

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: P635191

Luminaire Tested: GWS-SA3D-730-U-T2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635191
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-SA3D-730-U-T2-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: (48) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15899.4 lumens
Efficiency: N/A
Efficacy: 131.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G3

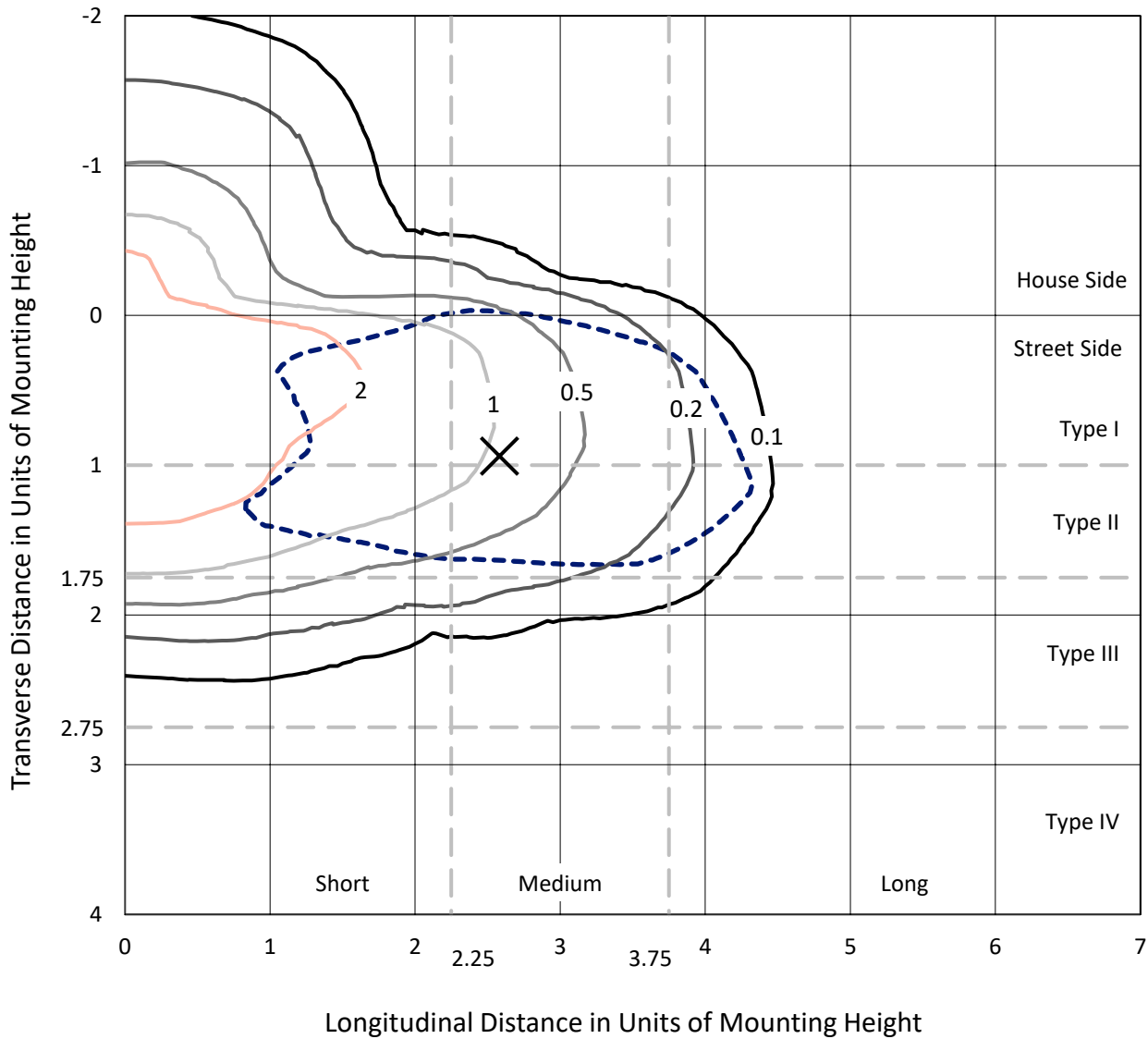
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

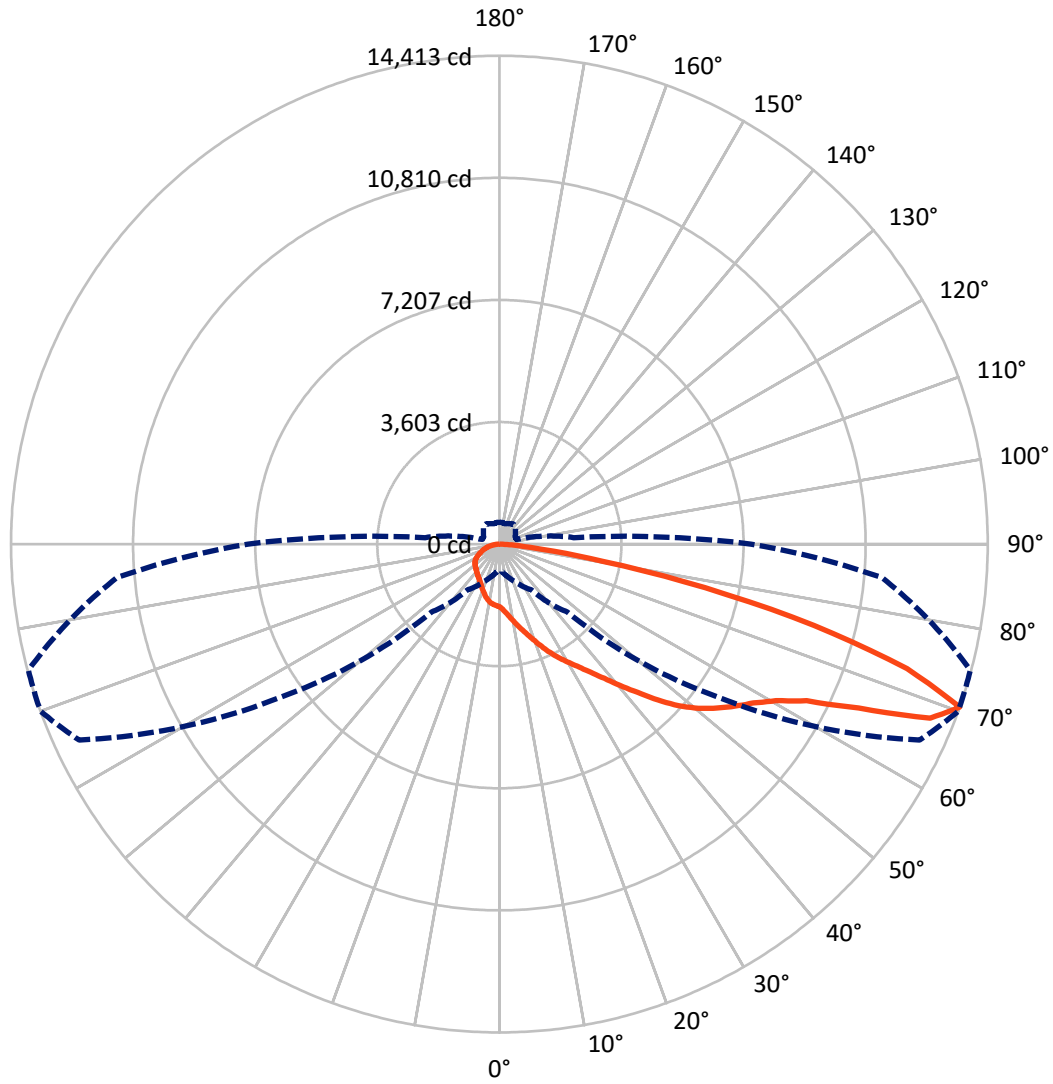
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 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	2849.2	0.0	2849.2
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	13050.2	0.0	13050.2
	% Fixture	82.1	0.0	82.1
Total	Lumens	15899.4	0.0	15899.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.5	1.2
10°-20°	613.1	3.9
20°-30°	1086.0	6.8
30°-40°	1634.5	10.3
40°-50°	2472.8	15.6
50°-60°	3542.5	22.3
60°-70°	3915.8	24.6
70°-80°	2209.8	13.9
80°-90°	236.4	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°	15899.4	100.0
0°-180°	15899.4	100.0

Coefficient of Utilization



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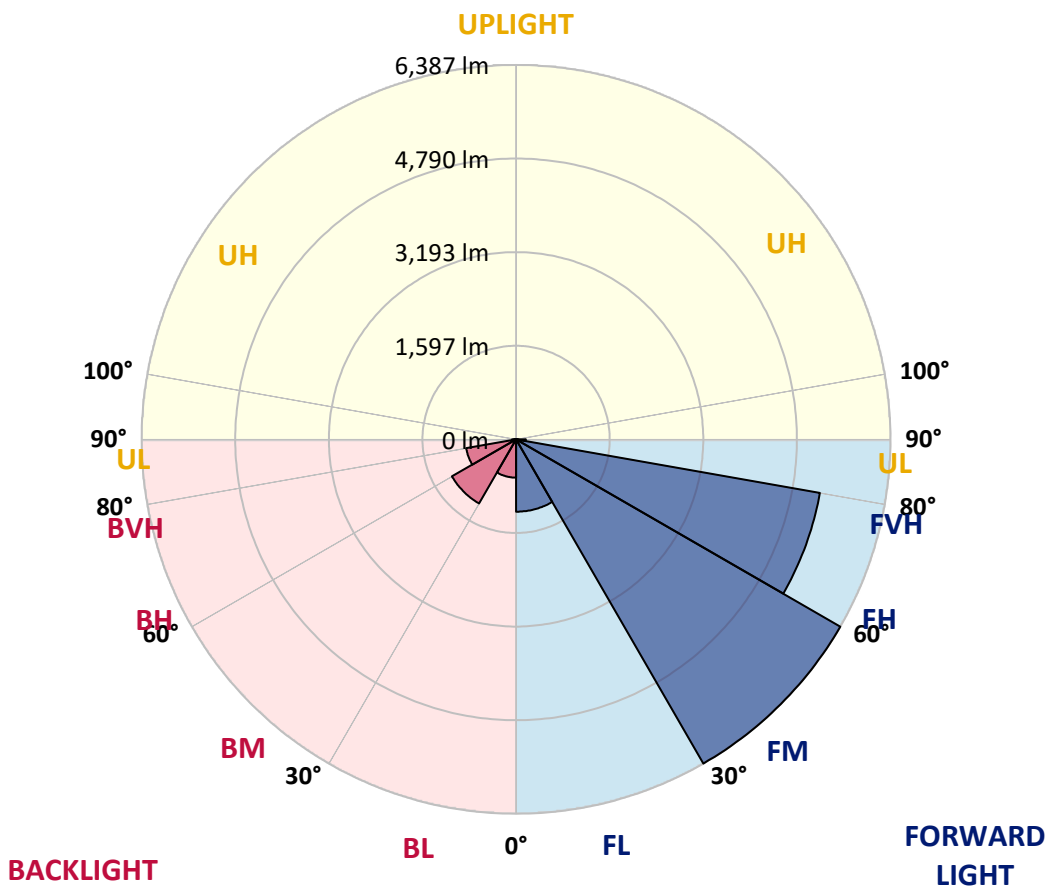
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1234.3	7.8			
FM (30°-60°)	6386.8	40.2			
FH (60°-80°)	5262.0	33.1			G3/7500
FVH (80°-90°)	167.1	1.1			G2/225
BL (0°-30°)	653.3	4.1	B2/1000		
