

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: P630844

Luminaire Tested: GWS-SA1E-740-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630844
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-740-U-T2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSALLED GLARE SHIELD, WH
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6317.6 lumens
Efficiency: N/A
Efficacy: 108.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

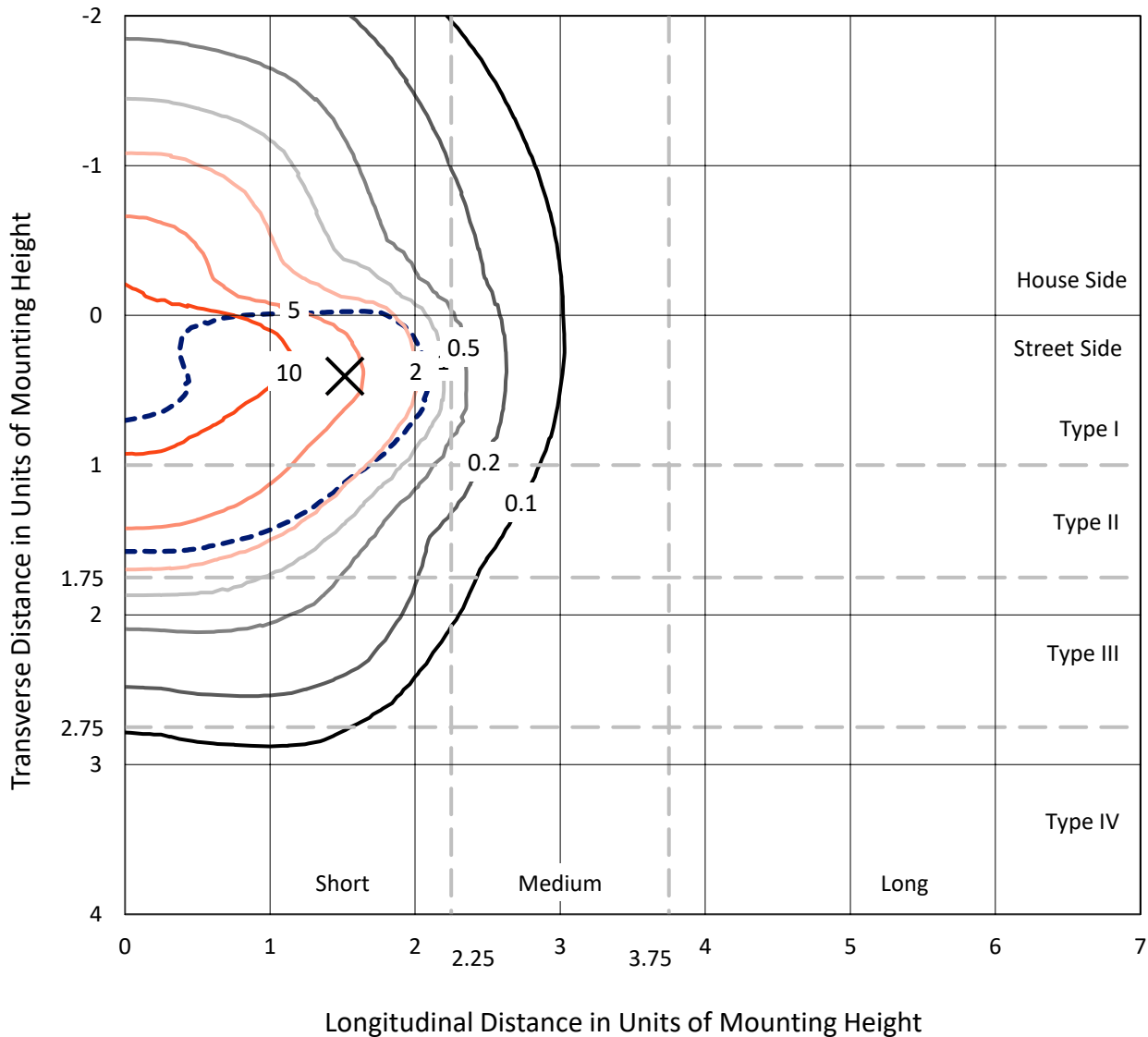
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

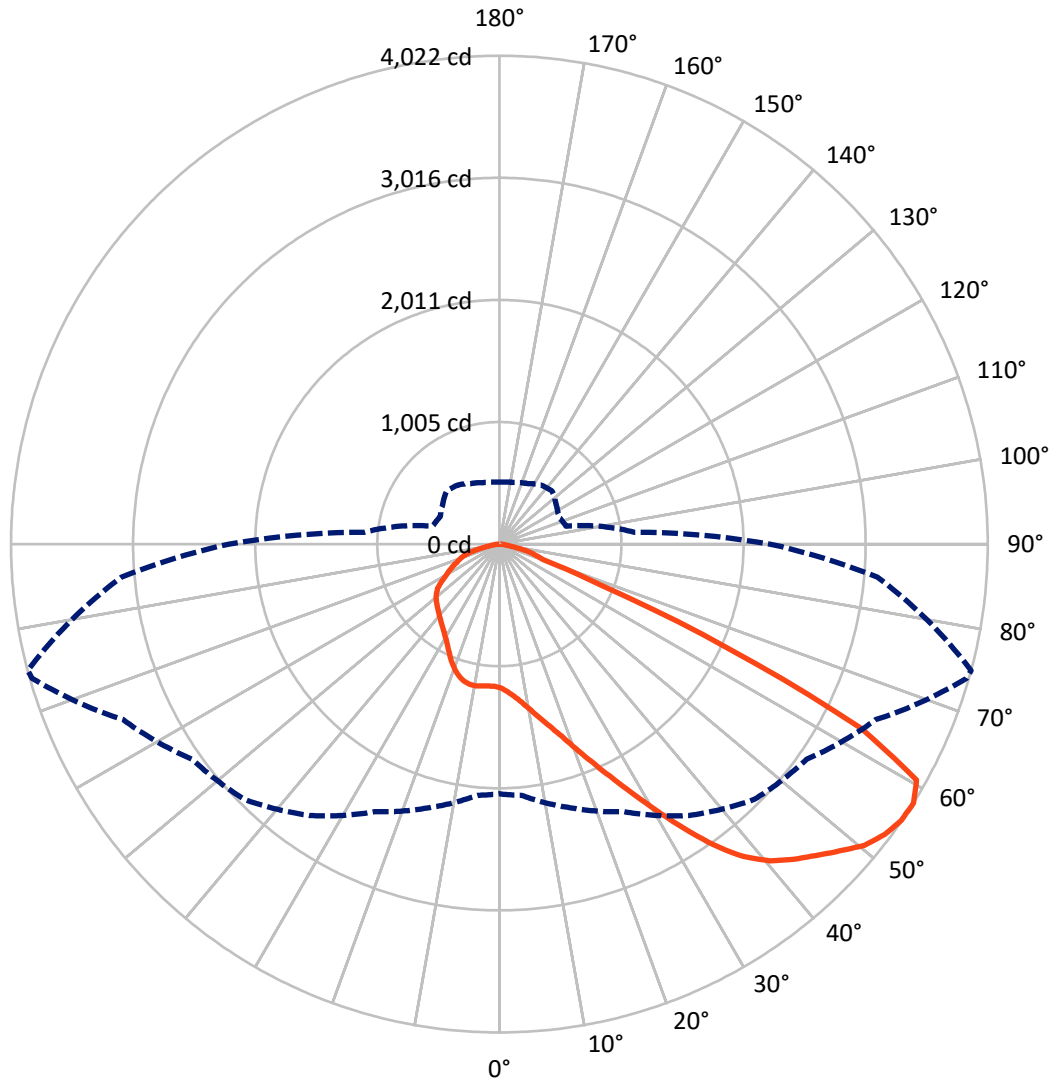
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1709.0	0.0	1709.0
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	4608.6	0.0	4608.6
	% Fixture	72.9	0.0	72.9
Total	Lumens	6317.6	0.0	6317.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.4	1.9
10°-20°	376.9	6.0
20°-30°	668.5	10.6
30°-40°	1023.4	16.2
40°-50°	1425.0	22.6
50°-60°	1632.7	25.8
60°-70°	838.9	13.3
70°-80°	211.2	3.3
80°-90°	22.6	0.4
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°	6317.6	100.0
0°-180°	6317.6	100.0

Coefficient of Utilization



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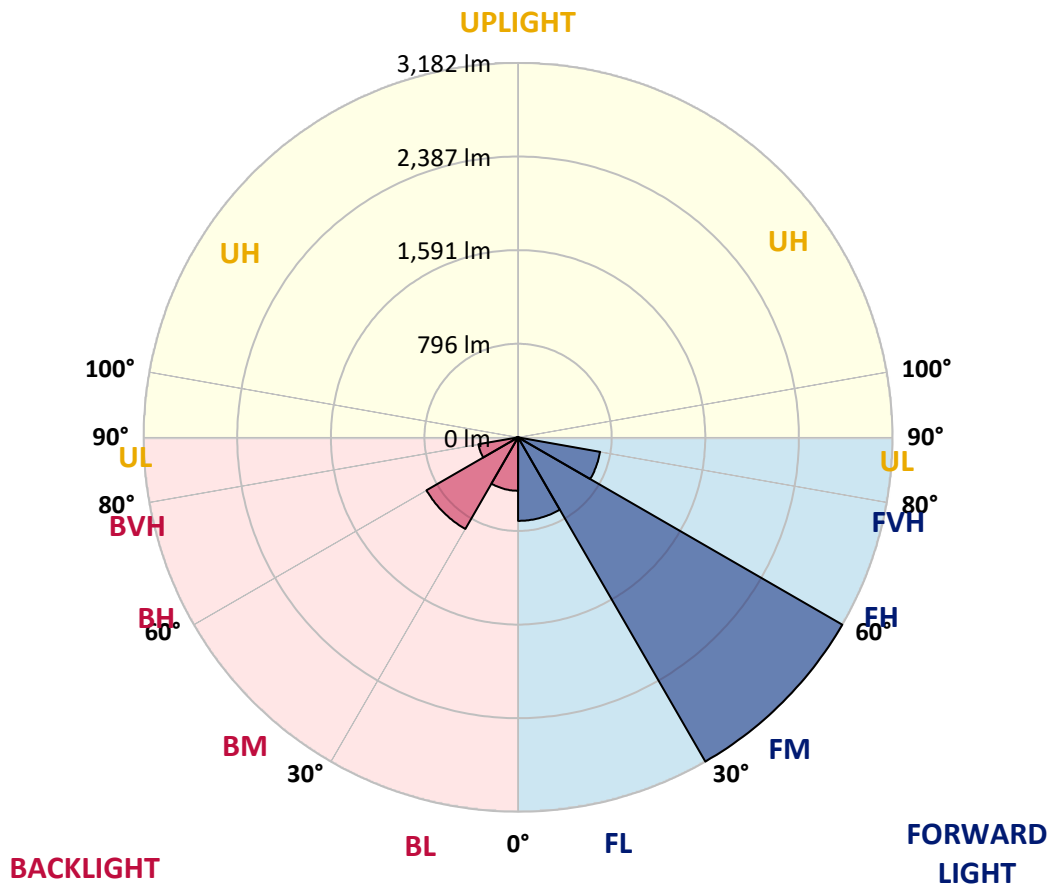
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	709.8	11.2			
FM (30°-60°)	3182.3	50.4			
FH (60°-80°)	708.1	11.2			G1/1800
FVH (80°-90°)	8.4	0.1			G0/10
BL (0°-30°)	454.0	7.2	B1/500		
