

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: P634366

Luminaire Tested: GWS-SA3B-750-U-T2-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634366  
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-SA3B-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**

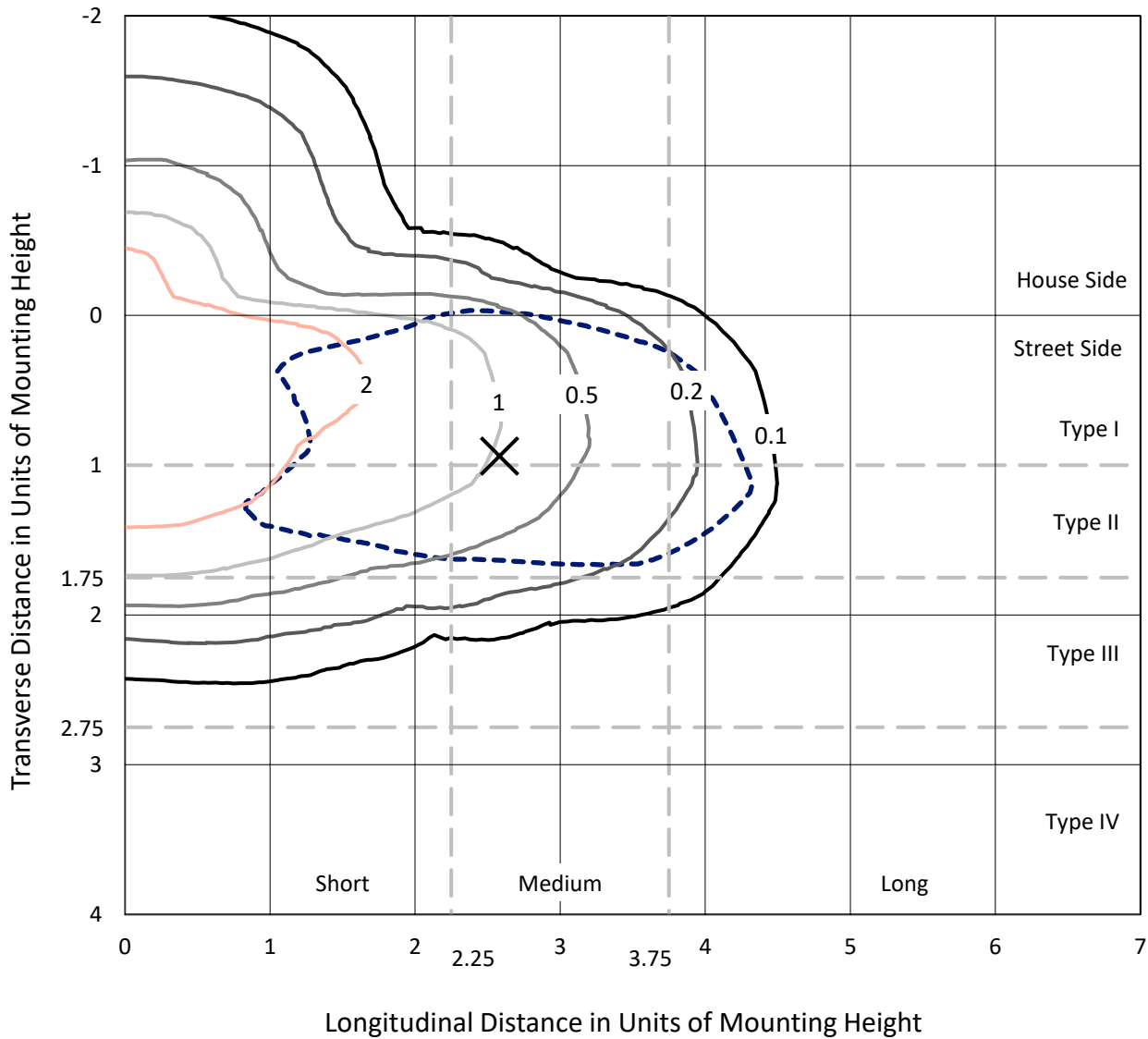
Lumens per Lamp: N/A  
Luminaire Lumens: 10556.3 lumens  
Efficiency: N/A  
Efficacy: 154.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): 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

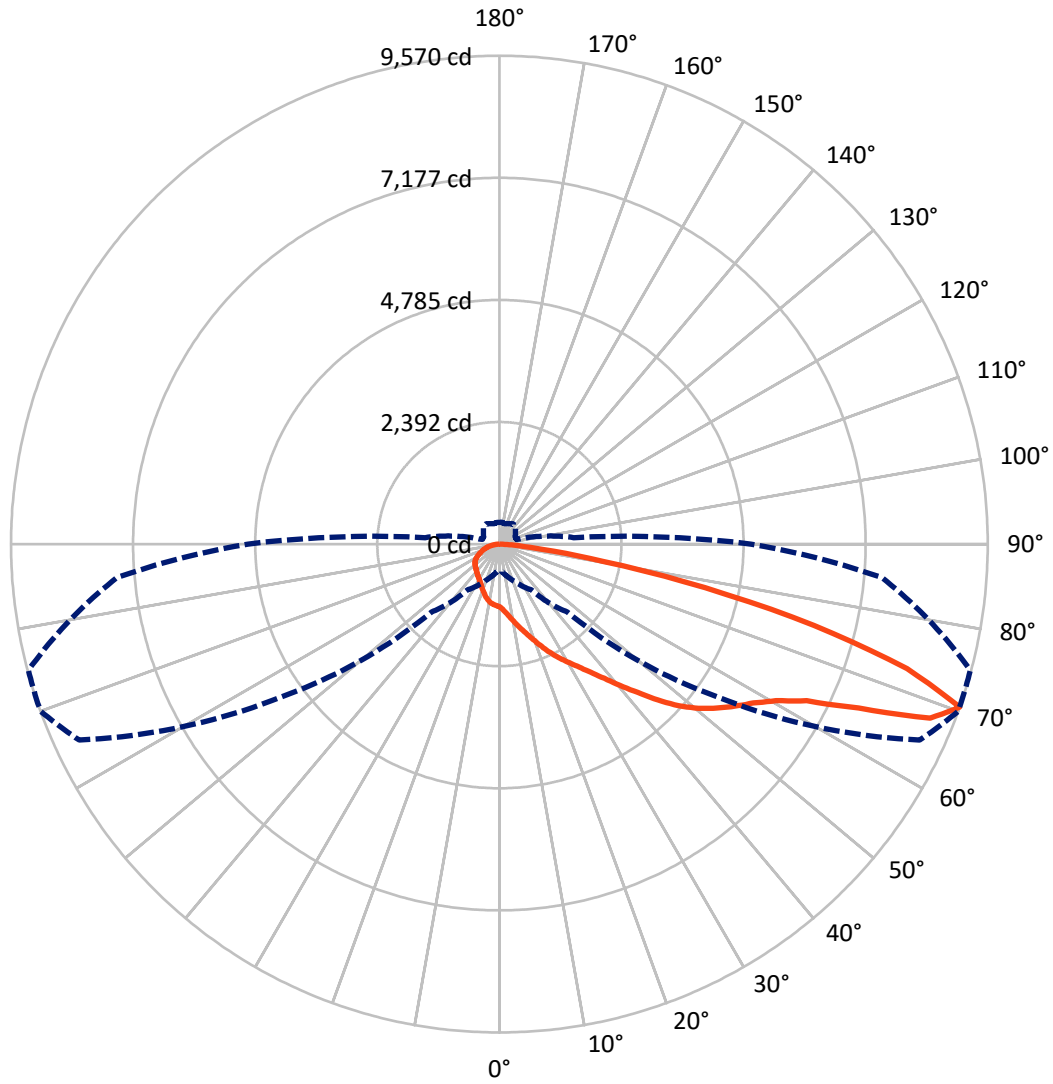
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.4 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
<b>House Side</b>	Lumens	1891.7	0.0	1891.7
	% Fixture	17.9	0.0	17.9
<b>Street Side</b>	Lumens	8664.6	0.0	8664.6
	% Fixture	82.1	0.0	82.1
<b>Total</b>	Lumens	10556.3	0.0	10556.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	125.1	1.2
10°-20°	407.0	3.9
20°-30°	721.1	6.8
30°-40°	1085.2	10.3
40°-50°	1641.8	15.6
50°-60°	2352.0	22.3
60°-70°	2599.9	24.6
70°-80°	1467.2	13.9
80°-90°	156.9	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°	10556.3	100.0
0°-180°	10556.3	100.0

**Coefficient of Utilization**



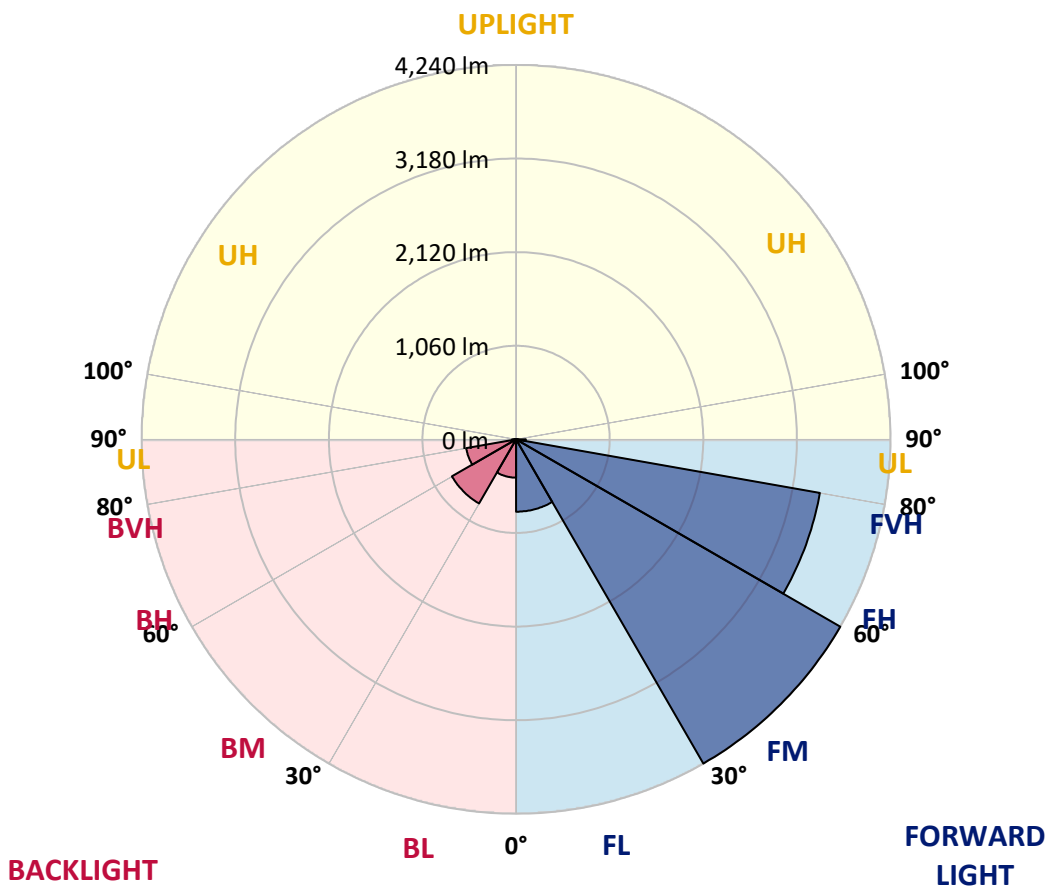
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	819.5	7.8			
FM (30°-60°)	4240.5	40.2			
FH (60°-80°)	3493.7	33.1			G2/5000
FVH (80°-90°)	110.9	1.1			G2/225
BL (0°-30°)	433.7	4.1	B1/500		
BM (30°-60°)	838.6	7.9	B1/1000		
