

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: P641733

Luminaire Tested: GWS-SA6B-740-U-T2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641733
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-SA6B-740-U-T2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12576.5 lumens
Efficiency: N/A
Efficacy: 90.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

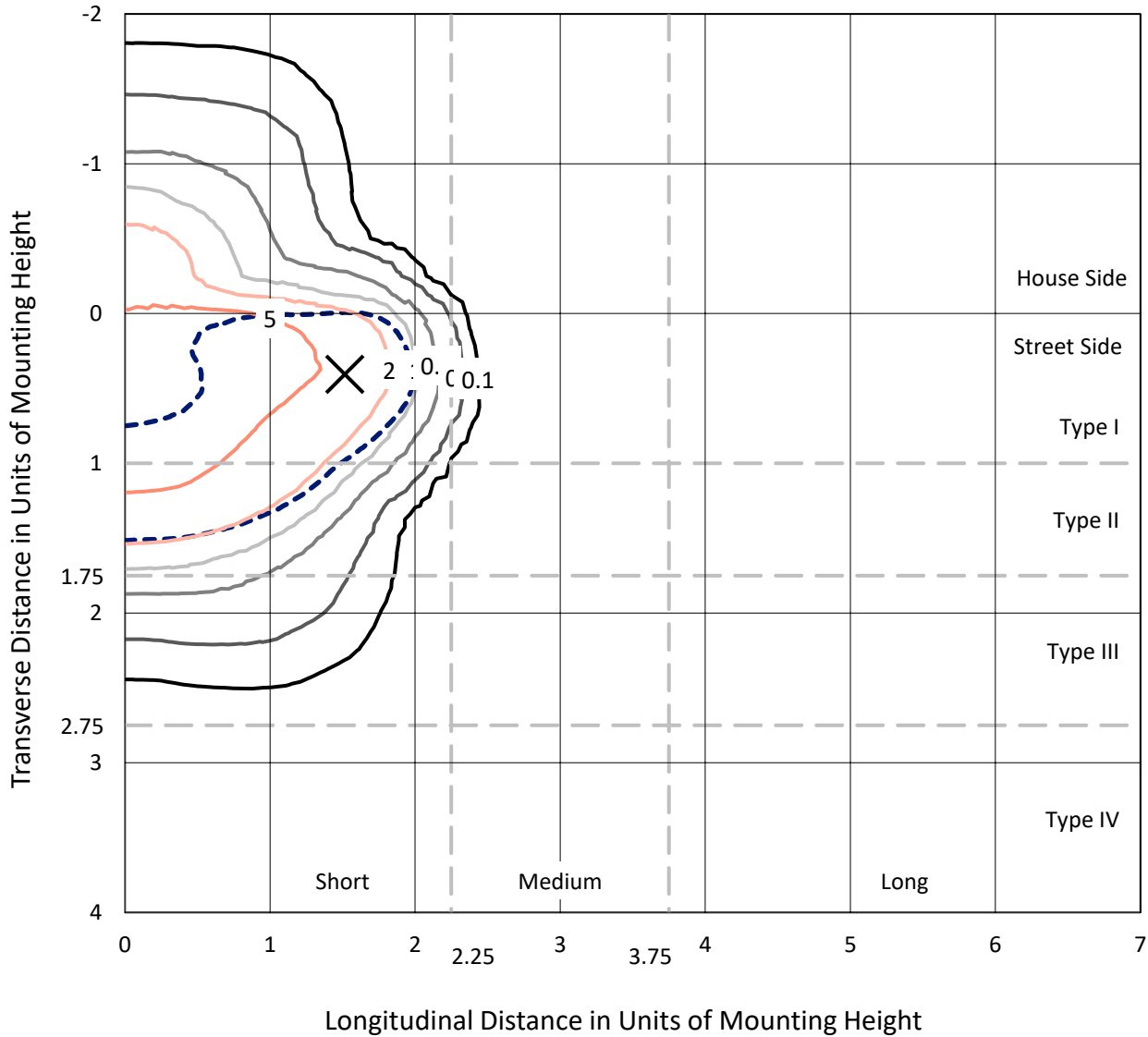
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

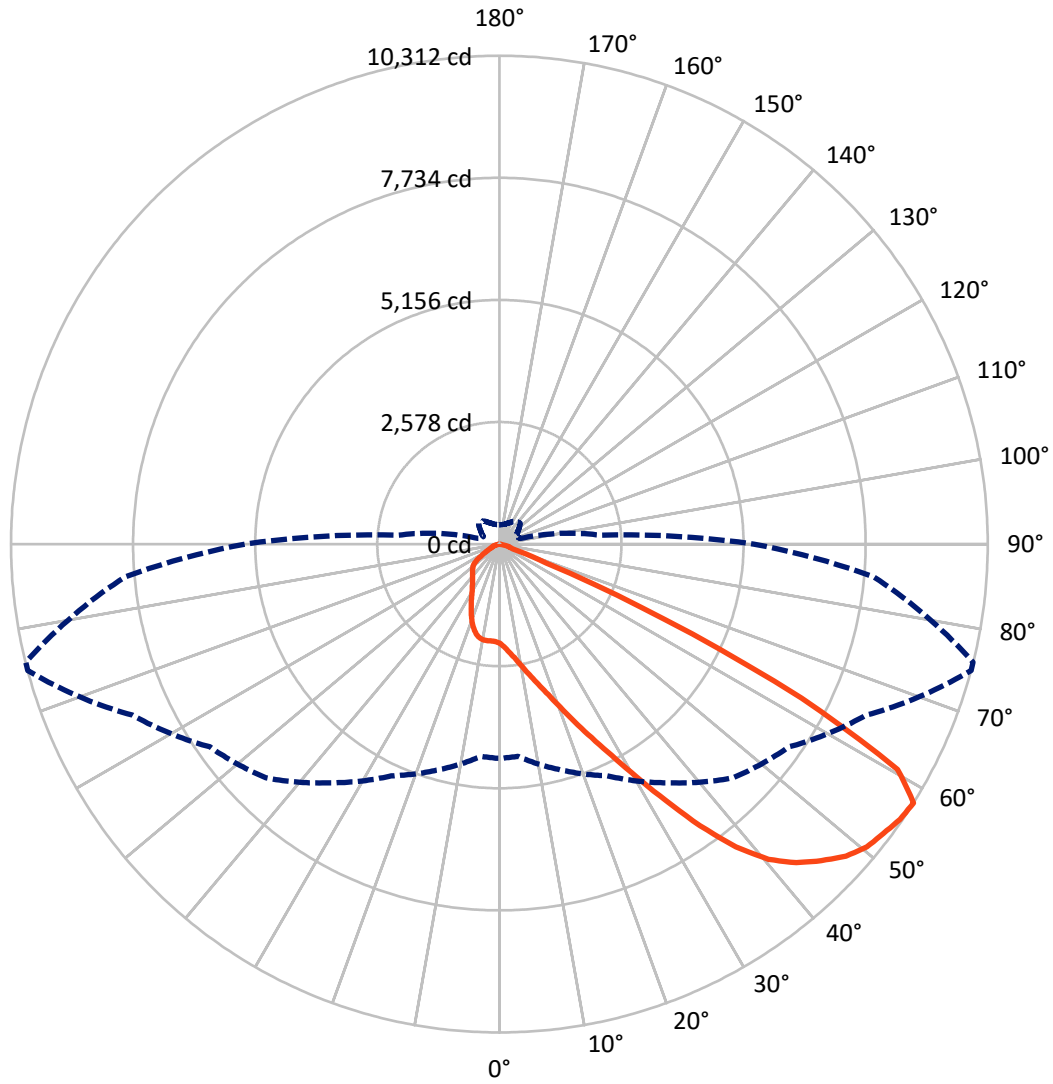
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 9.8 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	2054.3	0.0	2054.3
	% Fixture	16.3	0.0	16.3
Street Side	Lumens	10522.2	0.0	10522.2
	% Fixture	83.7	0.0	83.7
Total	Lumens	12576.5	0.0	12576.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.4	1.7
10°-20°	693.4	5.5
20°-30°	1269.7	10.1
30°-40°	2106.6	16.8
40°-50°	3217.3	25.6
50°-60°	3615.1	28.7
60°-70°	1333.4	10.6
70°-80°	127.4	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°	12576.5	100.0
0°-180°	12576.5	100.0

Coefficient of Utilization



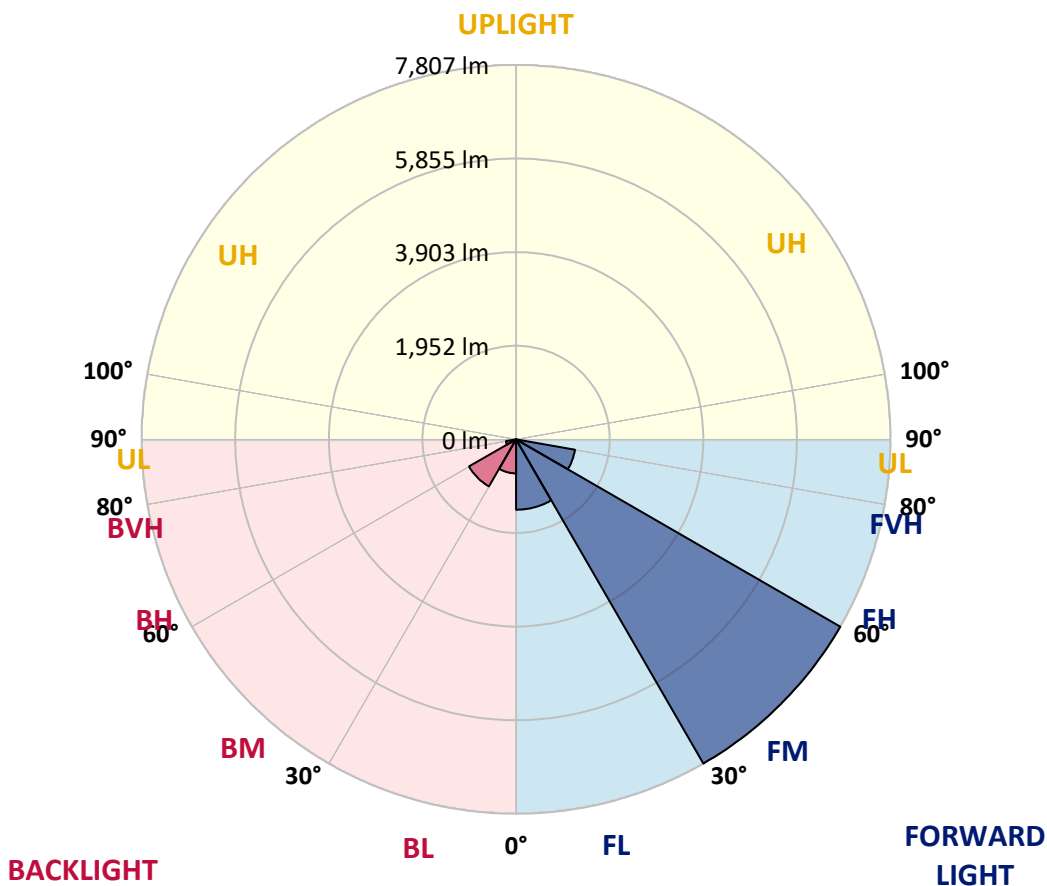
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1467.7	11.7			
FM (30°-60°)	7806.9	62.1			
FH (60°-80°)	1247.5	9.9			G1/1800
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	708.9	5.6	B2/1000		
