

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: P639533

Luminaire Tested: GWS-SA5C-722-U-T2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639533
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5C-722-U-T2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (80) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10418.9 lumens
Efficiency: N/A
Efficacy: 66.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

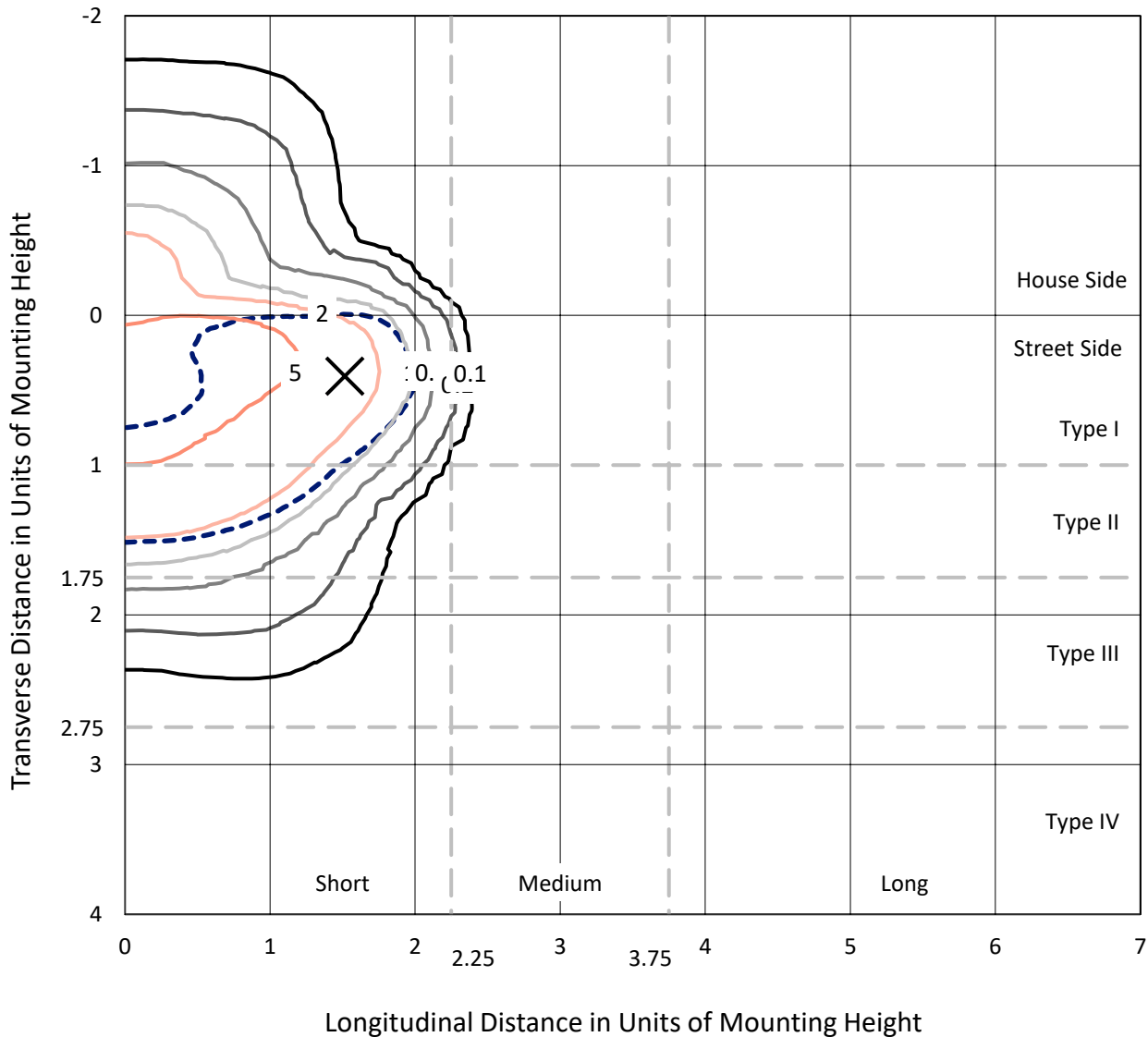
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

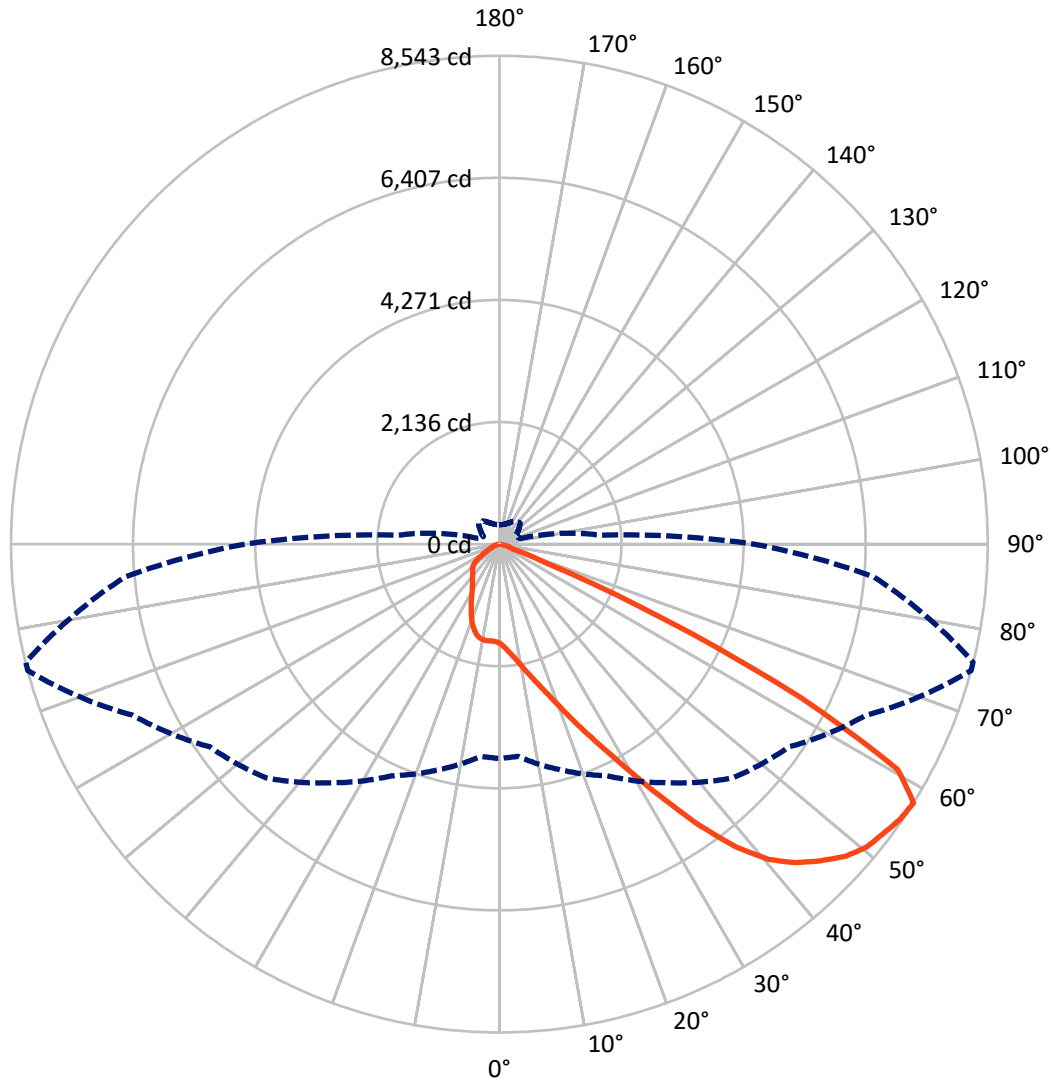
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.1 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	1701.9	0.0	1701.9
	% Fixture	16.3	0.0	16.3
Street Side	Lumens	8717.0	0.0	8717.0
	% Fixture	83.7	0.0	83.7
Total	Lumens	10418.9	0.0	10418.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.8	1.7
10°-20°	574.4	5.5
20°-30°	1051.9	10.1
30°-40°	1745.2	16.8
40°-50°	2665.3	25.6
50°-60°	2994.9	28.7
60°-70°	1104.7	10.6
70°-80°	105.6	1.0
80°-90°	0.1	0.0
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°	10418.9	100.0
0°-180°	10418.9	100.0

Coefficient of Utilization



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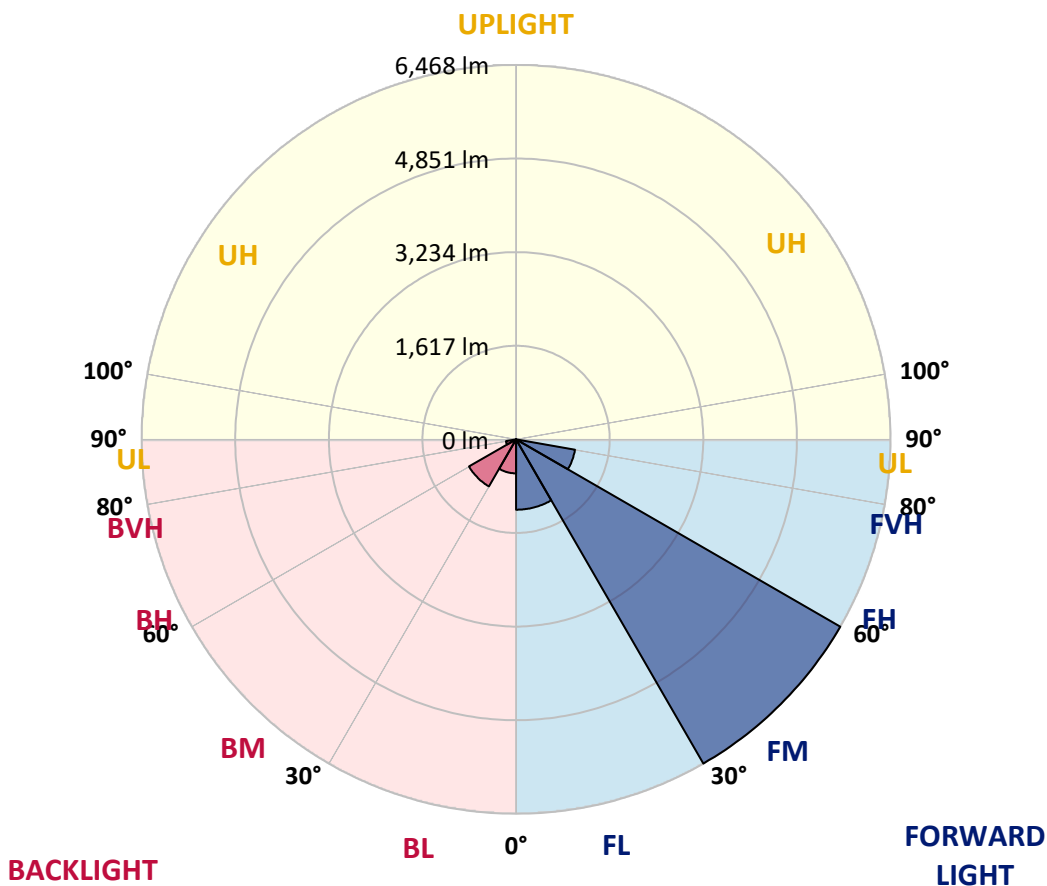
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1215.9	11.7			