BH (60°-80°)	573.4	5.4	B2/1000		G2/1000
BVH (80°-90°)	46.0	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-G2**  
 Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	1231.1	1231.1	1231.1	1231.1	1231.1	1231.1	1231.1	1231.1	1231.1	1231.1	1231.1
2.5°	1363.8	1361.5	1363.0	1361.5	1353.1	1332.5	1315.7	1294.4	1279.9	1271.5	1251.7
5°	1524.0	1521.7	1516.4	1508.7	1493.5	1465.2	1423.3	1376.8	1348.5	1327.2	1285.2
7.5°	1639.2	1639.2	1638.4	1629.2	1618.6	1588.8	1539.2	1478.2	1437.0	1400.4	1331.8
10°	1697.9	1701.7	1707.0	1720.0	1717.7	1701.7	1655.2	1589.6	1537.7	1495.0	1392.8
12.5°	1729.9	1732.2	1741.4	1768.1	1795.5	1799.3	1771.9	1703.2	1646.8	1589.6	1460.7
15°	1771.1	1771.9	1784.1	1816.1	1856.5	1897.0	1890.1	1821.5	1763.5	1700.2	1536.2
17.5°	1803.1	1808.5	1830.6	1868.0	1918.3	1974.0	2007.6	1964.9	1893.2	1820.7	1618.6
20°	1814.6	1818.4	1847.4	1904.6	1973.2	2051.8	2126.6	2115.1	2042.7	1957.2	1711.6
22.5°	1855.8	1855.8	1877.1	1925.2	2006.0	2120.5	2241.7	2271.5	2207.4	2107.5	1811.5
25°	1946.5	1943.5	1953.4	1973.2	2034.3	2175.4	2355.4	2444.6	2372.9	2260.8	1911.5
27.5°	2070.9	2069.3	2068.6	2071.6	2092.2	2223.4	2451.5	2606.3	2534.6	2408.0	2000.7
30°	2205.9	2201.3	2211.2	2202.1	2197.5	2280.6	2533.1	2751.2	2695.6	2553.7	2074.7
32.5°	2389.7	2381.3	2379.0	2349.3	2331.0	2369.9	2598.7	2916.0	2871.8	2710.8	2157.8
35°	2632.3	2624.6	2585.7	2538.4	2484.3	2502.6	2680.3	3076.9	3080.0	2907.6	2266.9
