

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: P635851

Luminaire Tested: GWS-SA3E-750-U-T2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635851
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-19)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-750-U-T2-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22318.9 lumens
Efficiency: N/A
Efficacy: 140.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

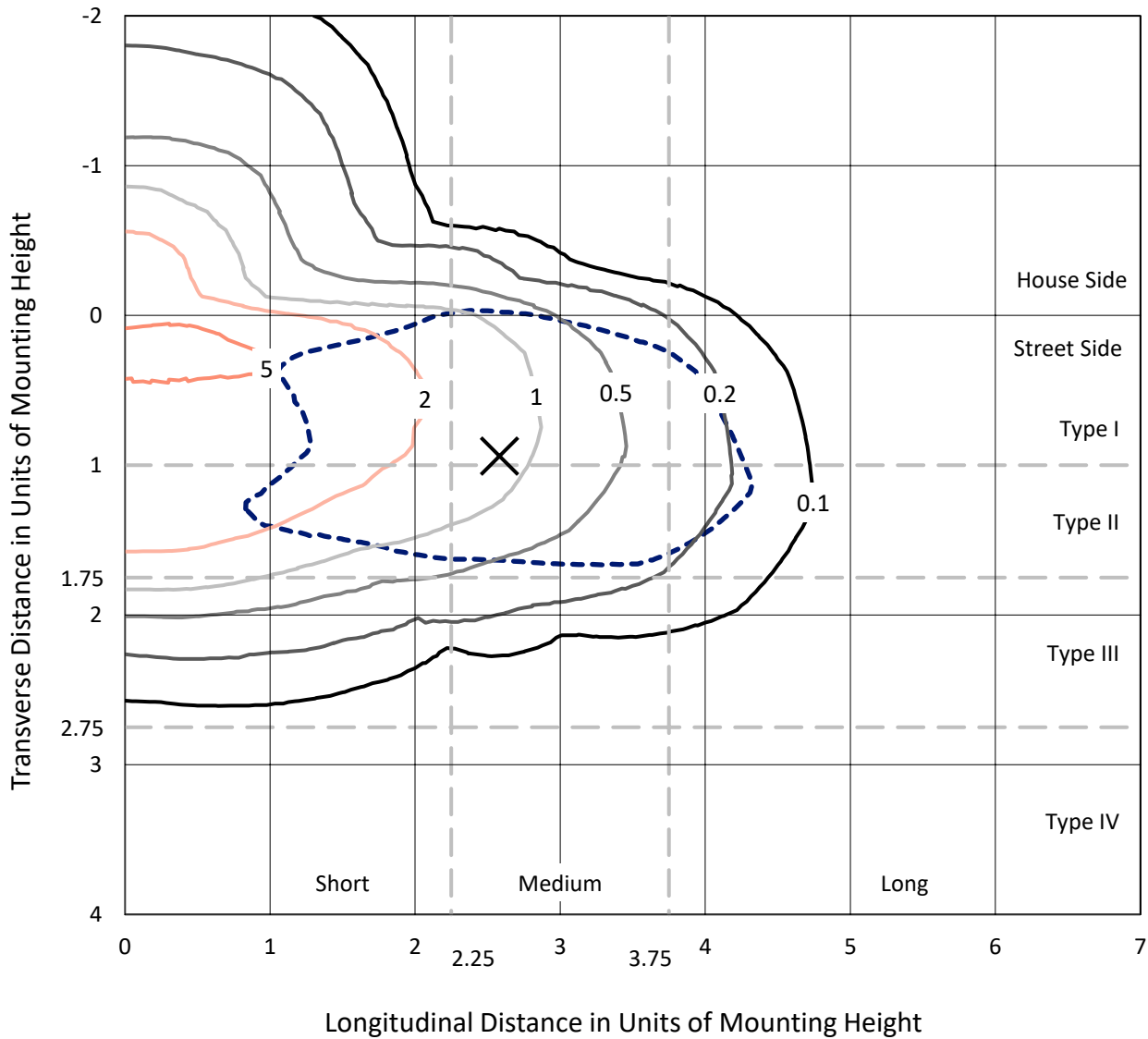
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

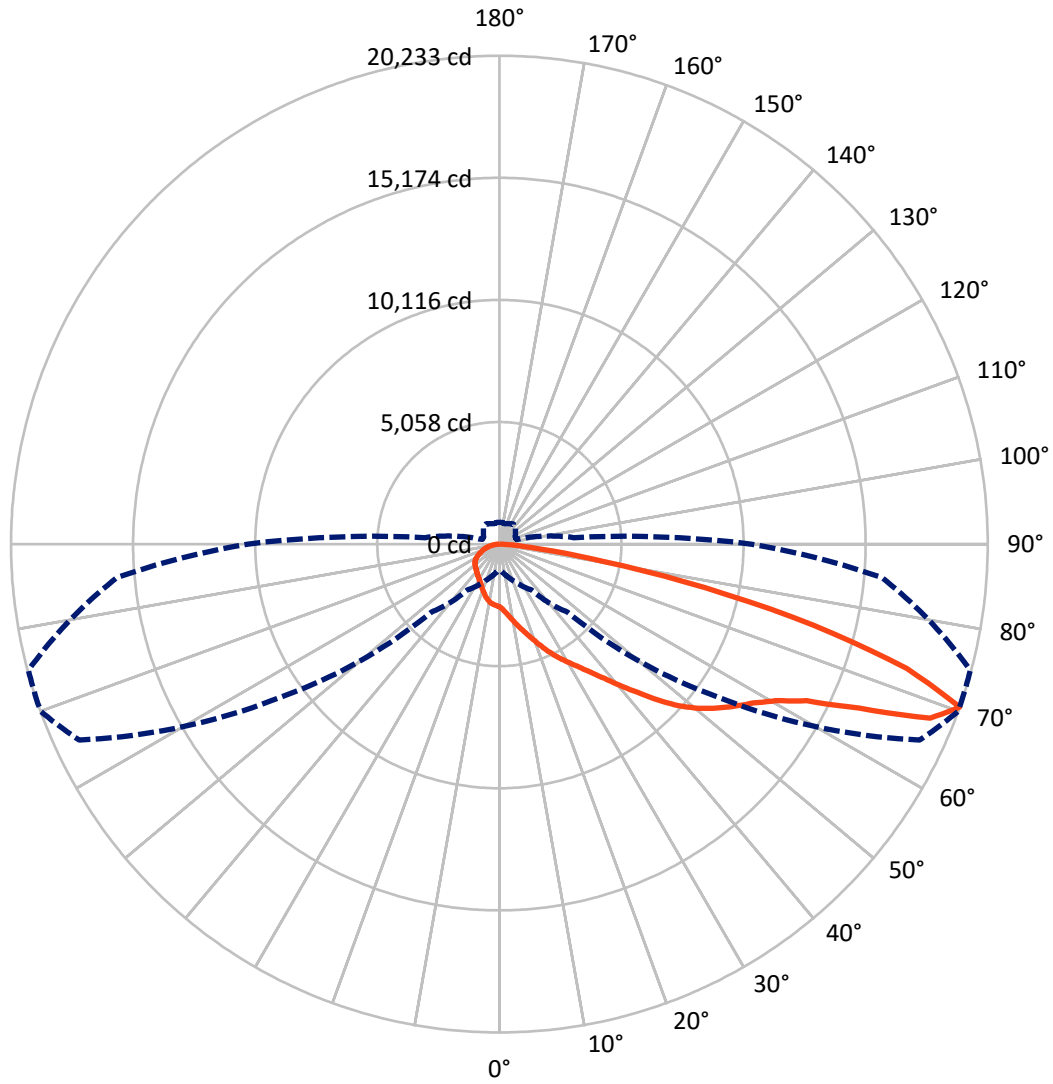
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3999.6	0.0	3999.6
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	18319.3	0.0	18319.3
	% Fixture	82.1	0.0	82.1
Total	Lumens	22318.9	0.0	22318.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	264.6	1.2
10°-20°	860.6	3.9
20°-30°	1524.5	6.8
30°-40°	2294.5	10.3
40°-50°	3471.3	15.6
50°-60°	4972.8	22.3
60°-70°	5496.9	24.6
70°-80°	3102.0	13.9
80°-90°	331.8	1.5
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°	22318.9	100.0
0°-180°	22318.9	100.0

Coefficient of Utilization



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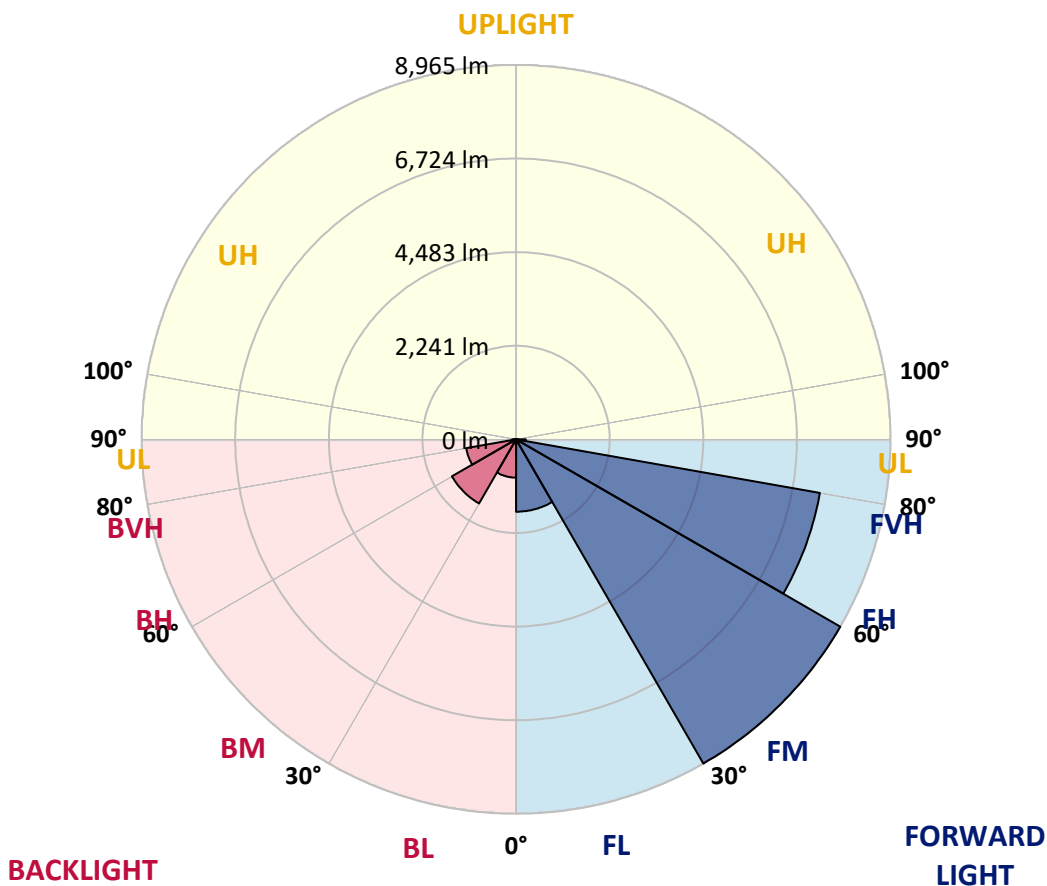
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1732.6	7.8			
FM (30°-60°)	8965.5	40.2			
FH (60°-80°)	7386.6	33.1			G3/7500
FVH (80°-90°)	234.6	1.1			G3/500
BL (0°-30°)	917.1	4.1	B2/1000		
BM (30°-60°)	1773.0	7.9	B2/2500		
BH (60°-80°)	1212.2	5.4	B3/2500		G3/2500
