

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: P635356

Luminaire Tested: GWS-SA3D-750-U-T2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635356
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-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: 17860.1 lumens
Efficiency: N/A
Efficacy: 147.8 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

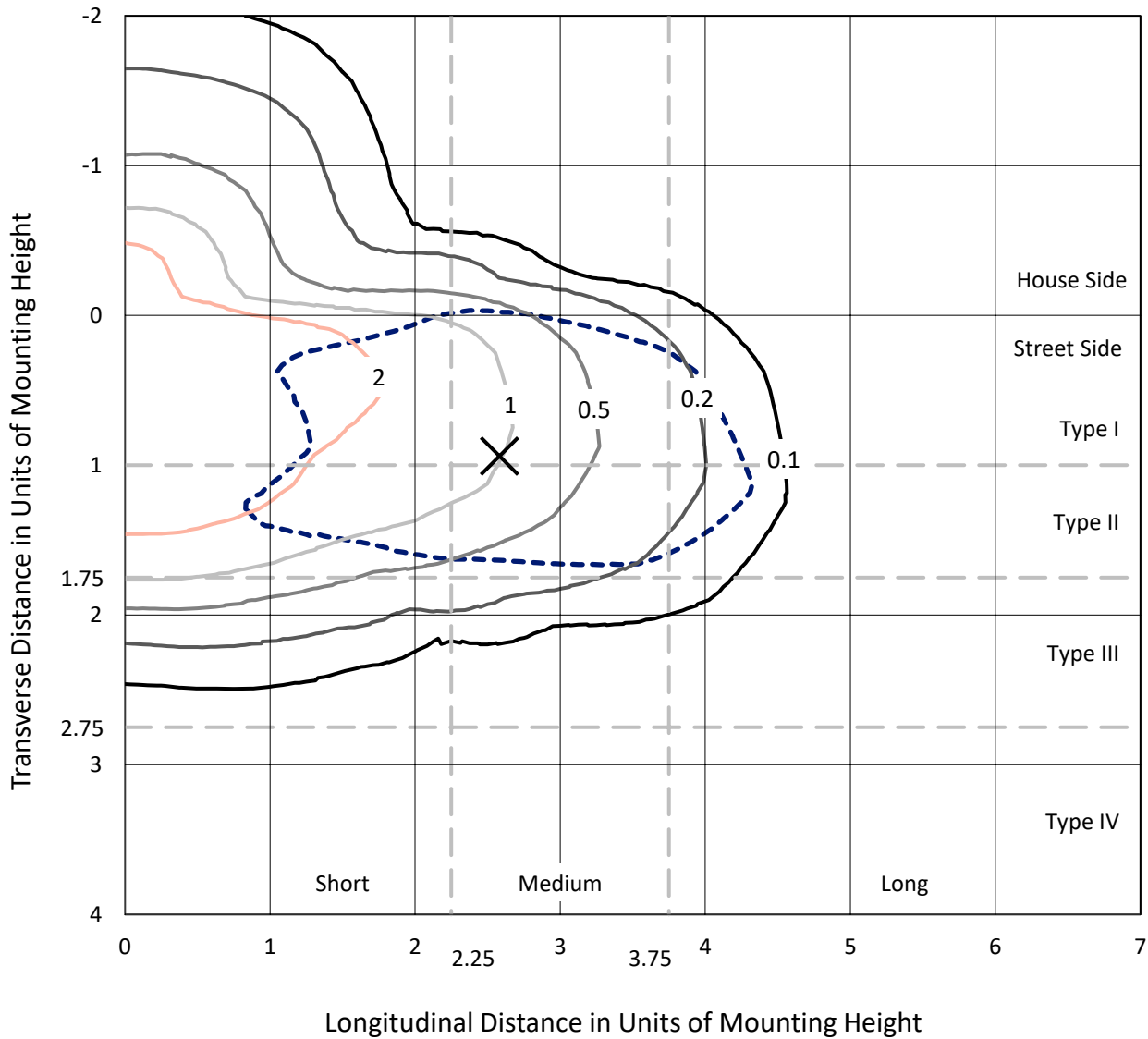
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

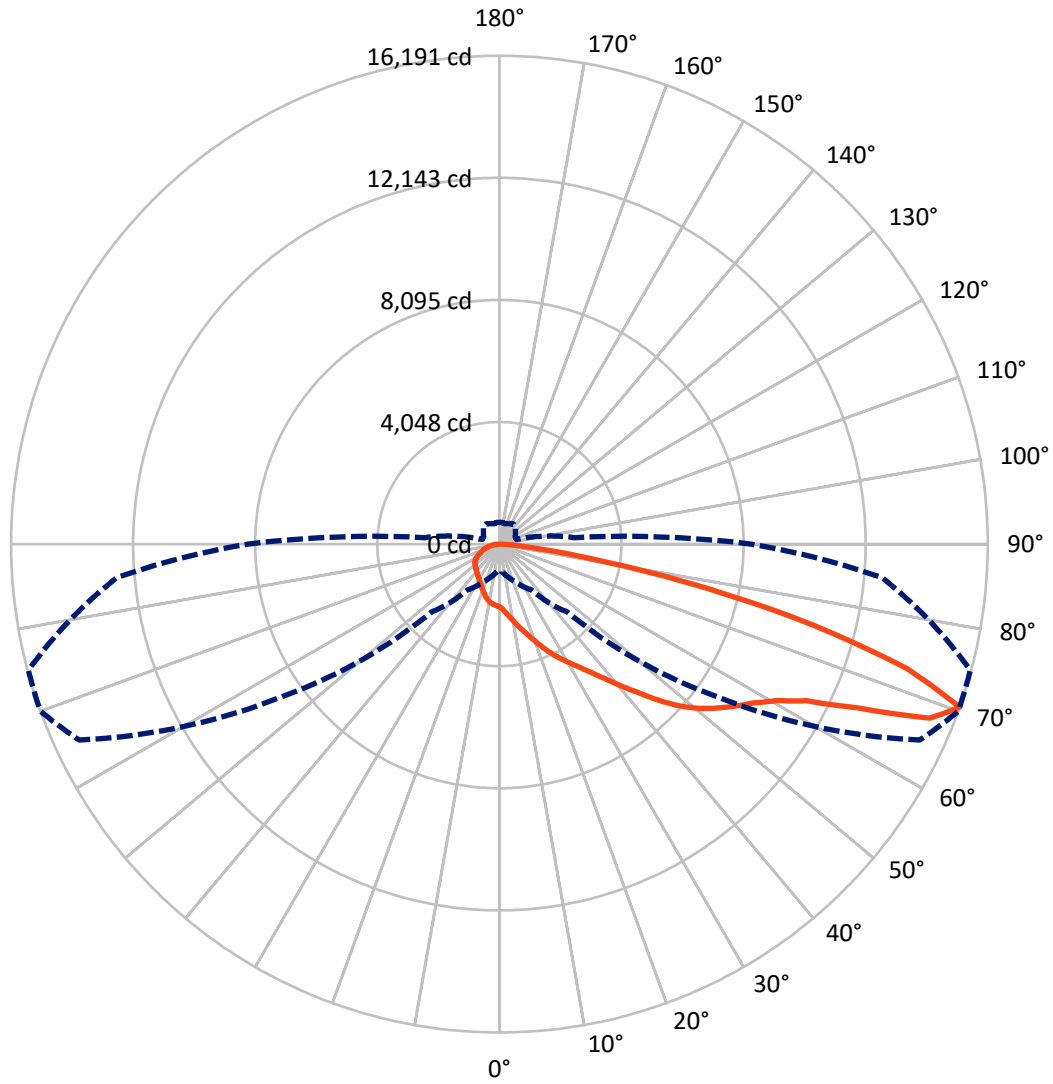
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 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	3200.6	0.0	3200.6
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	14659.5	0.0	14659.5
	% Fixture	82.1	0.0	82.1
Total	Lumens	17860.1	0.0	17860.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.7	1.2
10°-20°	688.7	3.9
20°-30°	1220.0	6.8
30°-40°	1836.1	10.3
40°-50°	2777.8	15.6
50°-60°	3979.3	22.3
60°-70°	4398.7	24.6
70°-80°	2482.3	13.9
80°-90°	265.5	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°	17860.1	100.0
0°-180°	17860.1	100.0

Coefficient of Utilization



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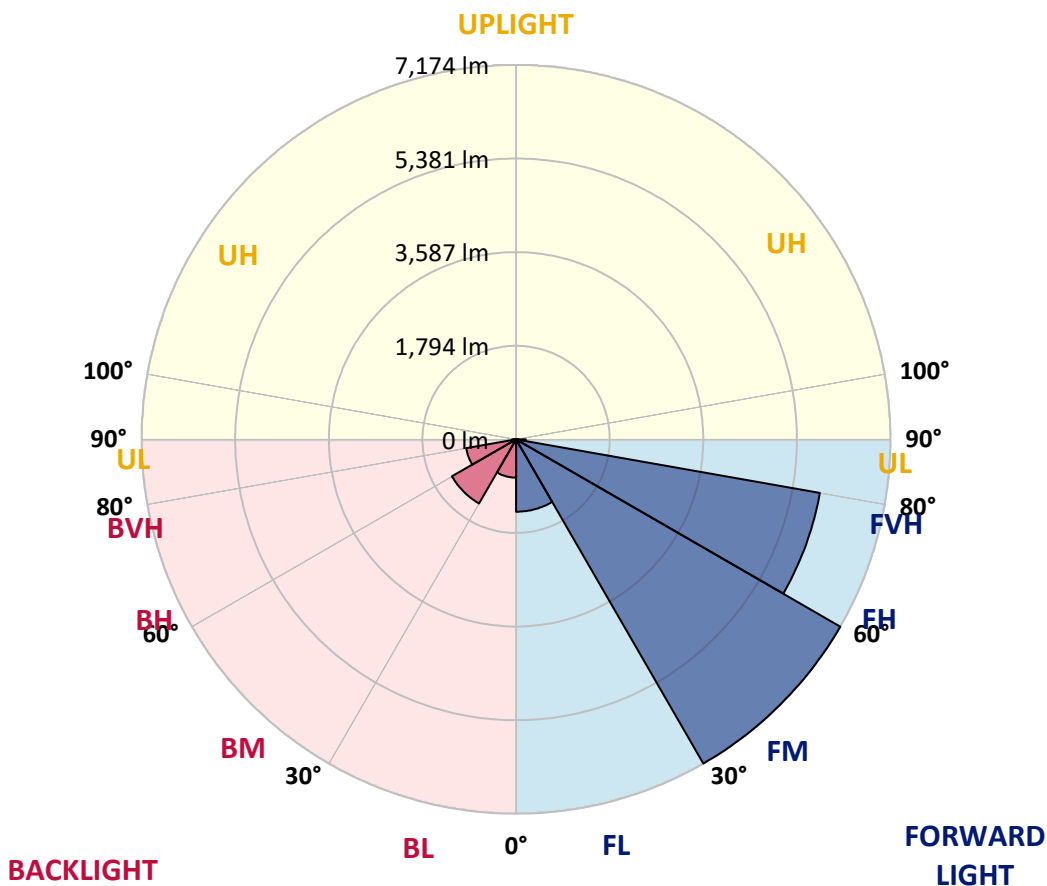
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1386.5	7.8			
FM (30°-60°)	7174.4	40.2			
FH (60°-80°)	5911.0	33.1			G3/7500
FVH (80°-90°)	187.7	1.1			G2/225
BL (0°-30°)	733.8	4.1	B2/1000		
BM (30°-60°)	1418.8	7.9	B2/2500		
BH (60°-80°)	970.1	5.4	B2/1000		G2/1000