BM (30°-60°)	1263.1	7.9	B2/2500		
BH (60°-80°)	863.6	5.4	B2/1000		G2/1000
BVH (80°-90°)	69.3	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	1854.2	1854.2	1854.2	1854.2	1854.2	1854.2	1854.2	1854.2	1854.2	1854.2	1854.2
2.5°	2054.1	2050.6	2052.9	2050.6	2038.0	2007.0	1981.7	1949.6	1927.7	1915.1	1885.2
5°	2295.3	2291.9	2283.9	2272.4	2249.4	2206.9	2143.7	2073.6	2031.1	1999.0	1935.8
7.5°	2468.8	2468.8	2467.7	2453.9	2437.8	2393.0	2318.3	2226.4	2164.4	2109.2	2005.8
10°	2557.3	2563.0	2571.1	2590.6	2587.1	2563.0	2492.9	2394.1	2316.0	2251.7	2097.7
12.5°	2605.5	2609.0	2622.8	2663.0	2704.3	2710.1	2668.7	2565.3	2480.3	2394.1	2200.0
15°	2667.6	2668.7	2687.1	2735.3	2796.2	2857.1	2846.8	2743.4	2656.1	2560.7	2313.7
17.5°	2715.8	2723.9	2757.2	2813.5	2889.3	2973.2	3023.7	2959.4	2851.4	2742.2	2437.8
20°	2733.0	2738.8	2782.4	2868.6	2972.0	3090.3	3202.9	3185.7	3076.5	2947.9	2578.0
22.5°	2795.1	2795.1	2827.3	2899.6	3021.4	3193.7	3376.4	3421.2	3324.7	3174.2	2728.5
25°	2931.8	2927.2	2942.1	2972.0	3063.9	3276.4	3547.6	3682.0	3574.0	3405.1	2878.9
27.5°	3119.1	3116.8	3115.6	3120.2	3151.2	3348.8	3692.3	3925.5	3817.5	3626.8	3013.4
30°	3322.4	3315.5	3330.4	3316.7	3309.8	3435.0	3815.2	4143.8	4059.9	3846.3	3124.8
32.5°	3599.3	3586.6	3583.2	3538.4	3510.8	3569.4	3914.0	4391.9	4325.3	4082.9	3250.0
35°	3964.6	3953.1	3894.5	3823.3	3741.7	3769.3	4037.0	4634.3	4638.9	4379.3	3414.3
37.5°	4333.4	4335.7	4289.7	4122.0	4038.1	4022.0	4224.2	4929.6	5028.4	4733.1	3626.8
