

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: P634065

Luminaire Tested: GWS-SA3B-722-U-AFL-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634065
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-45)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-722-U-AFL-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND
AUTOMOTIVE FRONTLINE OPTICS
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7802 lumens
Efficiency: N/A
Efficacy: 114.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

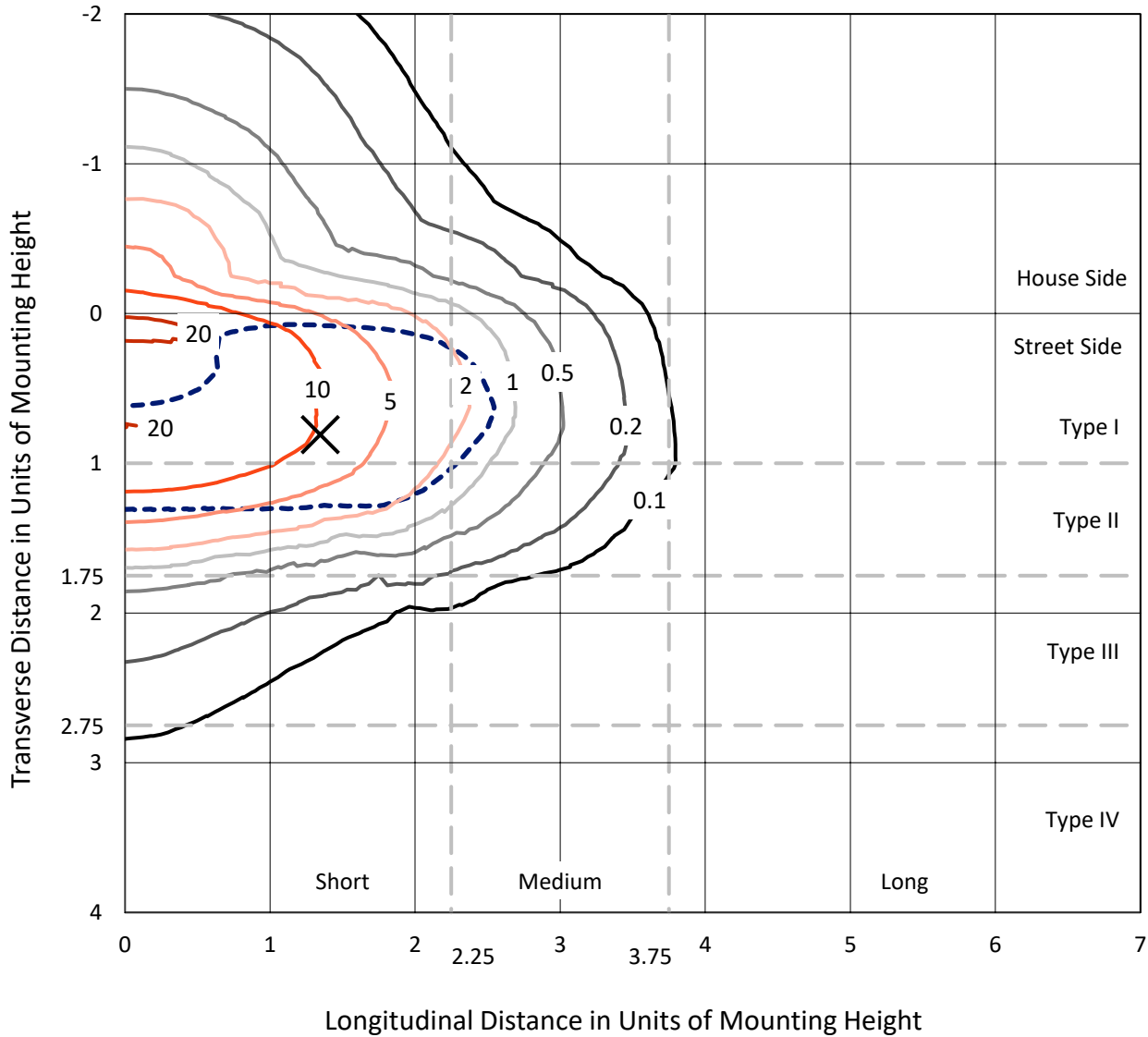
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P634065
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Iso-Footcandle Lines of Horizontal Illumination