FM (30°-60°)	6467.6	62.1			
FH (60°-80°)	1033.5	9.9			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	587.3	5.6	B2/1000		
BM (30°-60°)	937.9	9.0	B1/1000		
BH (60°-80°)	176.7	1.7	B1/500		G1/500
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1737.7	1737.7	1737.7	1737.7	1737.7	1737.7	1737.7	1737.7	1737.7	1737.7	1737.7
2.5°	1941.4	1961.5	1955.3	1942.7	1935.1	1908.7	1892.4	1844.6	1810.7	1806.9	1775.4
5°	2186.6	2182.8	2177.8	2162.7	2150.2	2108.7	2059.6	1979.1	1907.5	1898.7	1832.0
7.5°	2321.2	2323.7	2326.2	2323.7	2314.9	2283.4	2229.4	2135.1	2025.7	2018.1	1912.5
10°	2376.5	2381.5	2394.1	2418.0	2439.4	2436.8	2405.4	2308.6	2174.0	2161.5	2019.4
12.5°	2402.9	2409.2	2429.3	2474.6	2532.4	2577.7	2582.7	2495.9	2347.6	2327.4	2146.4
15°	2439.4	2445.6	2470.8	2529.9	2614.1	2703.4	2761.3	2705.9	2539.9	2518.6	2286.0
17.5°	2455.7	2464.5	2501.0	2578.9	2688.3	2825.4	2956.1	2951.1	2767.5	2751.2	2448.2
20°	2487.1	2493.4	2526.1	2610.4	2742.4	2939.8	3159.8	3239.1	3045.4	3021.5	2644.3
22.5°	2586.5	2589.0	2604.1	2656.9	2780.1	3022.8	3367.3	3574.8	3373.6	3342.2	2864.4
25°	2748.7	2747.4	2753.7	2762.5	2853.0	3107.0	3567.2	3953.3	3749.6	3715.6	3113.3
27.5°	2954.9	2954.9	2970.0	2944.8	2981.3	3211.4	3764.7	4388.3	4187.1	4139.4	3386.2
30°	3197.6	3196.3	3231.5	3191.3	3202.6	3376.1	3977.2	4862.4	4715.3	4656.2	3700.5
