

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: P635903

Luminaire Tested: GWS-SA3E-760-U-T2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635903
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-SA3E-760-U-T2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13179.2 lumens
Efficiency: N/A
Efficacy: 82.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

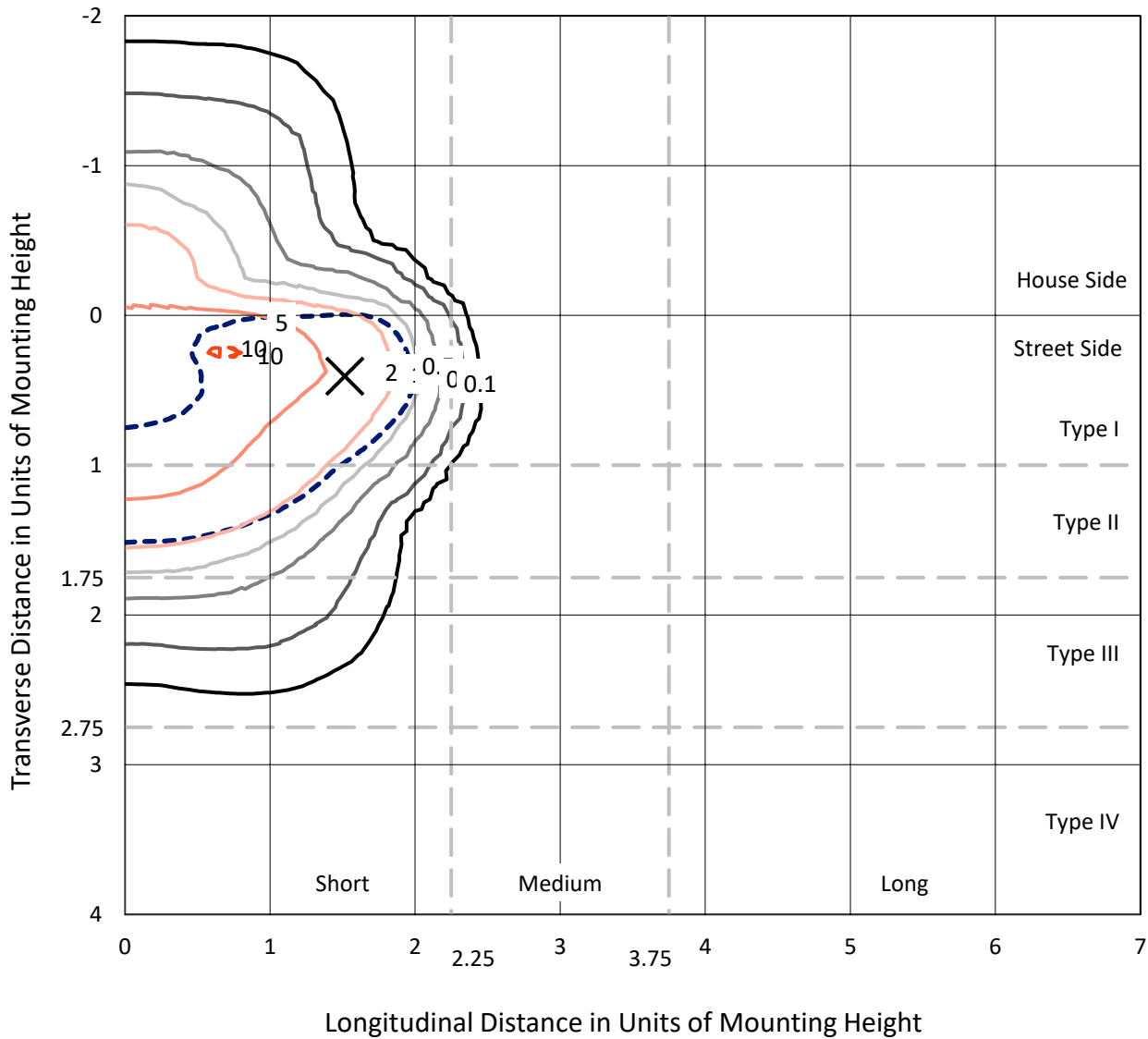
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

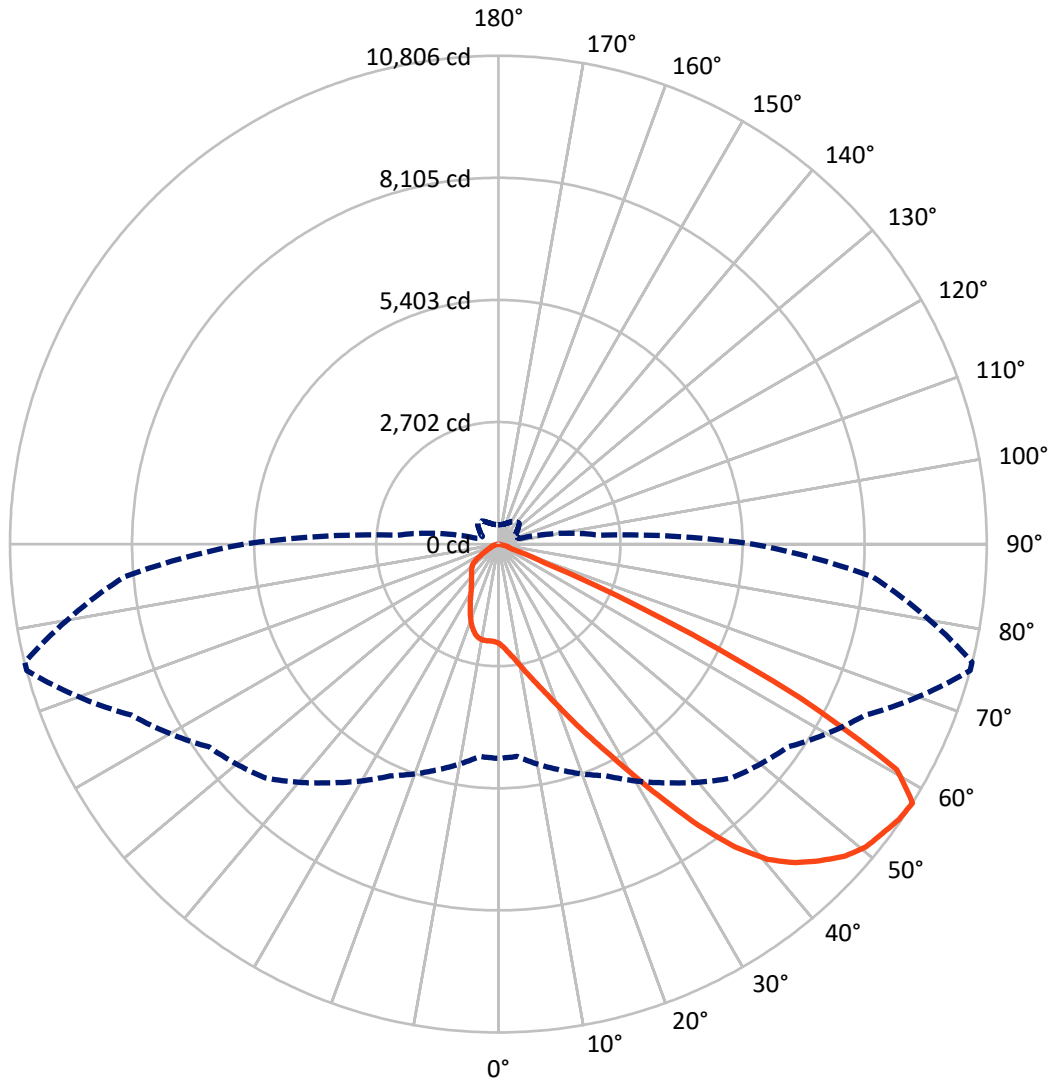
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 10.3 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	2152.8	0.0	2152.8
	% Fixture	16.3	0.0	16.3
Street Side	Lumens	11026.4	0.0	11026.4
	% Fixture	83.7	0.0	83.7
Total	Lumens	13179.2	0.0	13179.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	223.7	1.7
10°-20°	726.6	5.5
20°-30°	1330.6	10.1
30°-40°	2207.5	16.8
40°-50°	3371.4	25.6
50°-60°	3788.4	28.7
60°-70°	1397.3	10.6
70°-80°	133.6	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°	13179.2	100.0
0°-180°	13179.2	100.0

Coefficient of Utilization



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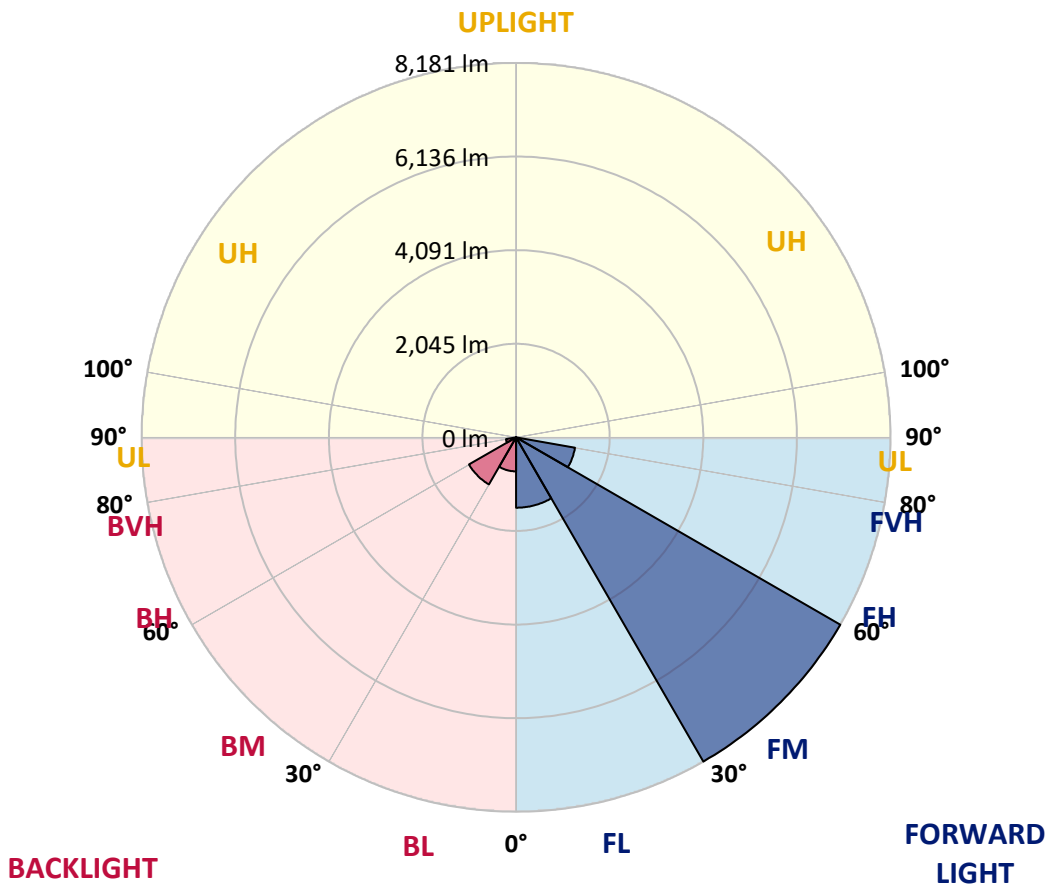
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1538.0	11.7			
FM (30°-60°)	8181.0	62.1			
FH (60°-80°)	1307.3	9.9			G1/1800