BM (30°-60°)	898.8	14.2	B1/1000		
BH (60°-80°)	342.0	5.4	B1/500		G1/500
BVH (80°-90°)	14.2	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1183.1	1183.1	1183.1	1183.1	1183.1	1183.1	1183.1	1183.1	1183.1	1183.1	1183.1
2.5°	1271.1	1274.4	1271.1	1276.6	1265.7	1260.8	1248.9	1230.9	1216.8	1214.6	1198.9
5°	1370.0	1377.1	1372.7	1370.5	1355.9	1345.0	1327.1	1291.2	1261.9	1257.6	1226.6
7.5°	1433.6	1438.4	1438.4	1440.1	1434.6	1422.2	1403.1	1360.8	1319.5	1313.0	1266.2
10°	1454.7	1458.5	1465.6	1479.2	1490.1	1493.9	1481.4	1440.6	1390.1	1383.6	1318.4
12.5°	1459.6	1464.0	1474.8	1499.8	1529.7	1556.9	1559.0	1529.2	1472.7	1465.6	1378.7
15°	1468.9	1473.2	1487.9	1518.8	1562.8	1615.0	1647.0	1626.4	1563.9	1556.3	1447.1
17.5°	1467.8	1472.7	1494.4	1535.7	1594.9	1670.4	1732.3	1741.0	1676.4	1663.3	1524.8
20°	1465.1	1469.4	1492.8	1543.3	1616.6	1720.4	1832.3	1877.4	1807.8	1795.9	1615.5
22.5°	1486.8	1491.7	1509.6	1551.4	1628.0	1758.9	1924.6	2033.3	1963.7	1946.9	1719.8
25°	1535.7	1542.7	1553.6	1582.4	1648.7	1793.2	2019.2	2209.8	2138.7	2118.6	1833.4
27.5°	1611.2	1619.9	1635.1	1648.7	1694.8	1836.6	2113.1	2407.6	2336.4	2315.2	1953.4
30°	1703.5	1714.9	1734.5	1743.7	1775.2	1900.7	2215.3	2611.3	2570.0	2540.6	2088.7
32.5°	1831.2	1847.0	1865.4	1868.1	1887.1	1998.0	2316.3	2813.3	2812.8	2792.2	2242.4
35°	1997.4	2014.3	2018.1	2021.9	2031.1	2131.6	2438.5	2997.5	3068.7	3044.8	2409.7
37.5°	2178.9	2203.3	2209.3	2192.4	2205.5	2292.4	2576.0	3145.2	3291.4	3265.8	2571.6
