.3
85°	30.5	32.3	91.4	105.8	132.7	95.0	147.0	240.2	333.5	356.8	166.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	12.6	43.0	95.0	96.8	41.2
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°	2415.0	2415.0	2415.0	2415.0	2415.0	2415.0	2415.0	2415.0	2415.0	2415.0	2415.0
2.5°	2458.1	2373.8	2253.7	2153.3	2069.0	2000.9	1943.5	1900.5	1887.9	1870.0	1870.0
5°	2547.7	2395.3	2180.2	2027.8	1939.9	1887.9	1852.1	1834.1	1825.2	1814.4	1809.0
7.5°	2671.4	2458.1	2167.6	2013.4	1945.3	1913.0	1889.7	1879.0	1871.8	1861.0	1861.0
10°	2841.8	2551.3	2207.1	2063.6	2009.9	1977.6	1950.7	1932.8	1916.6	1900.5	1896.9
12.5°	3026.4	2673.2	2278.8	2131.8	2074.4	2035.0	1997.3	1970.4	1950.7	1931.0	1925.6
15°	3230.8	2798.7	2355.9	2198.1	2126.4	2072.6	2027.8	1986.5	1959.7	1931.0	1927.4
17.5°	3431.6	2926.0	2420.4	2242.9	2151.5	2085.2	2020.6	1966.8	1932.8	1900.5	1891.5
20°	3671.9	3053.3	2465.3	2255.5	2146.1	2058.3	1981.2	1913.0	1875.4	1837.7	1832.4
22.5°	3892.4	3171.7	2486.8	2237.6	2104.9	2000.9	1911.2	1837.7	1796.5	1758.8	1751.7
25°	4105.8	3275.6	2477.8	2194.5	2042.1	1922.0	1828.8	1755.3	1715.8	1676.4	1665.6
27.5°	4311.9	3345.6	2441.9	2128.2	1963.2	1834.1	1744.5	1678.2	1644.1	1610.0	1595.7
30°	4514.5	3410.1	2386.4	2042.1	1862.8	1742.7	1669.2	1622.6	1588.5	1552.7	1541.9
32.5°	4718.9	3456.7	2302.1	1941.7	1760.6	1662.0	1617.2	1583.1	1547.3	1511.4	1500.7
35°	4925.1	3476.5	2199.9	1827.0	1674.6	1610.0	1593.9	1554.5	1506.0	1463.0	1448.7
37.5°	5170.8	3494.4	2072.6	1714.0	1599.3	1584.9	1581.3	1522.2	1464.8	1405.6	1389.5
40°	5466.6	3517.7	1941.7	1611.8	1538.3	1576.0	1561.6	1480.9	1366.2	1308.8	1290.9
42.5°	5828.7	3560.7	1805.5	1518.6	1493.5	1541.9	1525.8	1380.5	1303.4	1271.2	1262.2
45°	6361.2	3718.5	1669.2	1445.1	1459.4	1493.5	1468.4	1321.4	1290.9	1269.4	1258.6
47.5°	7309.7	3960.5	1550.9	1389.5	1432.5	1450.5	1353.6	1305.2	1281.9	1253.2	1240.7
50°	8295.8	4066.3	1455.8	1355.4	1402.1	1411.0	1290.9	1283.7	1267.6	1237.1	1224.6
52.5°	8962.8	4052.0	1398.5	1342.9	1377.0	1342.9	1262.2	1260.4	1249.7	1213.8	1199.5
55°	9715.8	4077.1	1373.4	1346.5	1366.2	1228.1	1226.4	1231.7	1226.4	1186.9	1179.7
57.5°	10732.4	4154.2	1360.8	1359.0	1359.0	1172.6	1192.3	1199.5	1188.7	1170.8	1165.4
60°	11709.5	4159.6	1337.5	1373.4	1353.6	1138.5	1152.8	1160.0	1147.5	1143.9	1142.1
62.5°	12077.0	3901.4	1285.5	1362.6	1332.1	1100.8	1111.6	1115.2	1102.6	1111.6	1109.8
65°	11530.2	3352.7	1199.5	1310.6	1265.8	1066.8	1059.6	1068.6	1047.1	1070.4	1072.2
67.5°	10237.5	2664.3	1068.6	1212.0	1172.6	1029.1	1014.8	1014.8	978.9	1014.8	1013.0
70°	8254.6	1882.6	876.7	1054.2	1070.4	984.3	977.1	935.9	878.5	932.3	926.9
72.5°	6257.3	1351.9	690.3	833.7	921.6	921.6	923.3	853.4	787.1	812.2	790.7
75°	3964.1	952.0	552.2	638.3	722.5	808.6	849.8	720.7	661.6	650.8	640.1
77.5°	1785.7	625.7	430.3	489.5	512.8	638.3	776.3	620.3	539.7	516.4	509.2
80°	747.6	389.1	306.6	346.0	315.6	536.1	684.9	482.3	396.2	364.0	340.7
82.5°	328.1	231.3	195.4	186.5	197.2	398.0	511.0	320.9	247.4	335.3	338.9
85°	138.1	121.9	100.4	91.4	80.7	152.4	240.2	125.5	154.2	87.9	71.7
87.5°	32.3	35.9	26.9	17.9	10.8	1.8	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)