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	742.9	5.6	B2/1000		
BM (30°-60°)	1186.3	9.0	B2/2500		
BH (60°-80°)	223.6	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°	2198.1	2198.1	2198.1	2198.1	2198.1	2198.1	2198.1	2198.1	2198.1	2198.1	2198.1
2.5°	2455.8	2481.2	2473.3	2457.4	2447.8	2414.4	2393.7	2333.3	2290.4	2285.6	2245.8
5°	2765.9	2761.2	2754.8	2735.7	2719.8	2667.3	2605.3	2503.5	2412.8	2401.7	2317.4
7.5°	2936.1	2939.3	2942.5	2939.3	2928.2	2888.4	2820.0	2700.7	2562.3	2552.8	2419.2
10°	3006.1	3012.5	3028.4	3058.6	3085.6	3082.4	3042.7	2920.2	2750.0	2734.1	2554.4
12.5°	3039.5	3047.4	3072.9	3130.2	3203.3	3260.6	3266.9	3157.2	2969.5	2944.1	2715.0
15°	3085.6	3093.6	3125.4	3200.1	3306.7	3419.6	3492.8	3422.8	3212.9	3185.8	2891.6
17.5°	3106.3	3117.4	3163.6	3262.2	3400.5	3573.9	3739.3	3733.0	3500.7	3480.1	3096.8
20°	3146.1	3154.0	3195.4	3301.9	3468.9	3718.7	3997.0	4097.2	3852.3	3822.0	3344.9
22.5°	3271.7	3274.9	3294.0	3360.8	3516.7	3823.6	4259.4	4521.9	4267.4	4227.6	3623.2
25°	3476.9	3475.3	3483.3	3494.4	3608.9	3930.2	4512.3	5000.6	4742.9	4700.0	3938.1
27.5°	3737.7	3737.7	3756.8	3725.0	3771.1	4062.2	4762.0	5550.9	5296.5	5236.0	4283.3
30°	4044.7	4043.1	4087.7	4036.8	4051.1	4270.6	5030.8	6150.6	5964.5	5889.7	4680.9
32.5°	4461.4	4451.9	4502.8	4432.8	4385.1	4585.5	5358.5	6777.2	6764.5	6650.0	5180.3