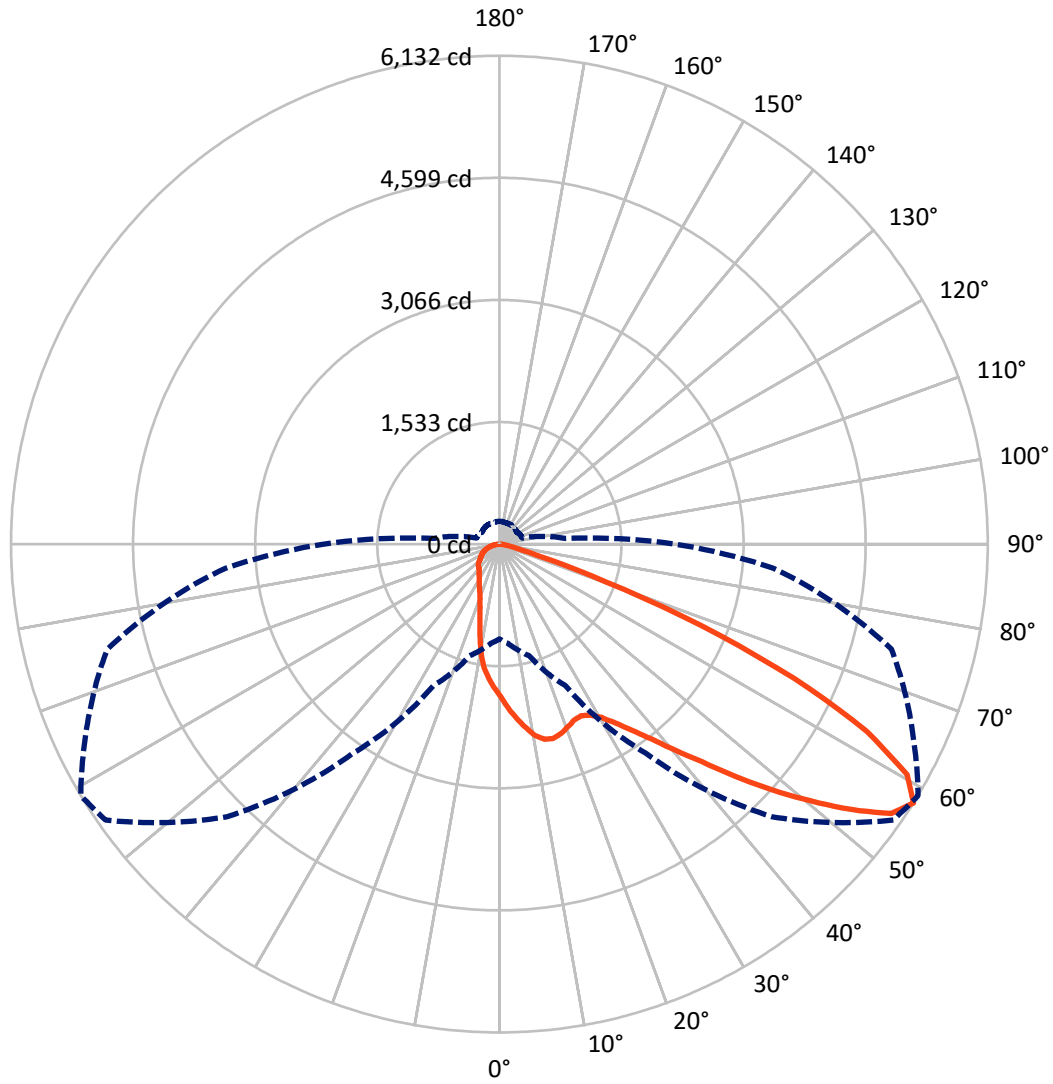
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 23.4 fc
 Type II - Short - N/A

REPORT NUMBER: P634065
CATALOG NUMBER: GWS-SA3B-722-U-AFL-W

Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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CATALOG NUMBER: GWS-SA3B-722-U-AFL-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1210.8	0.0	1210.8
	% Fixture	15.5	0.0	15.5
Street Side	Lumens	6591.2	0.0	6591.2
	% Fixture	84.5	0.0	84.5
Total	Lumens	7802.0	0.0	7802.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.8	2.3
10°-20°	450.6	5.8
20°-30°	730.5	9.4
30°-40°	1175.1	15.1
40°-50°	1824.8	23.4
50°-60°	1965.5	25.2
60°-70°	1140.7	14.6
70°-80°	297.8	3.8
80°-90°	39.2	0.5
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°	7802.0	100.0
0°-180°	7802.0	100.0