32.5°	3527.0	3519.5	3559.7	3504.4	3466.7	3625.1	4236.2	5357.8	5347.7	5257.2	4095.4
35°	3943.2	3930.6	3943.2	3889.1	3821.2	3973.4	4575.7	5851.9	6049.4	5953.8	4565.6
37.5°	4356.9	4397.1	4411.0	4317.9	4262.6	4414.7	4984.3	6294.5	6719.5	6620.2	5054.7
40°	4844.8	4832.2	4880.0	4775.6	4740.4	4908.9	5384.2	6624.0	7250.2	7155.9	5489.8
42.5°	5204.4	5227.0	5286.1	5228.3	5200.6	5359.0	5719.9	6816.4	7618.6	7525.5	5800.4
45°	5635.7	5652.0	5674.6	5626.9	5597.9	5753.9	5962.6	6900.6	7899.0	7798.4	6009.1
47.5°	6102.2	6114.7	6114.7	6016.7	5923.6	5987.7	6124.8	6948.4	8156.8	8059.9	6163.8
50°	6436.6	6442.9	6498.2	6429.1	6226.6	6127.3	6199.0	6994.9	8327.8	8237.2	6214.1
52.5°	6139.9	6132.3	6314.7	6458.0	6512.1	6314.7	6327.2	7062.8	8410.8	8332.8	6254.3
55°	5170.4	5157.9	5414.4	5762.7	6239.2	6492.0	6481.9	7103.1	8502.5	8454.8	6400.2
57.5°	3748.3	3726.9	4084.0	4471.3	5096.2	5781.5	6183.9	7080.4	8542.8	8539.0	6569.9
60°	2253.3	2235.7	2572.6	2980.0	3462.9	4151.9	4819.6	6342.3	8004.6	8012.2	6128.6
62.5°	1386.9	1403.3	1707.5	1915.0	2094.8	2302.3	2688.3	4266.4	5929.9	5978.9	4306.6
65°	933.0	945.6	1227.2	1488.8	1488.8	1217.2	1044.9	2039.5	3163.6	3080.6	2037.0
67.5°	626.2	640.0	862.6	1168.1	1212.1	848.7	423.7	608.6	881.4	855.0	504.2
70°	368.4	383.5	574.6	801.0	882.7	591.0	282.9	257.8	250.2	242.7	196.2
72.5°	164.7	171.0	293.0	407.4	372.2	249.0	199.9	206.2	194.9	191.1	159.7