BVH (80°-90°)	77.8	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°	2082.9	2082.9	2082.9	2082.9	2082.9	2082.9	2082.9	2082.9	2082.9	2082.9	2082.9
2.5°	2307.4	2303.5	2306.1	2303.5	2289.3	2254.5	2226.1	2190.0	2165.4	2151.3	2117.7
5°	2578.4	2574.5	2565.5	2552.6	2526.8	2479.0	2408.1	2329.3	2281.6	2245.5	2174.5
7.5°	2773.3	2773.3	2772.0	2756.5	2738.4	2688.1	2604.2	2501.0	2431.3	2369.3	2253.2
10°	2872.6	2879.1	2888.1	2910.1	2906.2	2879.1	2800.4	2689.4	2601.6	2529.4	2356.4
12.5°	2926.8	2930.7	2946.2	2991.4	3037.8	3044.3	2997.8	2881.7	2786.2	2689.4	2471.3
15°	2996.5	2997.8	3018.5	3072.7	3141.1	3209.5	3197.8	3081.7	2983.6	2876.5	2599.1
17.5°	3050.7	3059.8	3097.2	3160.4	3245.6	3339.8	3396.6	3324.3	3203.0	3080.4	2738.4
20°	3070.1	3076.5	3125.6	3222.4	3338.5	3471.4	3597.9	3578.5	3455.9	3311.4	2895.9
22.5°	3139.8	3139.8	3175.9	3257.2	3394.0	3587.6	3792.8	3843.1	3734.7	3565.6	3064.9
25°	3293.3	3288.2	3305.0	3338.5	3441.7	3680.5	3985.0	4136.0	4014.7	3825.0	3234.0
27.5°	3503.7	3501.1	3499.8	3505.0	3539.8	3761.8	4147.6	4409.6	4288.3	4074.1	3385.0
30°	3732.1	3724.4	3741.1	3725.7	3717.9	3858.6	4285.7	4654.8	4560.6	4320.6	3510.1
32.5°	4043.1	4028.9	4025.1	3974.7	3943.8	4009.6	4396.7	4933.6	4858.7	4586.4	3650.8
35°	4453.5	4440.6	4374.8	4294.8	4203.1	4234.1	4534.8	5205.9	5211.0	4919.4	3835.3
37.5°	4867.7	4870.3	4818.7	4630.3	4536.1	4518.0	4745.1	5537.5	5648.5	5316.8	4074.1
40°	5212.3	5227.8	5227.8	5029.1	4888.4	4871.6	5040.7	5931.1	6151.8	5804.6	4376.1