40°	4640.1	4653.9	4653.9	4477.0	4351.7	4336.8	4487.3	5280.0	5476.4	5167.4	3895.7
42.5°	4873.3	4885.9	4926.2	4798.6	4666.5	4718.2	4806.7	5631.5	5984.2	5703.9	4235.7
45°	5129.5	5139.8	5161.7	5088.1	5011.2	5149.0	5168.6	6052.0	6565.5	6305.9	4630.9
47.5°	5469.5	5460.4	5462.7	5408.7	5348.9	5571.8	5567.2	6405.8	7127.3	6965.3	5059.4
50°	5892.3	5909.5	5893.5	5786.6	5716.5	5919.9	5946.3	6797.6	7621.3	7617.8	5491.4
52.5°	6299.0	6305.9	6390.9	6395.5	6251.9	6209.4	6278.3	7192.8	8038.3	8215.2	5906.1
55°	6319.7	6346.1	6601.1	6784.9	7017.0	6675.8	6613.8	7569.6	8441.5	8800.0	6336.9
57.5°	5879.7	5922.2	6355.3	6751.6	7397.3	7476.5	7188.2	8056.7	8844.8	9375.5	6835.5
60°	4939.9	5028.4	5616.6	6223.2	7226.1	8052.1	8363.4	8718.4	9374.4	9963.7	7440.9
62.5°	3154.7	3189.1	4014.0	5029.5	6455.2	7995.8	9643.2	9884.5	10180.9	10730.0	8373.8
65°	1579.6	1689.9	2173.6	3001.9	4655.0	7045.7	10290.0	12020.1	11657.1	12042.0	9885.6
67.5°	1071.9	1107.5	1352.2	1803.7	2729.6	4991.6	9889.1	13819.2	13712.3	13775.5	11497.4
70°	790.4	813.4	1006.4	1277.5	1650.9	2834.1	7872.9	13683.6	14413.1	14390.1	11328.5
72.5°	576.7	588.2	734.1	975.4	1223.5	1465.9	4807.8	11054.0	12581.9	13244.8	9907.4
75°	419.3	433.1	510.1	729.5	951.2	914.5	2373.5	7984.3	9595.0	10870.2	8071.6
77.5°	312.5	329.7	365.3	457.2	666.3	654.8	1025.9	5184.6	6205.9	7099.7	4903.2
80°	225.2	228.6	249.3	292.9	422.8	383.7	488.2	2703.2	3099.5	3395.9	1922.0
82.5°	136.7	140.2	166.6	180.4	261.9	241.3	253.9	875.4	1254.5	1331.5	718.0
85°	40.2	42.5	75.8	82.7	109.1	103.4	102.2	356.1	425.1	543.4	282.6