75°	50.3	52.8	75.4	88.0	89.3	89.3	120.7	162.2	153.4	154.7	123.2
77.5°	12.6	12.6	20.1	18.9	10.1	8.8	22.6	36.5	37.7	33.9	25.1
80°	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1737.7	1737.7	1737.7	1737.7	1737.7	1737.7	1737.7	1737.7	1737.7	1737.7	1737.7
2.5°	1761.6	1728.9	1707.5	1677.4	1656.0	1633.4	1613.2	1596.9	1588.1	1585.6	1586.8
5°	1801.9	1750.3	1700.0	1642.2	1601.9	1564.2	1534.0	1510.1	1498.8	1495.0	1495.0
7.5°	1863.5	1791.8	1702.5	1612.0	1544.1	1485.0	1449.8	1423.4	1413.3	1410.8	1403.3
10°	1943.9	1845.9	1698.7	1557.9	1462.4	1400.7	1375.6	1368.1	1371.8	1373.1	1371.8
12.5°	2040.8	1902.4	1674.9	1478.7	1375.6	1337.9	1340.4	1360.5	1383.1	1394.5	1397.0
15°	2143.9	1954.0	1620.8	1384.4	1301.4	1300.2	1336.6	1383.1	1427.1	1446.0	1451.0
17.5°	2259.5	1995.5	1537.8	1283.8	1237.3	1273.7	1339.1	1410.8	1469.9	1501.3	1507.6
20°	2386.5	2029.4	1432.2	1189.5	1180.7	1246.1	1336.6	1424.6	1497.6	1532.8	1539.1
22.5°	2518.6	2053.3	1310.2	1102.7	1129.1	1214.6	1312.7	1398.2	1467.4	1507.6	1512.7
25°	2669.5	2055.8	1185.7	1029.8	1081.4	1171.9	1254.9	1325.3	1383.1	1418.3	1422.1
27.5°	2801.5	2025.7	1075.1	970.7	1037.4	1119.1	1174.4	1213.4	1253.6	1273.7	1275.0
30°	2953.6	1972.9	970.7	922.9	992.1	1053.7	1081.4	1090.2	1093.9	1097.7	1092.7
32.5°	3134.7	1908.7	892.8	876.4	940.5	982.0	989.6	972.0	950.6	920.4	912.9
