

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: P635411

Luminaire Tested: GWS-SA3D-760-U-T2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635411
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-760-U-T2-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17615.3 lumens
Efficiency: N/A
Efficacy: 145.8 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

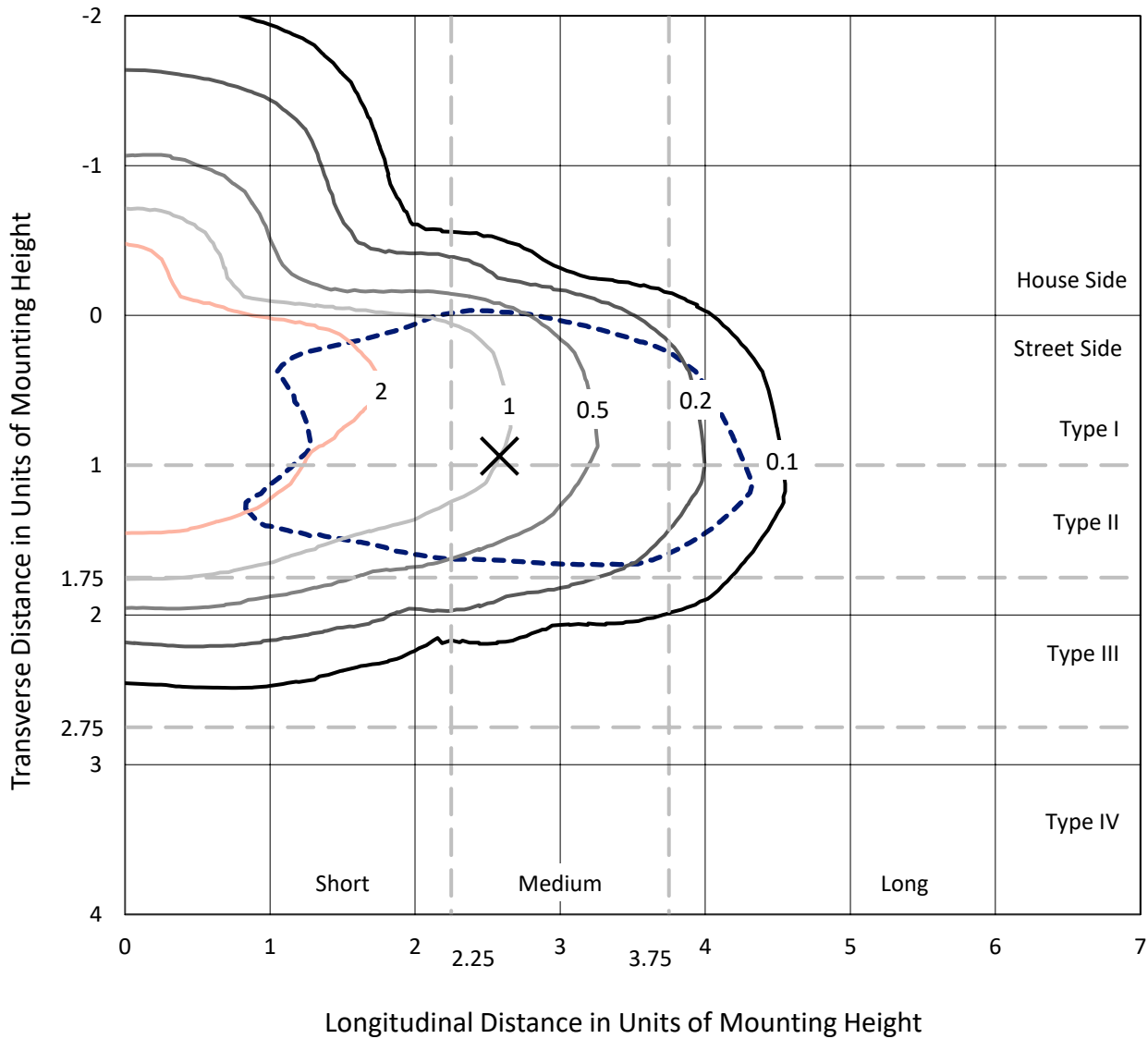
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

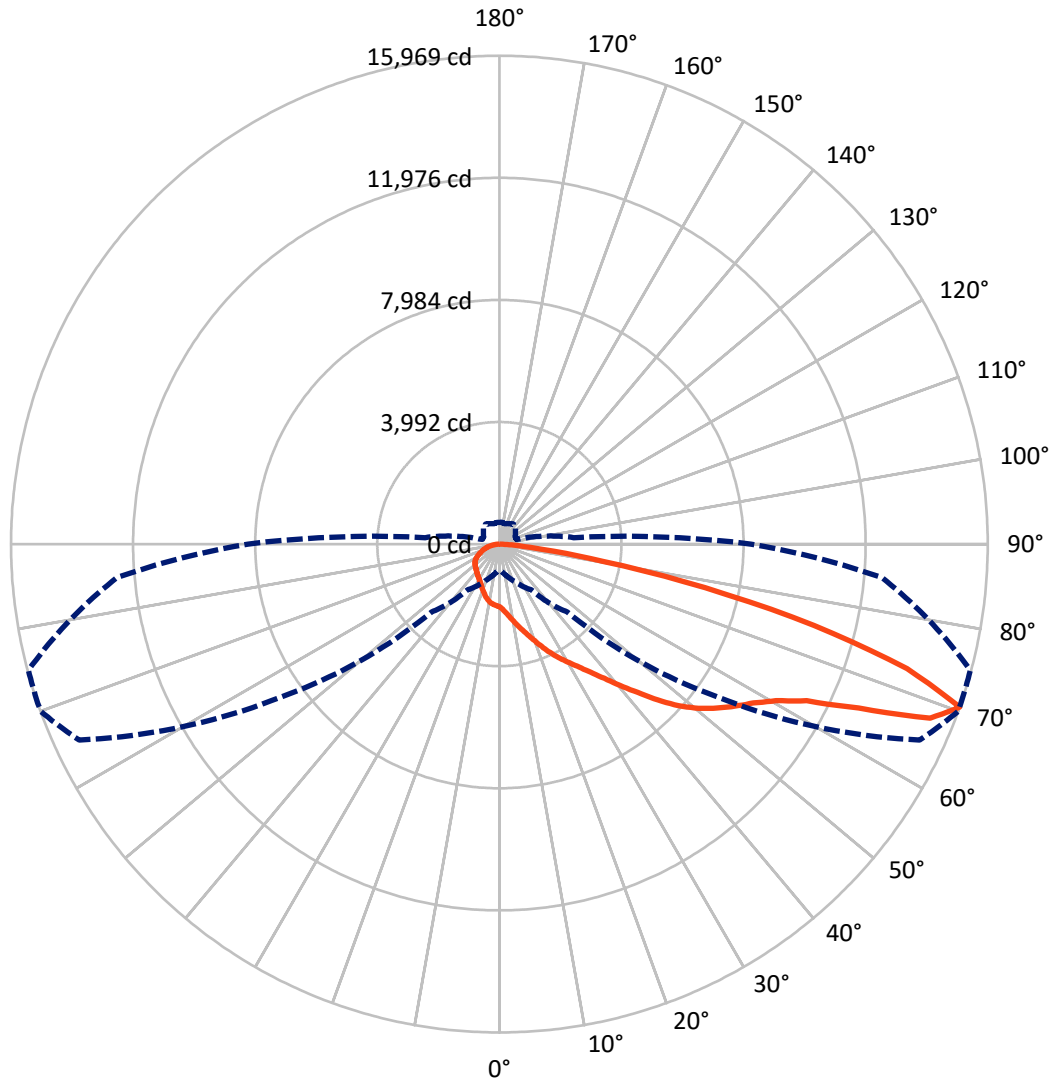
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 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	3156.7	0.0	3156.7
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	14458.6	0.0	14458.6
	% Fixture	82.1	0.0	82.1
Total	Lumens	17615.3	0.0	17615.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.8	1.2
10°-20°	679.2	3.9
20°-30°	1203.3	6.8
30°-40°	1810.9	10.3
40°-50°	2739.7	15.6
50°-60°	3924.8	22.3
60°-70°	4338.4	24.6
70°-80°	2448.3	13.9
80°-90°	261.9	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°	17615.3	100.0
0°-180°	17615.3	100.0

Coefficient of Utilization



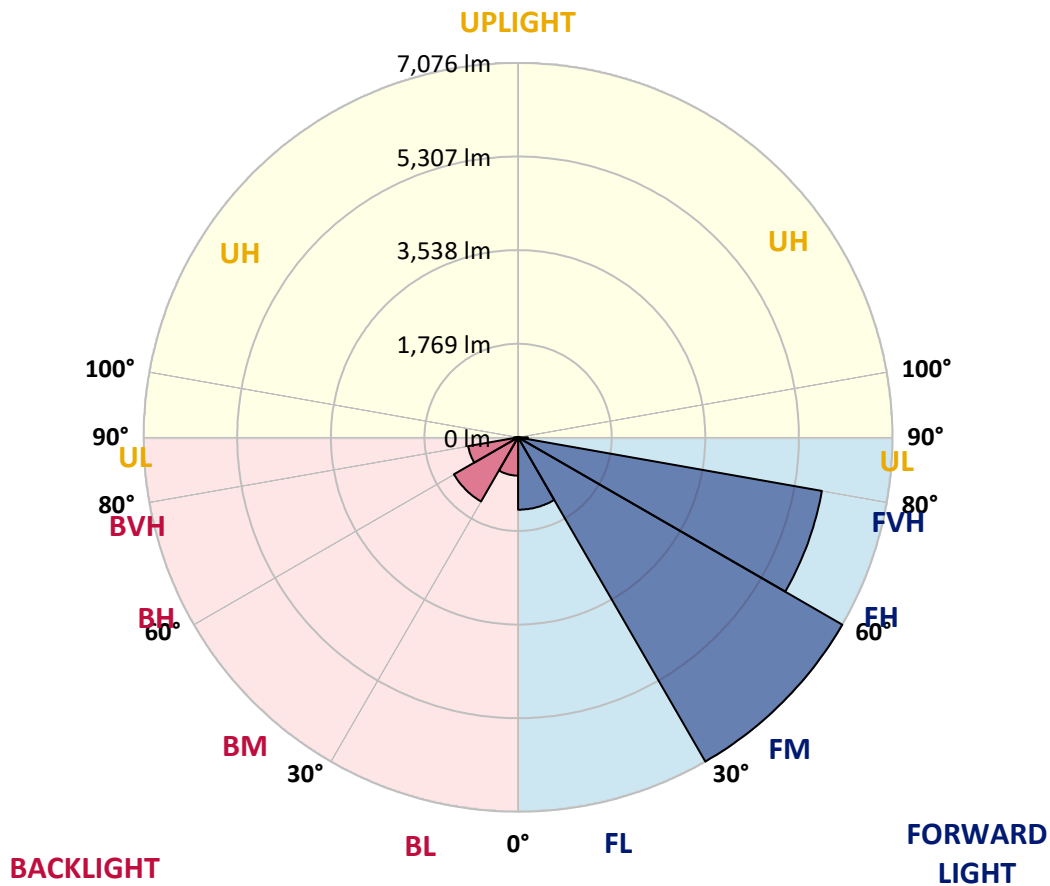
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1367.5	7.8			
FM (30°-60°)	7076.0	40.2			
FH (60°-80°)	5829.9	33.1			G3/7500
FVH (80°-90°)	185.1	1.1			G2/225
BL (0°-30°)	723.8	4.1	B2/1000		
BM (30°-60°)	1399.4	7.9	B2/2500		
BH (60°-80°)	956.8	5.4	B2/1000		G2/1000