42.5°	5474.3	5488.5	5533.6	5390.4	5242.0	5300.1	5399.4	6326.0	6722.2	6407.3	4758.1
45°	5762.1	5773.7	5798.2	5715.6	5629.1	5784.0	5805.9	6798.3	7375.2	7083.5	5202.0
47.5°	6144.0	6133.7	6136.3	6075.6	6008.5	6258.9	6253.7	7195.8	8006.2	7824.3	5683.3
50°	6618.9	6638.3	6620.2	6500.2	6421.5	6649.9	6679.6	7635.9	8561.1	8557.3	6168.6
52.5°	7075.8	7083.5	7179.0	7184.2	7022.9	6975.1	7052.6	8079.8	9029.6	9228.3	6634.4
55°	7099.0	7128.7	7415.2	7621.7	7882.3	7499.1	7429.4	8503.1	9482.6	9885.2	7118.4
57.5°	6604.7	6652.5	7139.0	7584.2	8309.5	8398.5	8074.6	9050.2	9935.5	10531.7	7678.4
60°	5549.1	5648.5	6309.2	6990.6	8117.2	9045.1	9394.8	9793.6	10530.4	11192.5	8358.5
62.5°	3543.7	3582.4	4509.0	5649.8	7251.3	8981.8	10832.4	11103.4	11436.4	12053.2	9406.4
65°	1774.4	1898.3	2441.6	3372.1	5229.1	7914.6	11559.0	13502.4	13094.6	13527.0	11104.7
67.5°	1204.0	1244.0	1518.9	2026.1	3066.2	5607.2	11108.6	15523.4	15403.3	15474.3	12915.3
70°	887.9	913.7	1130.5	1435.0	1854.4	3183.6	8843.8	15371.1	16190.5	16164.7	12725.6
72.5°	647.8	660.7	824.6	1095.6	1374.4	1646.7	5400.7	12417.1	14133.5	14878.1	11129.2
75°	471.0	486.5	573.0	819.5	1068.5	1027.2	2666.2	8968.9	10778.2	12210.7	9067.0
77.5°	351.0	370.4	410.4	513.6	748.5	735.6	1152.4	5824.0	6971.2	7975.3	5507.8
80°	252.9	256.8	280.0	329.1	474.9	431.0	548.5	3036.5	3481.8	3814.7	2159.0
82.5°	153.6	157.4	187.1	202.6	294.2	271.0	285.2	983.4	1409.2	1495.7	806.6
85°	45.2	47.7	85.2	92.9	122.6	116.1	114.9	400.1	477.5	610.4	317.5