37.5°	2877.1	2878.6	2848.1	2736.8	2681.1	2670.4	2804.6	3273.0	3338.6	3142.5	2408.0
40°	3080.8	3089.9	3089.9	2972.4	2889.3	2879.4	2979.3	3505.6	3636.0	3430.9	2586.5
42.5°	3235.6	3244.0	3270.7	3186.0	3098.3	3132.6	3191.4	3739.0	3973.2	3787.1	2812.3
45°	3405.7	3412.6	3427.0	3378.2	3327.1	3418.7	3431.6	4018.2	4359.1	4186.8	3074.7
47.5°	3631.5	3625.4	3626.9	3591.0	3551.4	3699.4	3696.3	4253.1	4732.1	4624.6	3359.2
50°	3912.2	3923.6	3912.9	3842.0	3795.5	3930.5	3948.0	4513.2	5060.1	5057.8	3646.0
52.5°	4182.2	4186.8	4243.2	4246.2	4150.9	4122.7	4168.4	4775.6	5337.0	5454.4	3921.3
55°	4195.9	4213.4	4382.8	4504.8	4658.9	4432.4	4391.2	5025.8	5604.7	5842.7	4207.3
57.5°	3903.8	3932.0	4219.5	4482.7	4911.4	4964.0	4772.5	5349.2	5872.4	6224.8	4538.4
60°	3279.8	3338.6	3729.1	4131.8	4797.7	5346.1	5552.8	5788.5	6224.1	6615.4	4940.4
62.5°	2094.5	2117.4	2665.1	3339.3	4285.9	5308.8	6402.5	6562.7	6759.5	7124.1	5559.7
65°	1048.8	1122.0	1443.1	1993.1	3090.7	4678.0	6832.0	7980.7	7739.7	7995.2	6563.5
67.5°	711.6	735.3	897.8	1197.5	1812.3	3314.2	6565.8	9175.2	9104.2	9146.2	7633.6
70°	524.8	540.0	668.2	848.2	1096.1	1881.7	5227.1	9085.1	9569.5	9554.2	7521.5
72.5°	382.9	390.5	487.4	647.6	812.3	973.3	3192.1	7339.2	8353.7	8793.8	6578.0
75°	278.4	287.6	338.7	484.3	631.6	607.2	1575.8	5301.1	6370.5	7217.2	5359.1
77.5°	207.5	218.9	242.6	303.6	442.4	434.8	681.1	3442.3	4120.4	4713.8	3255.4
80°	149.5	151.8	165.5	194.5	280.7	254.8	324.2	1794.8	2057.9	2254.7	1276.1
82.5°	90.8	93.1	110.6	119.8	173.9	160.2	168.6	581.2	832.9	884.0	476.7