BM (30°-60°)	1132.1	9.0	B2/2500		
BH (60°-80°)	213.3	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°	2097.6	2097.6	2097.6	2097.6	2097.6	2097.6	2097.6	2097.6	2097.6	2097.6	2097.6
2.5°	2343.5	2367.8	2360.2	2345.0	2335.9	2304.0	2284.3	2226.6	2185.6	2181.1	2143.1
5°	2639.4	2634.9	2628.8	2610.6	2595.4	2545.3	2486.1	2389.0	2302.5	2291.9	2211.4
7.5°	2801.8	2804.9	2807.9	2804.9	2794.3	2756.3	2691.0	2577.2	2445.2	2436.1	2308.6
10°	2868.6	2874.7	2889.9	2918.7	2944.5	2941.5	2903.5	2786.7	2624.3	2609.1	2437.6
12.5°	2900.5	2908.1	2932.4	2987.0	3056.8	3111.5	3117.5	3012.8	2833.7	2809.4	2590.9
15°	2944.5	2952.1	2982.5	3053.8	3155.5	3263.2	3333.1	3266.3	3065.9	3040.1	2759.3
17.5°	2964.2	2974.9	3018.9	3113.0	3245.0	3410.5	3568.3	3562.3	3340.7	3320.9	2955.1
20°	3002.2	3009.8	3049.2	3150.9	3310.3	3548.6	3814.2	3909.8	3676.1	3647.2	3191.9
22.5°	3122.1	3125.1	3143.3	3207.1	3355.8	3648.8	4064.6	4315.1	4072.2	4034.3	3457.5
25°	3317.9	3316.4	3324.0	3334.6	3443.9	3750.5	4306.0	4771.9	4526.0	4485.1	3758.0
27.5°	3566.8	3566.8	3585.0	3554.7	3598.7	3876.4	4544.3	5297.1	5054.2	4996.6	4087.4
30°	3859.7	3858.2	3900.7	3852.1	3865.8	4075.3	4800.8	5869.3	5691.7	5620.4	4466.9
32.5°	4257.4	4248.3	4296.9	4230.1	4184.5	4375.8	5113.4	6467.3	6455.2	6345.9	4943.4
35°	4759.8	4744.6	4759.8	4694.5	4612.6	4796.2	5523.2	7063.8	7302.1	7186.7	5511.1