BVH (80°-90°)	97.3	0.4			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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	2602.8	2602.8	2602.8	2602.8	2602.8	2602.8	2602.8	2602.8	2602.8	2602.8	2602.8
2.5°	2883.5	2878.6	2881.8	2878.6	2860.9	2817.3	2781.9	2736.7	2706.1	2688.3	2646.4
5°	3222.1	3217.3	3206.0	3189.9	3157.6	3097.9	3009.2	2910.9	2851.2	2806.0	2717.3
7.5°	3465.6	3465.6	3464.0	3444.7	3422.1	3359.2	3254.4	3125.4	3038.3	2960.9	2815.7
10°	3589.8	3597.9	3609.2	3636.6	3631.7	3597.9	3499.5	3360.8	3251.1	3160.8	2944.7
12.5°	3657.5	3662.4	3681.7	3738.2	3796.2	3804.3	3746.2	3601.1	3481.7	3360.8	3088.3
15°	3744.6	3746.2	3772.0	3839.8	3925.2	4010.7	3996.2	3851.1	3728.5	3594.6	3247.9
17.5°	3812.3	3823.6	3870.4	3949.4	4055.9	4173.6	4244.5	4154.2	4002.6	3849.4	3422.1
20°	3836.5	3844.6	3905.9	4026.8	4172.0	4338.1	4496.1	4471.9	4318.7	4138.1	3618.8
22.5°	3923.6	3923.6	3968.8	4070.4	4241.3	4483.2	4739.6	4802.5	4667.1	4455.8	3830.1
25°	4115.5	4109.1	4130.0	4172.0	4301.0	4599.3	4979.9	5168.6	5017.0	4779.9	4041.3
27.5°	4378.4	4375.2	4373.6	4380.0	4423.5	4700.9	5183.1	5510.5	5358.9	5091.2	4230.0
30°	4663.8	4654.2	4675.1	4655.8	4646.1	4821.9	5355.7	5816.9	5699.2	5399.2	4386.5
32.5°	5052.5	5034.7	5029.9	4967.0	4928.3	5010.6	5494.4	6165.2	6071.7	5731.4	4562.2
35°	5565.3	5549.2	5466.9	5367.0	5252.5	5291.2	5666.9	6505.5	6512.0	6147.5	4792.8
37.5°	6083.0	6086.2	6021.7	5786.3	5668.5	5646.0	5929.8	6920.0	7058.6	6644.2	5091.2
40°	6513.6	6532.9	6532.9	6284.6	6108.8	6087.8	6299.1	7411.8	7687.6	7253.8	5468.6