BVH (80°-90°)	76.8	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°	2054.3	2054.3	2054.3	2054.3	2054.3	2054.3	2054.3	2054.3	2054.3	2054.3	2054.3
2.5°	2275.8	2272.0	2274.5	2272.0	2258.0	2223.6	2195.6	2160.0	2135.8	2121.8	2088.7
5°	2543.1	2539.2	2530.3	2517.6	2492.2	2445.1	2375.1	2297.4	2250.3	2214.7	2144.7
7.5°	2735.3	2735.3	2734.0	2718.7	2700.9	2651.3	2568.5	2466.7	2398.0	2336.9	2222.3
10°	2833.3	2839.6	2848.5	2870.2	2866.4	2839.6	2762.0	2652.5	2566.0	2494.7	2324.1
12.5°	2886.7	2890.5	2905.8	2950.4	2996.2	3002.5	2956.7	2842.2	2748.0	2652.5	2437.4
15°	2955.5	2956.7	2977.1	3030.6	3098.0	3165.5	3154.0	3039.5	2942.7	2837.1	2563.4
17.5°	3008.9	3017.8	3054.7	3117.1	3201.1	3294.0	3350.0	3278.7	3159.1	3038.2	2700.9
20°	3028.0	3034.4	3082.7	3178.2	3292.7	3423.8	3548.6	3529.5	3408.6	3266.0	2856.2
22.5°	3096.7	3096.7	3132.4	3212.6	3347.5	3538.4	3740.8	3790.4	3683.5	3516.8	3022.9
25°	3248.2	3243.1	3259.7	3292.7	3394.6	3630.0	3930.4	4079.3	3959.7	3772.6	3189.7
27.5°	3455.7	3453.1	3451.8	3456.9	3491.3	3710.2	4090.8	4349.2	4229.5	4018.2	3338.6
30°	3681.0	3673.3	3689.9	3674.6	3667.0	3805.7	4227.0	4591.0	4498.1	4261.4	3462.0
32.5°	3987.7	3973.7	3969.9	3920.2	3889.7	3954.6	4336.4	4865.9	4792.1	4523.6	3600.8
35°	4392.5	4379.7	4314.8	4235.9	4145.5	4176.1	4472.6	5134.5	5139.6	4851.9	3782.8
37.5°	4801.0	4803.6	4752.7	4566.8	4473.9	4456.1	4680.1	5461.6	5571.1	5244.0	4018.2
40°	5140.9	5156.1	5156.1	4960.1	4821.4	4804.8	4971.6	5849.8	6067.5	5725.1	4316.1