35°	3357.3	1850.9	828.6	831.1	884.0	909.1	902.8	865.1	823.6	787.1	780.8
37.5°	3598.7	1801.9	779.6	787.1	822.3	839.9	821.1	779.6	760.7	729.3	730.5
40°	3812.4	1761.6	735.6	743.1	759.5	775.8	745.6	718.0	753.2	750.7	753.2
42.5°	3964.6	1727.7	697.9	694.1	705.4	716.7	694.1	680.3	739.4	723.0	731.8
45°	4053.9	1696.2	666.4	643.8	661.4	681.5	666.4	648.8	668.9	593.5	587.2
47.5°	4114.2	1678.6	638.8	594.8	626.2	661.4	630.0	587.2	558.3	492.9	487.9
50°	4120.5	1669.8	606.1	544.5	584.7	622.4	585.9	526.9	485.4	456.4	452.7
52.5°	4153.2	1687.4	560.8	480.3	524.3	584.7	559.5	500.4	443.9	418.7	413.7
55°	4299.1	1761.6	485.4	392.3	456.4	555.8	538.2	446.4	392.3	377.2	373.4
57.5°	4449.9	1776.7	382.2	310.6	397.3	514.3	491.6	411.2	358.4	340.8	337.0
60°	4068.9	1463.6	286.7	256.5	350.8	475.3	455.2	389.8	328.2	306.8	303.0
62.5°	2673.2	790.9	227.6	217.5	295.5	402.4	414.9	352.1	293.0	270.3	269.1
65°	1232.3	367.2	174.8	172.3	231.4	320.6	357.1	308.1	247.7	227.6	227.6
67.5°	335.7	182.3	137.1	127.0	157.2	215.0	260.3	230.1	176.0	152.1	150.9
70°	167.2	147.1	123.2	109.4	113.2	133.3	153.4	128.3	89.3	72.9	71.7
72.5°	137.1	120.7	104.4	93.0	85.5	81.7	79.2	64.1	41.5	31.4	30.2
75°	101.8	86.8	74.2	60.4	51.6	47.8	42.8	31.4	17.6	10.1	8.8
77.5°	22.6	21.4	20.1	15.1	13.8	11.3	8.8	6.3	2.5	0.0	0.0
80°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)