87.5°	0.0	0.0	0.0	0.0	1.1	6.9	12.6	63.2	95.4	132.1	68.9
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°	1854.2	1854.2	1854.2	1854.2	1854.2	1854.2	1854.2	1854.2	1854.2	1854.2	1854.2
2.5°	1873.7	1847.3	1833.5	1809.4	1792.2	1774.9	1757.7	1741.6	1734.7	1724.4	1726.7
5°	1907.0	1865.7	1824.3	1777.2	1737.0	1703.7	1673.8	1647.4	1635.9	1625.6	1630.2
7.5°	1957.6	1895.6	1816.3	1730.1	1666.9	1621.0	1590.0	1571.6	1565.8	1557.8	1557.8
10°	2021.9	1928.9	1789.9	1666.9	1591.1	1554.4	1540.6	1539.4	1545.2	1546.3	1544.0
12.5°	2093.2	1961.0	1750.8	1592.3	1527.9	1516.4	1526.8	1546.3	1565.8	1576.2	1573.9
15°	2166.7	1981.7	1684.2	1521.0	1482.0	1496.9	1530.2	1569.3	1607.2	1626.7	1625.6
17.5°	2235.6	1986.3	1598.0	1452.1	1441.8	1479.7	1537.1	1598.0	1649.7	1677.3	1678.4
20°	2312.6	1978.3	1509.6	1390.1	1401.6	1463.6	1539.4	1612.9	1673.8	1701.4	1708.3
22.5°	2382.7	1950.7	1423.4	1331.5	1367.1	1444.1	1521.0	1590.0	1644.0	1670.4	1679.6
25°	2445.8	1897.9	1329.2	1282.1	1340.7	1416.5	1475.1	1523.3	1561.2	1577.3	1590.0
27.5°	2480.3	1818.6	1258.0	1243.0	1315.4	1377.4	1409.6	1424.5	1437.2	1432.6	1441.8
30°	2487.2	1719.8	1195.9	1212.0	1277.5	1323.4	1330.3	1315.4	1293.6	1258.0	1266.0
32.5°	2480.3	1606.1	1144.2	1178.7	1235.0	1262.6	1253.4	1214.3	1161.5	1106.3	1109.8
35°	2482.6	1491.2	1101.7	1141.9	1185.6	1200.5	1177.5	1123.5	1067.3	1016.7	1014.4
37.5°	2507.9	1394.7	1066.1	1106.3	1137.3	1139.6	1114.4	1058.1	1029.3	991.4	986.8