40°	2372.8	2382.6	2398.9	2372.2	2388.5	2476.5	2710.7	3239.8	3457.6	3430.4	2699.3
42.5°	2511.9	2529.8	2554.2	2544.4	2553.7	2634.1	2805.2	3285.4	3576.0	3548.9	2791.1
45°	2662.9	2668.3	2684.1	2681.9	2687.3	2762.3	2873.1	3305.5	3682.0	3657.5	2869.3
47.5°	2794.3	2802.5	2812.8	2800.8	2788.9	2837.8	2928.5	3322.9	3804.2	3774.8	2951.3
50°	2920.9	2928.0	2940.5	2905.7	2861.1	2873.6	2955.7	3346.8	3918.8	3898.2	3016.0
52.5°	2944.3	2951.9	3010.5	3017.6	2960.6	2916.6	3003.5	3399.5	3986.2	3973.1	3039.3
55°	2650.4	2664.0	2780.7	2914.9	3055.6	3041.5	3080.1	3427.2	4012.8	4016.0	3081.1
57.5°	2057.2	2076.7	2247.3	2431.5	2727.5	2972.5	3089.8	3420.1	4003.5	4021.5	3124.1
60°	1349.4	1360.8	1562.8	1769.3	2076.2	2415.2	2765.5	3293.0	3921.5	3947.0	3113.2
62.5°	814.8	827.9	990.3	1146.7	1327.6	1554.2	1875.7	2646.6	3287.0	3344.1	2493.4
65°	568.8	586.1	728.5	857.2	919.7	873.0	950.1	1478.1	2047.9	2071.8	1523.7
67.5°	412.3	424.3	541.0	694.2	763.2	616.6	469.9	654.6	892.0	900.7	628.5
70°	270.0	283.6	389.5	528.6	623.1	499.8	351.5	354.2	375.4	379.7	365.0
72.5°	148.3	156.4	240.6	350.9	368.3	298.8	274.3	294.4	309.1	309.1	312.9
75°	76.6	83.7	98.3	115.7	139.6	163.5	197.7	227.6	243.4	244.4	242.8
77.5°	39.1	41.8	52.7	57.0	62.5	72.8	94.5	121.1	135.3	140.7	139.6
80°	18.5	19.6	22.3	26.1	32.1	40.7	51.1	60.8	69.5	70.6	76.6
82.5°	9.8	10.9	12.0	14.1	17.4	21.7	29.9	35.9	41.3	42.4	47.3