42.5°	5399.2	5413.2	5457.8	5316.5	5170.1	5227.4	5325.4	6239.3	6630.0	6319.5	4692.8
45°	5683.1	5694.5	5718.7	5637.3	5552.0	5704.7	5726.4	6705.1	7274.1	6986.4	5130.7
47.5°	6059.8	6049.6	6052.2	5992.4	5926.2	6173.1	6168.0	7097.2	7896.5	7717.0	5605.4
50°	6528.2	6547.3	6529.5	6411.1	6333.5	6558.8	6588.0	7531.2	8443.8	8440.0	6084.0
52.5°	6978.8	6986.4	7080.6	7085.7	6926.6	6879.5	6955.9	7969.0	8905.8	9101.8	6543.5
55°	7001.7	7031.0	7313.5	7517.2	7774.3	7396.3	7327.5	8386.5	9352.6	9749.7	7020.8
57.5°	6514.2	6561.3	7041.2	7480.3	8195.6	8283.4	7963.9	8926.2	9799.3	10387.4	7573.2
60°	5473.1	5571.1	6222.7	6894.8	8005.9	8921.1	9266.0	9659.3	10386.1	11039.0	8244.0
62.5°	3495.1	3533.3	4447.2	5572.3	7151.9	8858.7	10683.9	10951.2	11279.6	11888.0	9277.5
65°	1750.1	1872.3	2408.1	3325.8	5157.4	7806.1	11400.5	13317.4	12915.2	13341.6	10952.5
67.5°	1187.5	1227.0	1498.1	1998.3	3024.2	5530.3	10956.3	15310.6	15192.2	15262.2	12738.2
70°	875.7	901.1	1115.0	1415.4	1829.0	3140.0	8722.5	15160.4	15968.6	15943.2	12551.1
72.5°	638.9	651.7	813.3	1080.6	1355.5	1624.1	5326.7	12246.9	13939.8	14674.2	10976.7
75°	464.6	479.8	565.1	808.2	1053.9	1013.2	2629.6	8846.0	10630.5	12043.3	8942.7
77.5°	346.2	365.3	404.8	506.6	738.2	725.5	1136.6	5744.2	6875.7	7865.9	5432.3
80°	249.5	253.3	276.2	324.6	468.4	425.1	540.9	2994.9	3434.0	3762.4	2129.4
82.5°	151.5	155.3	184.6	199.8	290.2	267.3	281.3	969.9	1389.9	1475.2	795.5
85°	44.5	47.1	84.0	91.6	120.9	114.6	113.3	394.6	470.9	602.0	313.1
87.5°	0.0	0.0	0.0	0.0	1.3	7.6	14.0	70.0	105.6	146.4	76.4