87.5°	0.0	0.0	0.0	0.0	1.3	7.7	14.2	71.0	107.1	148.4	77.4
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°	2082.9	2082.9	2082.9	2082.9	2082.9	2082.9	2082.9	2082.9	2082.9	2082.9	2082.9
2.5°	2104.8	2075.1	2059.6	2032.5	2013.2	1993.8	1974.5	1956.4	1948.6	1937.0	1939.6
5°	2142.2	2095.8	2049.3	1996.4	1951.2	1913.8	1880.2	1850.6	1837.7	1826.0	1831.2
7.5°	2199.0	2129.3	2040.3	1943.5	1872.5	1820.9	1786.0	1765.4	1758.9	1749.9	1749.9
10°	2271.3	2166.7	2010.6	1872.5	1787.3	1746.0	1730.6	1729.3	1735.7	1737.0	1734.4
12.5°	2351.3	2202.9	1966.7	1788.6	1716.4	1703.5	1715.1	1737.0	1758.9	1770.6	1768.0
15°	2433.9	2226.1	1891.9	1708.6	1664.7	1681.5	1718.9	1762.8	1805.4	1827.3	1826.0
17.5°	2511.3	2231.3	1795.1	1631.2	1619.6	1662.2	1726.7	1795.1	1853.1	1884.1	1885.4
20°	2597.8	2222.2	1695.7	1561.5	1574.4	1644.1	1729.3	1811.9	1880.2	1911.2	1919.0
22.5°	2676.5	2191.3	1598.9	1495.7	1535.7	1622.2	1708.6	1786.0	1846.7	1876.4	1886.7
25°	2747.5	2131.9	1493.1	1440.2	1506.0	1591.2	1657.0	1711.2	1753.8	1771.8	1786.0
27.5°	2786.2	2042.9	1413.1	1396.3	1477.6	1547.3	1583.4	1600.2	1614.4	1609.2	1619.6
30°	2793.9	1931.9	1343.4	1361.5	1435.0	1486.6	1494.4	1477.6	1453.1	1413.1	1422.1
32.5°	2786.2	1804.1	1285.3	1324.0	1387.3	1418.3	1407.9	1364.1	1304.7	1242.7	1246.6
35°	2788.8	1675.1	1237.6	1282.8	1331.8	1348.6	1322.8	1262.1	1198.9	1142.1	1139.5
37.5°	2817.1	1566.7	1197.6	1242.7	1277.6	1280.2	1251.8	1188.5	1156.3	1113.7	1108.5
40°	2895.9	1486.6	1161.4	1202.7	1224.7	1223.4	1191.1	1146.0	1167.9	1153.7	1149.8