85°	26.7	28.2	50.3	54.9	72.5	68.6	67.9	236.5	282.2	360.8	187.6
87.5°	0.0	0.0	0.0	0.0	0.8	4.6	8.4	42.0	63.3	87.7	45.8
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°	1231.1	1231.1	1231.1	1231.1	1231.1	1231.1	1231.1	1231.1	1231.1	1231.1	1231.1
2.5°	1244.0	1226.5	1217.4	1201.3	1189.9	1178.5	1167.0	1156.3	1151.8	1144.9	1146.4
5°	1266.2	1238.7	1211.3	1180.0	1153.3	1131.2	1111.3	1093.8	1086.2	1079.3	1082.3
7.5°	1299.7	1258.5	1205.9	1148.7	1106.8	1076.2	1055.7	1043.4	1039.6	1034.3	1034.3
10°	1342.4	1280.7	1188.4	1106.8	1056.4	1032.0	1022.9	1022.1	1025.9	1026.7	1025.1
12.5°	1389.7	1302.0	1162.4	1057.2	1014.5	1006.8	1013.7	1026.7	1039.6	1046.5	1045.0
15°	1438.6	1315.7	1118.2	1009.9	984.0	993.9	1016.0	1041.9	1067.1	1080.1	1079.3
17.5°	1484.3	1318.8	1061.0	964.1	957.3	982.4	1020.6	1061.0	1095.3	1113.6	1114.4
20°	1535.4	1313.5	1002.3	922.9	930.6	971.7	1022.1	1070.9	1111.3	1129.6	1134.2
22.5°	1581.9	1295.2	945.1	884.0	907.7	958.8	1009.9	1055.7	1091.5	1109.0	1115.1
25°	1623.9	1260.1	882.5	851.2	890.1	940.5	979.4	1011.4	1036.6	1047.3	1055.7
27.5°	1646.8	1207.4	835.2	825.3	873.4	914.5	935.9	945.8	954.2	951.2	957.3
30°	1651.4	1141.8	794.0	804.7	848.2	878.7	883.3	873.4	858.9	835.2	840.6
32.5°	1646.8	1066.3	759.7	782.6	820.0	838.3	832.2	806.2	771.1	734.5	736.8
35°	1648.3	990.1	731.5	758.2	787.2	797.1	781.8	746.0	708.6	675.0	673.5
37.5°	1665.1	926.0	707.8	734.5	755.1	756.7	739.9	702.5	683.4	658.3	655.2
