

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: P632457

Luminaire Tested: GWS-SA2C-760-U-T4W-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632457
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-52)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-760-U-T4W-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9257.6 lumens
Efficiency: N/A
Efficacy: 146.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

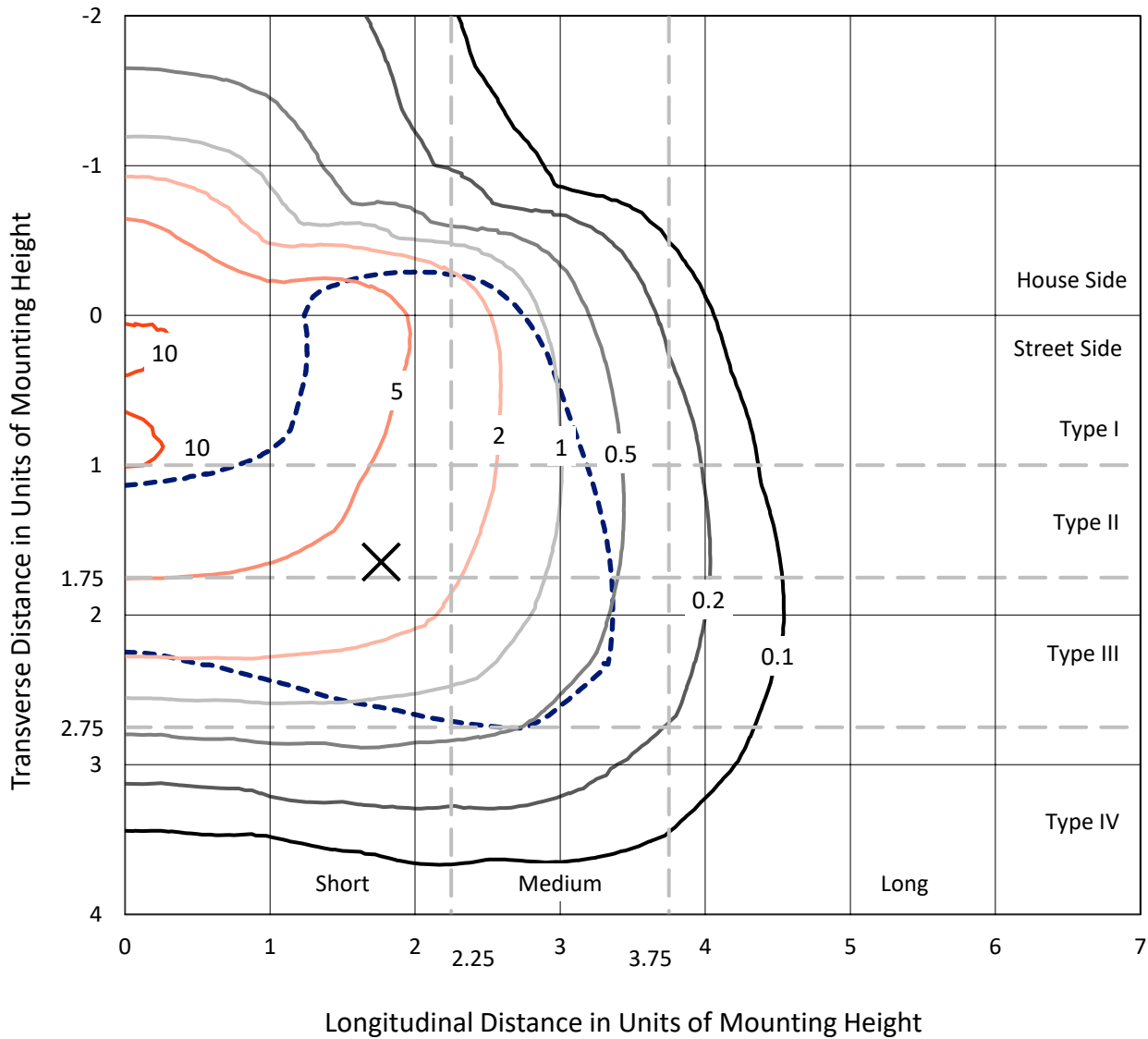
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

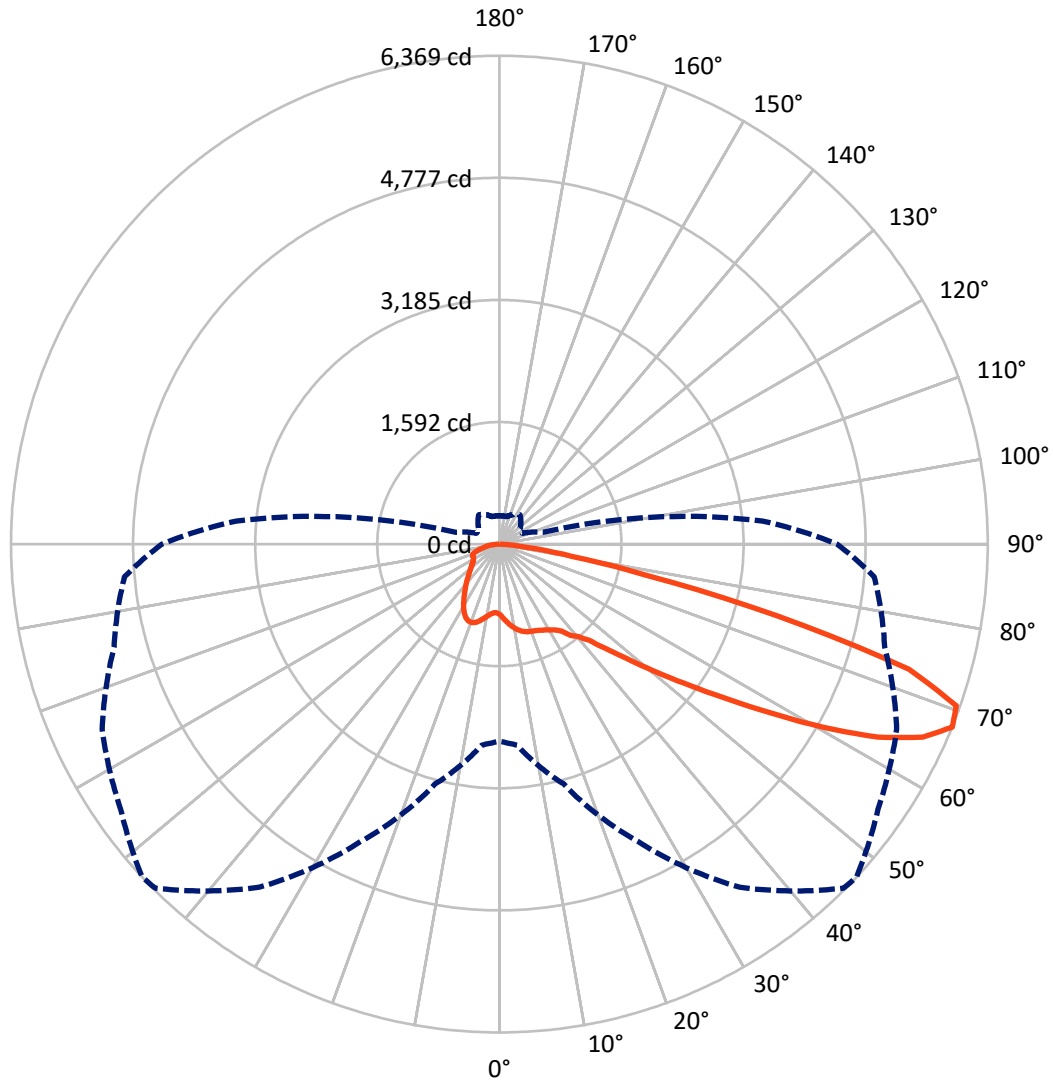
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2109.9	0.0	2109.9
	% Fixture	22.8	0.0	22.8
Street Side	Lumens	7147.7	0.0	7147.7
	% Fixture	77.2	0.0	77.2
Total	Lumens	9257.6	0.0	9257.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.8	1.0
10°-20°	312.5	3.4
20°-30°	531.1	5.7
30°-40°	778.1	8.4
40°-50°	1185.5	12.8
50°-60°	2121.0	22.9
60°-70°	2830.3	30.6
70°-80°	1279.9	13.8
80°-90°	125.4	1.4
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°	9257.6	100.0
0°-180°	9257.6	100.0

Coefficient of Utilization



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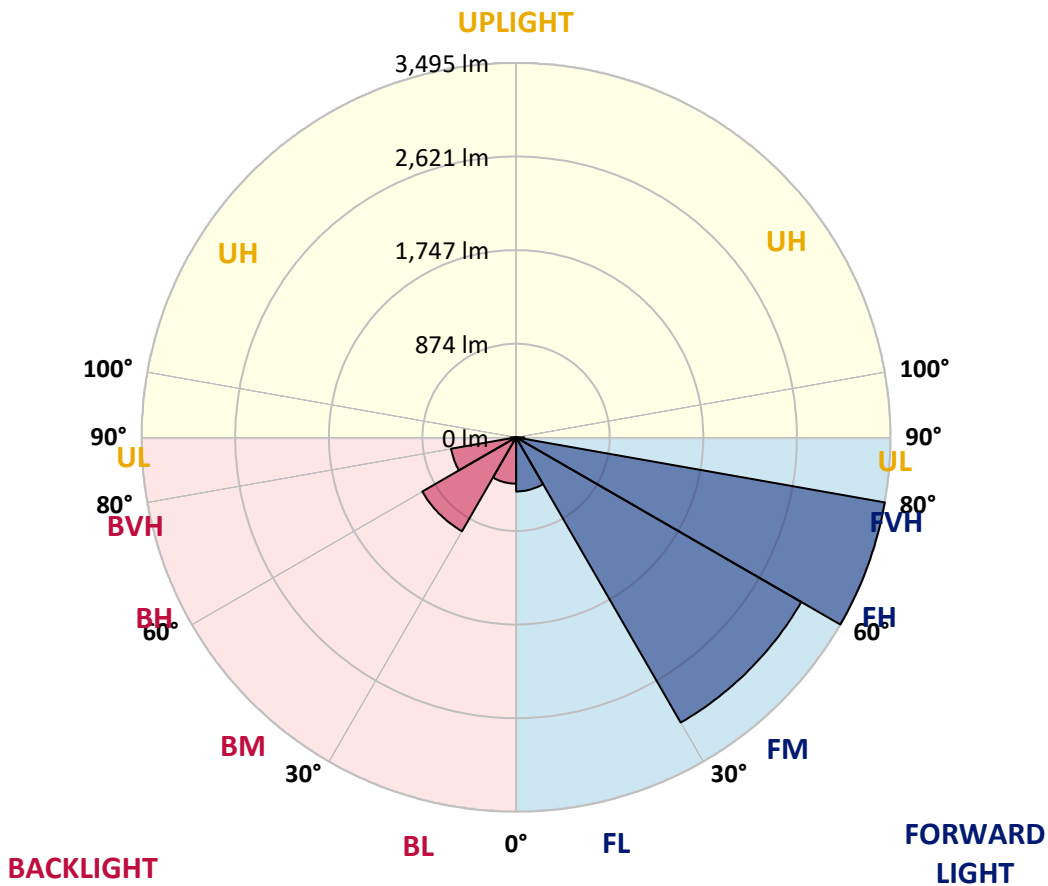
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	504.9	5.5			
FM (30°-60°)	3073.6	33.2			
FH (60°-80°)	3494.6	37.7			G2/5000
FVH (80°-90°)	74.6	0.8			G1/100
BL (0°-30°)	432.5	4.7	B1/500		
BM (30°-60°)	1010.9	10.9	B2/2500		
BH (60°-80°)	615.6	6.6	B2/1000		G2/1000