37.5°	5259.1	5307.7	5324.4	5212.1	5145.3	5329.0	6016.5	7598.1	8111.1	7991.2	6101.5
40°	5848.0	5832.9	5890.5	5764.6	5722.1	5925.5	6499.2	7995.7	8751.6	8637.7	6626.7
42.5°	6282.1	6309.5	6380.8	6311.0	6277.6	6468.8	6904.4	8227.9	9196.3	9084.0	7001.6
45°	6802.7	6822.5	6849.8	6792.1	6757.2	6945.4	7197.4	8329.6	9534.8	9413.3	7253.5
47.5°	7365.8	7381.0	7381.0	7262.6	7150.3	7227.7	7393.2	8387.3	9845.9	9729.0	7440.2
50°	7769.6	7777.2	7843.9	7760.5	7516.1	7396.2	7482.7	8443.5	10052.3	9943.0	7500.9
52.5°	7411.4	7402.3	7622.3	7795.4	7860.6	7622.3	7637.5	8525.4	10152.5	10058.4	7549.5
55°	6241.2	6226.0	6535.6	6956.0	7531.3	7836.3	7824.2	8574.0	10263.3	10205.6	7725.5
57.5°	4524.5	4498.7	4929.8	5397.3	6151.6	6978.8	7464.5	8546.7	10311.9	10307.3	7930.5
60°	2719.9	2698.6	3105.4	3597.2	4180.0	5011.7	5817.7	7655.7	9662.2	9671.4	7397.7
62.5°	1674.1	1693.9	2061.2	2311.6	2528.6	2779.1	3245.0	5149.9	7157.9	7217.1	5198.4
65°	1126.2	1141.4	1481.4	1797.1	1797.1	1469.2	1261.3	2461.9	3818.8	3718.6	2458.8
67.5°	755.9	772.6	1041.2	1410.0	1463.1	1024.5	511.5	734.6	1064.0	1032.1	608.6
70°	444.7	462.9	693.6	966.8	1065.5	713.4	341.5	311.1	302.0	292.9	236.8
72.5°	198.8	206.4	353.6	491.8	449.3	300.5	241.3	248.9	235.3	230.7	192.8
75°	60.7	63.7	91.1	106.2	107.8	107.8	145.7	195.8	185.2	186.7	148.7
77.5°	15.2	15.2	24.3	22.8	12.1	10.6	27.3	44.0	45.5	41.0	30.4