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°	2054.3	2054.3	2054.3	2054.3	2054.3	2054.3	2054.3	2054.3	2054.3	2054.3	2054.3
2.5°	2075.9	2046.7	2031.4	2004.7	1985.6	1966.5	1947.4	1929.6	1921.9	1910.5	1913.0
5°	2112.9	2067.0	2021.2	1969.0	1924.5	1887.6	1854.5	1825.2	1812.5	1801.0	1806.1
7.5°	2168.9	2100.1	2012.3	1916.8	1846.8	1795.9	1761.6	1741.2	1734.8	1725.9	1725.9
10°	2240.1	2137.0	1983.0	1846.8	1762.8	1722.1	1706.8	1705.6	1711.9	1713.2	1710.7
12.5°	2319.1	2172.7	1939.8	1764.1	1692.8	1680.1	1691.6	1713.2	1734.8	1746.3	1743.7
15°	2400.5	2195.6	1865.9	1685.2	1641.9	1658.5	1695.4	1738.7	1780.7	1802.3	1801.0
17.5°	2476.9	2200.7	1770.5	1608.8	1597.4	1639.4	1703.0	1770.5	1827.7	1858.3	1859.6
20°	2562.2	2191.8	1672.5	1540.1	1552.8	1621.6	1705.6	1787.0	1854.5	1885.0	1892.7
22.5°	2639.8	2161.2	1577.0	1475.2	1514.6	1599.9	1685.2	1761.6	1821.4	1850.7	1860.8
25°	2709.8	2102.7	1472.6	1420.5	1485.4	1569.4	1634.3	1687.7	1729.7	1747.6	1761.6
27.5°	2748.0	2014.9	1393.7	1377.2	1457.4	1526.1	1561.7	1578.3	1592.3	1587.2	1597.4
30°	2755.6	1905.4	1325.0	1342.8	1415.4	1466.3	1473.9	1457.4	1433.2	1393.7	1402.6
32.5°	2748.0	1779.4	1267.7	1305.9	1368.3	1398.8	1388.6	1345.4	1286.8	1225.7	1229.5
35°	2750.5	1652.1	1220.6	1265.2	1313.5	1330.1	1304.6	1244.8	1182.4	1126.4	1123.9
37.5°	2778.5	1545.2	1181.2	1225.7	1260.1	1262.6	1234.6	1172.3	1140.4	1098.4	1093.3
40°	2856.2	1466.3	1145.5	1186.3	1207.9	1206.6	1174.8	1130.3	1151.9	1137.9	1134.1