BVH (80°-90°)	50.8	0.5			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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	917.7	917.7	917.7	917.7	917.7	917.7	917.7	917.7	917.7	917.7	917.7
2.5°	978.6	982.0	981.3	976.0	972.6	966.6	967.3	957.9	943.8	934.5	923.7
5°	1065.0	1070.3	1063.6	1054.9	1041.6	1022.1	1020.1	998.7	971.9	953.2	933.8
7.5°	1140.0	1143.3	1135.3	1120.5	1101.1	1075.0	1070.3	1044.9	1011.4	982.0	953.9
10°	1198.2	1202.2	1191.5	1172.1	1146.6	1120.5	1117.2	1091.1	1055.6	1020.8	985.3
12.5°	1247.7	1249.1	1237.7	1211.6	1184.1	1157.4	1154.0	1129.9	1097.1	1061.6	1022.8
15°	1276.5	1277.2	1263.1	1234.3	1208.2	1184.8	1182.8	1162.0	1131.9	1098.5	1057.0
17.5°	1274.5	1275.8	1265.8	1240.4	1217.6	1203.5	1201.5	1188.2	1164.7	1134.6	1093.1
20°	1249.7	1251.1	1244.4	1227.6	1215.6	1211.6	1212.2	1208.2	1194.2	1169.4	1127.2
22.5°	1230.3	1232.3	1226.3	1214.3	1212.9	1222.3	1224.3	1226.3	1219.6	1197.5	1156.7
25°	1239.7	1243.0	1233.7	1216.9	1219.6	1240.4	1244.4	1251.1	1245.7	1227.0	1191.5
27.5°	1304.6	1306.6	1282.5	1248.4	1240.4	1262.5	1268.5	1279.2	1275.2	1257.8	1230.3
30°	1455.2	1453.9	1402.4	1318.7	1285.2	1293.9	1298.6	1314.0	1315.3	1304.0	1277.8
32.5°	1667.4	1660.7	1581.1	1447.9	1350.8	1329.4	1334.7	1355.5	1370.9	1358.8	1323.4
35°	1891.7	1885.6	1798.0	1642.0	1472.0	1397.7	1391.6	1407.7	1431.1	1397.7	1346.8
37.5°	2105.2	2095.8	2006.1	1813.4	1621.2	1517.5	1508.8	1492.7	1478.7	1414.4	1375.6