42.5°	6840.9	6858.7	6915.1	6736.1	6550.7	6623.2	6747.4	7905.3	8400.4	8006.9	5945.9
45°	7200.6	7215.1	7245.7	7142.5	7034.5	7228.0	7255.4	8495.5	9216.4	8851.9	6500.7
47.5°	7677.9	7665.0	7668.2	7592.4	7508.6	7821.4	7815.0	8992.2	10005.0	9777.6	7102.2
50°	8271.4	8295.6	8273.0	8123.0	8024.6	8310.1	8347.2	9542.2	10698.4	10693.6	7708.6
52.5°	8842.3	8851.9	8971.3	8977.7	8776.1	8716.5	8813.2	10096.9	11283.8	11532.2	8290.7
55°	8871.3	8908.4	9266.4	9524.4	9850.2	9371.2	9284.1	10625.9	11849.9	12353.0	8895.5
57.5°	8253.6	8313.3	8921.3	9477.6	10384.0	10495.2	10090.5	11309.6	12415.9	13161.0	9595.4
60°	6934.5	7058.6	7884.3	8735.8	10143.7	11303.2	11740.2	12238.5	13159.4	13986.7	10445.2
62.5°	4428.4	4476.8	5634.7	7060.3	9061.6	11224.2	13536.7	13875.4	14291.5	15062.3	11754.7
65°	2217.4	2372.2	3051.2	4213.9	6534.5	9890.5	14444.7	16873.3	16363.7	16904.0	13877.0
67.5°	1504.6	1554.6	1898.1	2531.9	3831.7	7007.0	13881.8	19398.8	19248.8	19337.5	16139.6
70°	1109.5	1141.8	1412.7	1793.3	2317.4	3978.5	11051.6	19208.5	20232.5	20200.3	15902.5
72.5°	809.6	825.7	1030.5	1369.2	1717.5	2057.8	6749.0	15517.1	17661.9	18592.4	13907.6
75°	588.6	608.0	716.0	1024.0	1335.3	1283.7	3331.8	11208.0	13469.0	15259.1	11330.6
77.5°	438.6	462.8	512.8	641.8	935.3	919.2	1440.1	7278.0	8711.6	9966.3	6882.9
80°	316.1	320.9	349.9	411.2	593.5	538.6	685.4	3794.6	4351.0	4767.0	2698.0
82.5°	191.9	196.7	233.8	253.2	367.7	338.7	356.4	1228.9	1761.0	1869.1	1007.9
85°	56.4	59.7	106.4	116.1	153.2	145.1	143.5	499.9	596.7	762.8	396.7