35°	4987.9	4972.0	4987.9	4919.5	4833.6	5026.1	5787.9	7402.3	7652.0	7531.1	5775.2
37.5°	5511.2	5562.1	5579.6	5461.9	5391.9	5584.3	6304.8	7962.2	8499.8	8374.1	6393.9
40°	6128.3	6112.4	6172.8	6040.8	5996.3	6209.4	6810.6	8378.9	9171.0	9051.7	6944.2
42.5°	6583.2	6611.8	6686.6	6613.4	6578.4	6778.8	7235.3	8622.2	9637.0	9519.3	7337.1
45°	7128.7	7149.4	7178.0	7117.6	7081.0	7278.2	7542.3	8728.8	9991.7	9864.4	7601.1
47.5°	7718.8	7734.7	7734.7	7610.7	7493.0	7574.1	7747.5	8789.2	10317.7	10195.3	7796.8
50°	8141.9	8149.9	8219.8	8132.4	7876.3	7750.6	7841.3	8848.1	10534.1	10419.5	7860.4
52.5°	7766.5	7757.0	7987.6	8168.9	8237.3	7987.6	8003.5	8934.0	10639.0	10540.4	7911.3
55°	6540.2	6524.3	6848.8	7289.4	7892.2	8211.9	8199.2	8984.9	10755.1	10694.7	8095.8
57.5°	4741.4	4714.3	5166.0	5655.9	6446.4	7313.2	7822.2	8956.3	10806.0	10801.3	8310.5
60°	2850.2	2828.0	3254.2	3769.5	4380.3	5251.9	6096.5	8022.6	10125.3	10134.8	7752.2
62.5°	1754.4	1775.0	2159.9	2422.4	2649.8	2912.3	3400.5	5396.7	7500.9	7563.0	5447.6
65°	1180.2	1196.1	1552.4	1883.2	1883.2	1539.6	1321.7	2579.8	4001.8	3896.8	2576.7
67.5°	792.1	809.6	1091.1	1477.6	1533.3	1073.6	536.0	769.8	1115.0	1081.6	637.8
70°	466.0	485.1	726.9	1013.2	1116.5	747.5	357.9	326.1	316.5	307.0	248.1
72.5°	208.4	216.3	370.6	515.3	470.8	314.9	252.9	260.8	246.5	241.8	202.0
75°	63.6	66.8	95.4	111.3	112.9	112.9	152.7	205.2	194.0	195.6	155.9