85°	3.8	4.3	4.9	5.4	7.6	9.2	12.5	16.8	20.6	20.6	24.4
87.5°	0.0	0.0	0.0	0.0	0.5	1.1	2.2	2.7	3.8	3.8	6.5
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°	1183.1	1183.1	1183.1	1183.1	1183.1	1183.1	1183.1	1183.1	1183.1	1183.1	1183.1
2.5°	1195.1	1179.3	1172.3	1160.9	1151.6	1141.3	1133.2	1127.2	1123.4	1121.2	1119.0
5°	1214.6	1190.7	1171.7	1148.9	1133.2	1117.9	1105.5	1096.8	1092.4	1089.2	1087.0
7.5°	1245.1	1213.0	1177.2	1141.9	1114.1	1089.7	1073.9	1064.7	1058.7	1056.6	1054.9
10°	1286.9	1242.3	1183.1	1127.2	1085.9	1059.3	1048.4	1044.1	1044.6	1043.5	1043.0
12.5°	1334.2	1273.3	1181.5	1101.1	1055.5	1039.7	1040.3	1047.3	1055.5	1057.7	1058.2
15°	1385.2	1303.7	1165.8	1067.4	1031.6	1033.2	1047.3	1064.2	1079.4	1085.4	1086.4
17.5°	1440.6	1329.3	1137.0	1030.5	1012.0	1029.4	1055.5	1083.2	1105.5	1115.2	1117.9
20°	1502.5	1351.0	1096.2	994.1	993.6	1022.3	1060.4	1096.8	1125.0	1138.0	1140.2
22.5°	1568.3	1364.6	1046.2	960.4	974.5	1013.1	1056.6	1094.6	1124.5	1137.5	1140.2
25°	1634.6	1368.9	991.4	929.5	955.0	998.4	1038.1	1068.5	1096.8	1108.2	1110.3
27.5°	1696.5	1356.4	939.2	902.8	937.1	976.7	1003.3	1019.6	1039.2	1047.9	1049.5
30°	1759.5	1331.4	895.2	881.6	917.0	946.8	958.8	959.9	967.5	967.5	968.6
32.5°	1823.0	1294.5	856.7	861.0	892.0	911.5	913.2	900.7	891.4	876.2	875.7
35°	1896.4	1257.0	825.2	837.6	862.6	874.6	869.7	845.8	823.5	798.5	797.4
37.5°	1964.3	1218.4	798.5	813.7	829.5	838.2	826.8	798.0	779.5	754.0	750.2