87.5°	0.0	0.0	0.0	0.0	1.6	9.7	17.7	88.7	133.9	185.5	96.8
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°	2602.8	2602.8	2602.8	2602.8	2602.8	2602.8	2602.8	2602.8	2602.8	2602.8	2602.8
2.5°	2630.3	2593.2	2573.8	2540.0	2515.8	2491.6	2467.4	2444.8	2435.1	2420.6	2423.8
5°	2677.0	2619.0	2560.9	2494.8	2438.4	2391.6	2349.7	2312.6	2296.4	2281.9	2288.4
7.5°	2748.0	2660.9	2549.6	2428.7	2340.0	2275.5	2231.9	2206.1	2198.1	2186.8	2186.8
10°	2838.3	2707.7	2512.5	2340.0	2233.5	2181.9	2162.6	2161.0	2169.0	2170.7	2167.4
12.5°	2938.3	2752.8	2457.7	2235.2	2144.8	2128.7	2143.2	2170.7	2198.1	2212.6	2209.4
15°	3041.5	2781.9	2364.2	2135.2	2080.3	2101.3	2148.1	2202.9	2256.1	2283.5	2281.9
17.5°	3138.3	2788.3	2243.2	2038.4	2023.9	2077.1	2157.7	2243.2	2315.8	2354.5	2356.1
20°	3246.3	2777.0	2119.0	1951.3	1967.5	2054.5	2161.0	2264.2	2349.7	2388.4	2398.0
22.5°	3344.7	2738.3	1998.1	1869.1	1919.1	2027.1	2135.2	2231.9	2307.7	2344.8	2357.7
25°	3433.4	2664.1	1865.9	1799.7	1882.0	1988.4	2070.7	2138.4	2191.6	2214.2	2231.9
27.5°	3481.7	2552.9	1765.9	1744.9	1846.5	1933.6	1978.7	1999.7	2017.4	2011.0	2023.9
30°	3491.4	2414.2	1678.8	1701.4	1793.3	1857.8	1867.5	1846.5	1815.9	1765.9	1777.2
32.5°	3481.7	2254.5	1606.2	1654.6	1733.6	1772.3	1759.4	1704.6	1630.4	1553.0	1557.8
35°	3485.0	2093.2	1546.5	1603.0	1664.3	1685.2	1653.0	1577.2	1498.2	1427.2	1424.0
37.5°	3520.5	1957.8	1496.6	1553.0	1596.5	1599.8	1564.3	1485.3	1445.0	1391.7	1385.3
40°	3618.8	1857.8	1451.4	1503.0	1530.4	1528.8	1488.5	1432.0	1459.5	1441.7	1436.9