40°	2578.0	1323.4	1033.9	1070.7	1090.2	1089.1	1060.4	1020.2	1039.7	1027.0	1023.6
42.5°	2692.8	1279.8	1007.5	1032.8	1046.6	1048.9	1025.9	1000.6	1043.1	1027.0	1021.3
45°	2877.8	1277.5	989.1	994.9	1016.7	1032.8	1016.7	988.0	1004.1	926.0	911.0
47.5°	3097.2	1316.6	975.4	961.6	999.5	1028.2	1002.9	957.0	923.7	852.4	842.1
50°	3361.5	1395.8	962.7	926.0	974.2	1011.0	985.7	922.5	872.0	834.0	828.3
52.5°	3675.1	1500.4	946.6	885.7	936.3	1001.8	985.7	919.1	852.4	818.0	812.2
55°	4003.6	1621.0	928.2	837.5	893.8	1004.1	993.7	894.9	837.5	819.1	814.5
57.5°	4411.5	1765.7	894.9	781.2	855.9	983.4	961.6	881.1	827.2	812.2	807.6
60°	4941.1	1980.6	831.7	723.8	812.2	946.6	932.8	858.2	799.6	786.9	783.5
62.5°	5779.7	2344.7	754.8	668.6	760.5	869.7	890.3	814.5	765.1	764.0	762.8
65°	7146.8	2782.4	664.0	619.2	706.5	806.5	834.0	769.7	729.5	742.1	741.0
67.5°	8104.9	2820.4	589.3	567.5	643.3	737.5	777.8	723.8	680.1	704.2	703.1
70°	7423.7	2200.0	525.0	513.5	575.6	662.9	716.9	666.3	622.7	645.6	641.0
72.5°	6261.1	1686.5	464.1	457.2	506.6	584.8	638.7	608.9	562.9	562.9	552.6
75°	5031.8	1391.2	399.8	396.3	429.7	505.5	566.4	515.8	473.3	471.0	464.1
77.5°	2885.8	912.2	335.5	333.2	343.5	422.8	440.0	429.7	397.5	382.6	378.0
80°	1150.0	474.5	264.2	249.3	259.6	310.2	346.9	329.7	302.1	283.8	273.4
82.5°	445.7	237.8	186.1	163.1	178.1	224.0	251.6	245.8	227.5	186.1	174.6
85°	181.5	116.0	111.4	94.2	103.4	120.6	144.8	125.2	103.4	73.5	70.1
87.5°	48.3	42.5	41.4	25.3	19.5	5.7	1.1	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)