42.5°	2983.5	1417.9	1116.3	1144.3	1159.5	1162.1	1136.6	1108.6	1155.7	1137.9	1131.5
45°	3188.4	1415.4	1095.9	1102.2	1126.4	1144.3	1126.4	1094.6	1112.4	1025.9	1009.3
47.5°	3431.5	1458.6	1080.6	1065.3	1107.3	1139.2	1111.2	1060.2	1023.3	944.4	933.0
50°	3724.2	1546.5	1066.6	1025.9	1079.3	1120.1	1092.1	1022.1	966.1	924.1	917.7
52.5°	4071.7	1662.3	1048.8	981.3	1037.3	1109.9	1092.1	1018.2	944.4	906.2	899.9
55°	4435.7	1795.9	1028.4	927.9	990.2	1112.4	1101.0	991.5	927.9	907.5	902.4
57.5°	4887.6	1956.3	991.5	865.5	948.2	1089.5	1065.3	976.2	916.4	899.9	894.8
60°	5474.3	2194.3	921.5	801.9	899.9	1048.8	1033.5	950.8	885.9	871.9	868.1
62.5°	6403.5	2597.8	836.2	740.8	842.6	963.5	986.4	902.4	847.7	846.4	845.1
65°	7918.1	3082.7	735.7	686.0	782.8	893.5	924.1	852.8	808.2	822.2	821.0
67.5°	8979.6	3124.7	652.9	628.8	712.8	817.1	861.7	801.9	753.5	780.2	779.0
70°	8224.9	2437.4	581.7	568.9	637.7	734.4	794.2	738.2	689.9	715.3	710.2
72.5°	6936.8	1868.5	514.2	506.6	561.3	647.9	707.7	674.6	623.7	623.7	612.2
75°	5574.9	1541.4	442.9	439.1	476.0	560.0	627.5	571.5	524.4	521.9	514.2
77.5°	3197.3	1010.6	371.7	369.1	380.6	468.4	487.5	476.0	440.4	423.8	418.8
80°	1274.1	525.7	292.7	276.2	287.7	343.7	384.4	365.3	334.7	314.4	302.9
82.5°	493.8	263.5	206.2	180.7	197.3	248.2	278.7	272.4	252.0	206.2	193.5
85°	201.1	128.6	123.5	104.4	114.6	133.6	160.4	138.7	114.6	81.5	77.6
87.5°	53.5	47.1	45.8	28.0	21.6	6.4	1.3	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)