77.5°	15.9	15.9	25.4	23.9	12.7	11.1	28.6	46.1	47.7	42.9	31.8
80°	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6
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°	2198.1	2198.1	2198.1	2198.1	2198.1	2198.1	2198.1	2198.1	2198.1	2198.1	2198.1
2.5°	2228.3	2187.0	2159.9	2121.8	2094.7	2066.1	2040.6	2020.0	2008.8	2005.7	2007.2
5°	2279.2	2214.0	2150.4	2077.2	2026.3	1978.6	1940.4	1910.2	1895.9	1891.1	1891.1
7.5°	2357.2	2266.5	2153.6	2039.1	1953.2	1878.4	1833.9	1800.5	1787.8	1784.6	1775.0
10°	2459.0	2334.9	2148.8	1970.7	1849.8	1771.8	1740.0	1730.5	1735.3	1736.9	1735.3
12.5°	2581.4	2406.5	2118.6	1870.5	1740.0	1692.3	1695.5	1720.9	1749.6	1763.9	1767.1
15°	2711.8	2471.7	2050.2	1751.2	1646.2	1644.6	1690.7	1749.6	1805.2	1829.1	1835.5
17.5°	2858.2	2524.2	1945.2	1623.9	1565.1	1611.2	1693.9	1784.6	1859.3	1899.1	1907.0
20°	3018.8	2567.1	1811.6	1504.6	1493.5	1576.2	1690.7	1802.1	1894.3	1938.9	1946.8
22.5°	3185.8	2597.3	1657.3	1394.9	1428.3	1536.4	1660.5	1768.7	1856.1	1907.0	1913.4
25°	3376.7	2600.5	1499.9	1302.6	1367.9	1482.4	1587.3	1676.4	1749.6	1794.1	1798.9
27.5°	3543.7	2562.3	1359.9	1227.9	1312.2	1415.6	1485.6	1534.9	1585.8	1611.2	1612.8
30°	3736.1	2495.5	1227.9	1167.4	1254.9	1332.9	1367.9	1379.0	1383.8	1388.5	1382.2
32.5°	3965.2	2414.4	1129.3	1108.6	1189.7	1242.2	1251.7	1229.5	1202.4	1164.3	1154.7