40°	2342.2	2331.5	2253.1	2034.9	1785.9	1609.2	1587.1	1523.5	1510.8	1470.0	1450.5
42.5°	2595.2	2595.2	2530.3	2315.4	1984.7	1740.4	1711.6	1615.9	1629.3	1602.5	1579.7
45°	2848.2	2855.6	2804.0	2597.9	2250.5	1988.1	1941.9	1806.0	1838.1	1826.1	1814.7
47.5°	3063.8	3077.8	3067.8	2886.4	2575.8	2289.3	2219.0	2077.8	2146.7	2175.5	2207.6
50°	3296.0	3311.4	3301.4	3229.8	2956.7	2654.1	2591.2	2445.2	2563.7	2650.1	2755.2
52.5°	3640.8	3662.9	3579.2	3551.7	3419.2	3068.4	3012.2	2846.2	3061.1	3204.3	3438.6
55°	3931.9	3931.3	3901.8	3964.7	3915.9	3575.2	3512.9	3362.3	3636.7	3788.7	4131.4
57.5°	4067.2	4083.2	4184.3	4362.4	4460.1	4194.3	4134.8	3980.8	4254.6	4333.6	4703.7
60°	4136.8	4156.9	4352.3	4704.4	4967.5	4870.4	4847.0	4650.9	4804.8	4795.4	5186.4
62.5°	4039.0	4079.2	4393.1	4861.0	5329.6	5549.8	5542.5	5245.9	5272.7	5181.0	5485.6
65°	3590.6	3634.1	4126.7	4782.7	5536.4	6066.6	6068.6	5784.8	5632.2	5368.4	5435.4
67.5°	2567.7	2630.0	3239.1	4279.4	5463.5	6345.7	6369.2	6029.1	5716.5	5202.4	4907.9
70°	1399.7	1445.2	1922.5	3110.6	4806.2	6278.8	6322.3	5911.3	5344.3	4500.2	3778.0
72.5°	635.9	650.6	894.3	1706.9	3283.3	5404.6	5586.7	5275.4	4389.1	3324.1	2402.4
75°	291.2	297.9	389.6	816.6	1715.6	3616.7	3744.5	3929.3	3054.4	2099.2	1252.4
77.5°	182.7	184.7	221.6	373.5	855.5	1805.3	1939.9	2339.5	1788.6	1038.9	523.5
80°	107.8	109.8	137.9	202.2	401.6	826.0	953.9	925.1	840.7	448.5	238.3
82.5°	54.2	56.2	79.7	115.1	218.9	328.7	386.9	388.9	313.3	243.0	134.5