42.5°	3780.1	1796.5	1414.3	1449.8	1469.1	1472.4	1440.1	1404.6	1464.3	1441.7	1433.7
45°	4039.7	1793.3	1388.5	1396.6	1427.2	1449.8	1427.2	1386.9	1409.5	1299.8	1278.8
47.5°	4347.8	1848.1	1369.2	1349.8	1403.0	1443.3	1407.9	1343.4	1296.6	1196.6	1182.1
50°	4718.7	1959.4	1351.4	1299.8	1367.5	1419.1	1383.7	1295.0	1224.0	1170.8	1162.7
52.5°	5158.9	2106.1	1328.8	1243.4	1314.3	1406.2	1383.7	1290.1	1196.6	1148.2	1140.2
55°	5620.1	2275.5	1303.0	1175.6	1254.7	1409.5	1395.0	1256.3	1175.6	1149.8	1143.4
57.5°	6192.6	2478.7	1256.3	1096.6	1201.4	1380.4	1349.8	1236.9	1161.1	1140.2	1133.7
60°	6936.1	2780.2	1167.6	1016.0	1140.2	1328.8	1309.5	1204.7	1122.4	1104.7	1099.8
62.5°	8113.3	3291.5	1059.5	938.6	1067.6	1220.8	1249.8	1143.4	1074.0	1072.4	1070.8
65°	10032.4	3905.9	932.1	869.2	991.8	1132.1	1170.8	1080.5	1024.0	1041.8	1040.2
67.5°	11377.4	3959.1	827.3	796.7	903.1	1035.3	1091.8	1016.0	954.7	988.6	987.0
70°	10421.1	3088.3	737.0	720.9	807.9	930.5	1006.3	935.3	874.1	906.3	899.9
72.5°	8789.0	2367.4	651.5	641.8	711.2	820.8	896.6	854.7	790.2	790.2	775.7
75°	7063.5	1952.9	561.2	556.4	603.1	709.6	795.0	724.1	664.4	661.2	651.5
77.5°	4051.0	1280.5	470.9	467.7	482.2	593.5	617.7	603.1	558.0	537.0	530.6
80°	1614.3	666.0	370.9	349.9	364.5	435.4	487.0	462.8	424.1	398.3	383.8
82.5°	625.7	333.8	261.3	229.0	250.0	314.5	353.2	345.1	319.3	261.3	245.1
85°	254.8	162.9	156.4	132.2	145.1	169.3	203.2	175.8	145.1	103.2	98.4
87.5°	67.7	59.7	58.1	35.5	27.4	8.1	1.6	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)