40°	2020.2	1183.7	773.0	788.8	796.4	804.0	785.5	762.1	764.9	750.7	750.2
42.5°	2052.8	1150.0	749.1	761.1	765.9	771.4	755.1	737.7	752.4	741.5	742.0
45°	2076.7	1120.7	727.4	731.7	743.7	751.8	736.6	717.1	720.3	678.5	668.7
47.5°	2103.9	1104.4	706.7	702.4	723.6	737.7	714.3	686.1	666.5	625.2	621.4
50°	2132.7	1098.4	685.0	673.1	698.6	712.2	685.0	649.7	624.2	601.9	599.7
52.5°	2142.5	1097.8	657.8	637.7	663.3	682.3	659.5	623.6	593.2	571.5	570.4
55°	2181.0	1113.6	623.1	589.4	613.3	652.4	635.6	584.0	559.5	549.7	548.7
57.5°	2226.1	1116.3	568.2	536.7	569.8	616.0	594.8	550.3	523.7	511.7	510.6
60°	2207.6	1049.5	509.5	496.5	532.9	581.8	562.2	523.7	492.7	481.3	480.2
62.5°	1682.4	741.0	466.6	461.7	493.2	532.4	528.6	488.4	459.0	450.9	449.8
65°	1012.0	520.4	425.3	424.8	447.1	484.6	489.4	456.8	425.9	414.5	414.5
67.5°	500.3	398.2	378.6	375.9	390.0	416.7	437.3	410.7	384.6	373.7	372.1
70°	353.6	350.9	344.4	336.8	339.5	350.4	359.1	336.8	309.1	298.2	296.1
72.5°	305.8	306.4	302.0	296.1	293.9	286.3	278.7	262.4	245.5	234.1	235.2
75°	237.4	238.5	241.2	239.0	233.0	224.9	216.7	196.1	182.5	171.7	169.5
77.5°	138.5	144.0	152.6	150.5	151.6	140.2	136.9	116.8	104.3	96.7	95.1
80°	78.2	81.5	85.3	88.0	84.7	79.9	72.8	61.9	58.1	52.7	51.6
82.5°	47.3	50.5	52.1	54.3	53.2	46.7	41.3	34.2	31.0	28.2	27.7
85°	23.9	26.1	27.7	28.8	25.5	21.2	19.0	15.2	13.0	11.4	11.4
87.5°	6.0	6.5	7.6	6.5	6.0	2.7	2.2	0.5	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)