85°	19.4	20.1	26.1	45.5	93.0	108.4	121.2	147.9	153.3	141.2	64.9
87.5°	0.0	0.0	0.7	1.3	2.7	10.7	11.4	21.4	44.8	50.2	26.1
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°	917.7	917.7	917.7	917.7	917.7	917.7	917.7	917.7	917.7	917.7	917.7
2.5°	920.4	910.4	907.0	903.7	898.3	896.3	892.3	888.3	888.3	884.3	882.2
5°	925.1	911.7	903.0	899.0	895.6	897.6	897.6	899.0	903.7	901.0	902.3
7.5°	941.8	926.4	914.4	911.0	911.0	919.1	924.4	931.1	939.8	941.1	941.1
10°	971.3	953.2	940.5	938.5	941.8	953.2	961.2	969.3	980.0	980.6	982.0
12.5°	1003.4	985.3	972.6	975.3	978.6	993.4	1002.1	1008.8	1019.5	1019.5	1018.8
15°	1036.9	1016.8	1006.1	1011.4	1021.5	1038.2	1039.5	1040.2	1045.6	1044.2	1043.6
17.5°	1071.7	1050.3	1042.2	1050.3	1061.0	1069.0	1062.3	1052.9	1050.9	1048.3	1046.9
20°	1105.8	1083.7	1080.4	1086.4	1089.8	1083.1	1062.3	1044.9	1036.9	1032.9	1031.5
22.5°	1135.3	1116.5	1114.5	1114.5	1097.8	1074.4	1043.6	1020.1	1009.4	1004.1	1002.7
25°	1170.1	1152.7	1149.3	1131.3	1088.4	1045.6	1004.1	982.7	973.9	971.3	971.9
27.5°	1210.9	1198.9	1188.2	1136.6	1061.6	994.7	947.8	938.5	935.1	938.5	940.5
30°	1261.1	1249.1	1225.0	1129.9	1018.8	928.4	883.6	882.9	893.0	901.7	903.0
32.5°	1301.9	1296.6	1257.1	1108.5	958.6	855.5	817.3	820.0	838.1	850.1	852.1
35°	1334.1	1342.8	1283.9	1073.0	886.9	786.5	756.4	757.7	767.8	784.5	785.2
37.5°	1379.6	1409.0	1308.0	1018.8	804.6	726.9	699.5	689.5	688.1	692.8	694.1
40°	1471.3	1515.5	1325.4	939.8	724.9	673.4	642.6	623.2	606.5	593.7	589.7