80°	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5	1.5	1.5
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°	2097.6	2097.6	2097.6	2097.6	2097.6	2097.6	2097.6	2097.6	2097.6	2097.6	2097.6
2.5°	2126.4	2087.0	2061.2	2024.7	1998.9	1971.6	1947.3	1927.6	1917.0	1913.9	1915.5
5°	2175.0	2112.8	2052.1	1982.2	1933.7	1888.1	1851.7	1822.9	1809.2	1804.7	1804.7
7.5°	2249.4	2162.9	2055.1	1945.8	1863.8	1792.5	1750.0	1718.1	1706.0	1703.0	1693.9
10°	2346.5	2228.1	2050.5	1880.5	1765.2	1690.8	1660.5	1651.4	1655.9	1657.4	1655.9
12.5°	2463.4	2296.4	2021.7	1784.9	1660.5	1614.9	1618.0	1642.2	1669.6	1683.2	1686.3
15°	2587.8	2358.6	1956.4	1671.1	1570.9	1569.4	1613.4	1669.6	1722.7	1745.5	1751.5
17.5°	2727.5	2408.7	1856.3	1549.7	1493.5	1537.5	1616.4	1703.0	1774.3	1812.2	1819.8
20°	2880.8	2449.7	1728.8	1435.8	1425.2	1504.1	1613.4	1719.7	1807.7	1850.2	1857.8
22.5°	3040.1	2478.6	1581.5	1331.1	1363.0	1466.2	1584.6	1687.8	1771.3	1819.8	1825.9
25°	3222.3	2481.6	1431.3	1243.1	1305.3	1414.6	1514.8	1599.8	1669.6	1712.1	1716.6
27.5°	3381.6	2445.2	1297.7	1171.7	1252.2	1350.8	1417.6	1464.7	1513.2	1537.5	1539.0
30°	3565.3	2381.4	1171.7	1114.1	1197.5	1271.9	1305.3	1315.9	1320.5	1325.0	1319.0
32.5°	3783.8	2304.0	1077.6	1057.9	1135.3	1185.4	1194.5	1173.3	1147.4	1111.0	1101.9