42.5°	3024.9	1437.6	1131.8	1160.2	1175.6	1178.2	1152.4	1124.0	1171.8	1153.7	1147.2
45°	3232.7	1435.0	1111.1	1117.6	1142.1	1160.2	1142.1	1109.8	1127.9	1040.1	1023.4
47.5°	3479.2	1478.9	1095.6	1080.1	1122.7	1155.0	1126.6	1075.0	1037.6	957.5	945.9
50°	3776.0	1568.0	1081.4	1040.1	1094.3	1135.6	1107.2	1036.3	979.5	936.9	930.4
52.5°	4128.3	1685.4	1063.4	995.0	1051.8	1125.3	1107.2	1032.4	957.5	918.8	912.4
55°	4497.4	1820.9	1042.7	940.8	1004.0	1127.9	1116.3	1005.3	940.8	920.1	915.0
57.5°	4955.5	1983.5	1005.3	877.5	961.4	1104.7	1080.1	989.8	929.2	912.4	907.2
60°	5550.4	2224.8	934.3	813.0	912.4	1063.4	1047.9	964.0	898.2	884.0	880.1
62.5°	6492.5	2633.9	847.9	751.1	854.3	976.9	1000.1	915.0	859.5	858.2	856.9
65°	8028.2	3125.6	745.9	695.6	793.7	905.9	936.9	864.6	819.5	833.7	832.4
67.5°	9104.4	3168.2	662.0	637.5	722.7	828.5	873.7	813.0	764.0	791.1	789.8
70°	8339.2	2471.3	589.8	576.9	646.5	744.6	805.3	748.5	699.4	725.3	720.1
72.5°	7033.2	1894.4	521.4	513.6	569.1	656.9	717.5	684.0	632.3	632.3	620.7
75°	5652.4	1562.8	449.1	445.2	482.6	567.8	636.2	579.4	531.7	529.1	521.4
77.5°	3241.7	1024.7	376.8	374.2	385.9	474.9	494.3	482.6	446.5	429.7	424.6
80°	1291.8	533.0	296.8	280.0	291.7	348.4	389.7	370.4	339.4	318.8	307.1
82.5°	500.7	267.1	209.1	183.3	200.0	251.6	282.6	276.2	255.5	209.1	196.2
85°	203.9	130.3	125.2	105.8	116.1	135.5	162.6	140.7	116.1	82.6	78.7
87.5°	54.2	47.7	46.5	28.4	21.9	6.5	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)