42.5°	1609.9	1660.7	1335.4	844.1	654.0	620.5	585.7	560.9	531.5	504.7	495.3
45°	1864.2	1881.0	1335.4	742.3	591.1	571.0	536.2	506.7	469.2	437.8	431.1
47.5°	2271.2	2217.7	1336.8	643.9	535.5	527.5	497.3	463.9	422.4	396.3	392.3
50°	2884.4	2696.3	1364.2	562.3	489.3	490.7	468.6	431.8	394.3	374.9	371.5
52.5°	3579.2	3286.0	1437.8	502.0	450.5	460.5	448.5	413.0	379.5	362.8	359.5
55°	4232.5	3828.2	1500.8	459.2	417.7	435.1	434.4	401.6	371.5	354.8	352.8
57.5°	4788.1	4199.7	1491.4	424.4	389.6	411.7	421.7	394.3	366.2	352.1	350.1
60°	5133.5	4396.5	1358.2	392.3	368.2	394.9	414.3	392.3	368.8	365.5	366.2
62.5°	5283.4	4360.3	1102.5	368.2	354.1	386.9	422.4	406.3	393.6	401.6	406.3
65°	5050.5	4049.8	811.3	350.1	340.7	388.9	441.1	428.4	393.6	399.0	401.0
67.5°	4403.9	3447.3	586.4	332.0	324.0	394.9	467.9	425.1	370.8	370.8	366.8
70°	3173.5	2479.4	425.7	313.9	307.2	386.2	469.2	402.3	344.7	342.7	332.7
72.5°	1909.7	1462.6	332.0	293.9	281.8	342.7	439.8	375.5	319.3	302.6	290.5
75°	992.0	733.0	278.5	271.8	241.6	290.5	402.3	334.0	273.1	258.4	251.7
77.5°	425.1	342.7	239.0	242.3	200.8	244.3	324.6	289.2	242.3	223.6	217.5
80°	209.5	194.8	188.8	194.1	160.7	188.8	279.8	253.0	205.5	184.1	175.4
82.5°	119.8	113.8	135.9	137.9	114.5	158.0	236.3	214.2	170.0	146.6	132.5
85°	55.6	59.6	82.3	83.0	71.0	108.4	154.6	120.5	90.4	75.0	71.6
87.5°	22.1	26.1	36.1	35.5	20.8	20.1	13.4	7.4	6.0	5.4	4.7
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)