35°	4052.5	2234.2	1000.2	1003.3	1067.0	1097.4	1089.8	1044.2	994.2	950.1	942.5
37.5°	4343.9	2175.0	941.0	950.1	992.6	1013.9	991.1	941.0	918.3	880.3	881.8
40°	4601.9	2126.4	887.9	897.0	916.7	936.5	900.0	866.7	909.2	906.1	909.2
42.5°	4785.6	2085.4	842.4	837.8	851.5	865.1	837.8	821.1	892.5	872.7	883.4
45°	4893.4	2047.5	804.4	777.1	798.4	822.6	804.4	783.2	807.5	716.4	708.8
47.5°	4966.2	2026.2	771.0	717.9	755.9	798.4	760.4	708.8	673.9	595.0	588.9
50°	4973.8	2015.6	731.6	657.2	705.8	751.3	707.3	636.0	585.9	551.0	546.4
52.5°	5013.3	2036.9	676.9	579.8	632.9	705.8	675.4	604.1	535.8	505.4	499.4
55°	5189.3	2126.4	585.9	473.6	551.0	670.9	649.6	538.8	473.6	455.3	450.8
57.5°	5371.5	2144.6	461.4	374.9	479.6	620.8	593.5	496.3	432.6	411.3	406.8
60°	4911.6	1766.7	346.1	309.6	423.5	573.7	549.4	470.5	396.1	370.3	365.8
62.5°	3226.8	954.7	274.7	262.6	356.7	485.7	500.9	425.0	353.6	326.3	324.8
65°	1487.4	443.2	211.0	207.9	279.3	387.0	431.1	371.9	299.0	274.7	274.7
67.5°	405.2	220.1	165.4	153.3	189.7	259.5	314.2	277.8	212.5	183.7	182.1
70°	201.9	177.6	148.7	132.0	136.6	160.9	185.2	154.8	107.8	88.0	86.5
72.5°	165.4	145.7	126.0	112.3	103.2	98.7	95.6	77.4	50.1	37.9	36.4
75°	122.9	104.7	89.5	72.9	62.2	57.7	51.6	37.9	21.2	12.1	10.6
77.5°	27.3	25.8	24.3	18.2	16.7	13.7	10.6	7.6	3.0	0.0	0.0
80°	1.5	1.5	1.5	1.5	1.5	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)