40°	1711.6	878.7	686.5	710.9	723.9	723.1	704.0	677.3	690.3	681.9	679.6
42.5°	1787.9	849.7	668.9	685.7	694.9	696.4	681.1	664.4	692.6	681.9	678.1
45°	1910.7	848.2	656.7	660.5	675.0	685.7	675.0	656.0	666.6	614.8	604.9
47.5°	2056.4	874.1	647.6	638.4	663.6	682.7	665.9	635.4	613.3	566.0	559.1
50°	2231.8	926.7	639.2	614.8	646.8	671.2	654.4	612.5	578.9	553.8	549.9
52.5°	2440.0	996.2	628.5	588.1	621.6	665.1	654.4	610.2	566.0	543.1	539.3
55°	2658.2	1076.2	616.3	556.0	593.4	666.6	659.8	594.2	556.0	543.8	540.8
57.5°	2929.0	1172.4	594.2	518.7	568.3	652.9	638.4	585.0	549.2	539.3	536.2
60°	3280.6	1315.0	552.2	480.5	539.3	628.5	619.4	569.8	530.9	522.5	520.2
62.5°	3837.4	1556.8	501.1	443.9	504.9	577.4	591.1	540.8	508.0	507.2	506.5
65°	4745.1	1847.4	440.9	411.1	469.1	535.5	553.8	511.0	484.3	492.7	492.0
67.5°	5381.2	1872.6	391.3	376.8	427.1	489.7	516.4	480.5	451.5	467.6	466.8
70°	4928.9	1460.7	348.6	341.0	382.1	440.1	476.0	442.4	413.4	428.7	425.6
72.5°	4157.0	1119.7	308.2	303.6	336.4	388.2	424.1	404.3	373.7	373.7	366.9
75°	3340.9	923.7	265.4	263.1	285.3	335.6	376.0	342.5	314.3	312.7	308.2
77.5°	1916.0	605.6	222.7	221.2	228.1	280.7	292.1	285.3	263.9	254.0	250.9
80°	763.5	315.0	175.4	165.5	172.4	205.9	230.4	218.9	200.6	188.4	181.5
82.5°	295.9	157.9	123.6	108.3	118.2	148.7	167.0	163.2	151.0	123.6	115.9
85°	120.5	77.0	74.0	62.5	68.6	80.1	96.1	83.1	68.6	48.8	46.5
87.5°	32.0	28.2	27.5	16.8	13.0	3.8	0.8	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)