35°	4246.7	2341.3	1048.2	1051.3	1118.1	1150.0	1142.0	1094.3	1041.8	995.7	987.7
37.5°	4552.1	2279.2	986.1	995.7	1040.2	1062.5	1038.6	986.1	962.3	922.5	924.1
40°	4822.5	2228.3	930.5	940.0	960.7	981.4	943.2	908.2	952.7	949.5	952.7
42.5°	5014.9	2185.4	882.7	878.0	892.3	906.6	878.0	860.5	935.2	914.6	925.7
45°	5127.9	2145.6	843.0	814.3	836.6	862.1	843.0	820.7	846.2	750.7	742.8
47.5°	5204.2	2123.4	808.0	752.3	792.1	836.6	796.9	742.8	706.2	623.5	617.1
50°	5212.2	2112.2	766.6	688.7	739.6	787.3	741.2	666.4	613.9	577.4	572.6
52.5°	5253.5	2134.5	709.4	607.6	663.2	739.6	707.8	633.0	561.5	529.6	523.3
55°	5438.0	2228.3	613.9	496.2	577.4	703.0	680.7	564.6	496.2	477.2	472.4
57.5°	5628.9	2247.4	483.5	392.9	502.6	650.5	621.9	520.1	453.3	431.0	426.3
60°	5146.9	1851.4	362.6	324.5	443.8	601.2	575.8	493.1	415.1	388.1	383.3
62.5°	3381.5	1000.4	287.9	275.2	373.8	509.0	524.9	445.3	370.6	342.0	340.4
65°	1558.7	464.4	221.1	217.9	292.7	405.6	451.7	389.7	313.3	287.9	287.9
67.5°	424.7	230.6	173.4	160.6	198.8	272.0	329.2	291.1	222.7	192.5	190.9
70°	211.5	186.1	155.9	138.4	143.1	168.6	194.0	162.2	112.9	92.3	90.7
72.5°	173.4	152.7	132.0	117.7	108.2	103.4	100.2	81.1	52.5	39.8	38.2
75°	128.8	109.7	93.8	76.3	65.2	60.4	54.1	39.8	22.3	12.7	11.1
77.5°	28.6	27.0	25.4	19.1	17.5	14.3	11.1	8.0	3.2	0.0	0.0
80°	1.6	1.6	1.6	1.6	1.6	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)