Coefficient of Utilization



REPORT NUMBER: P634065

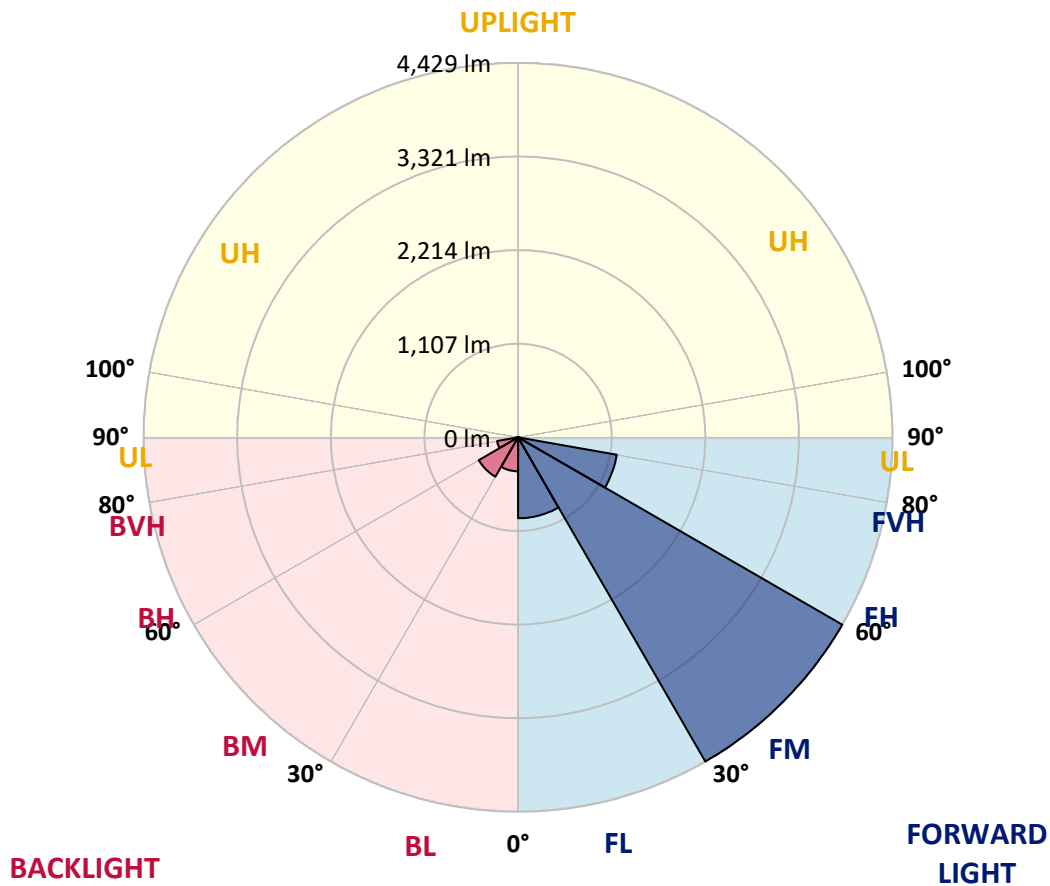
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	957.2	12.3			
FM (30°-60°)	4428.5	56.8			
FH (60°-80°)	1186.7	15.2			G1/1800
FVH (80°-90°)	18.8	0.2			G1/100
BL (0°-30°)	401.7	5.1	B1/500		
BM (30°-60°)	536.8	6.9	B1/1000		
BH (60°-80°)	251.8	3.2	B1/500		G1/500
BVH (80°-90°)	20.4	0.3			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





REPORT NUMBER: P634065
 CATALOG NUMBER: GWS-SA3B-722-U-AFL-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	1915.2	1915.2	1915.2	1915.2	1915.2	1915.2	1915.2	1915.2	1915.2	1915.2	1915.2
2.5°	2172.3	2154.2	2166.8	2144.3	2134.9	2110.2	2078.4	2056.9	2024.0	1981.1	1943.8
5°	2388.1	2375.5	2378.3	2354.1	2332.7	2291.5	2226.1	2189.9	2133.8	2047.6	1967.4
7.5°	2381.5	2396.4	2404.6	2425.5	2431.5	2427.7	2368.9	2318.4	2256.9	2127.2	2006.4
10°	2134.9	2162.9	2188.2	2259.6	2346.4	2456.2	2470.0	2439.8	2377.7	2228.9	2053.1
12.5°	1866.4	1887.8	1910.3	1996.0	2128.9	2348.6	2497.4	2516.1	2491.4	2329.4	2105.8
15°	1734.5	1744.4	1765.8	1822.4	1928.4	2172.3	2449.7	2531.5	2576.0	2435.9	2165.1
17.5°	1729.0	1733.4	1743.9	1774.1	1847.7	2036.1	2363.4	2500.7	2642.4	2548.5	2234.3
20°	1842.7	1831.2	1824.6	1824.1	1860.3	1990.5	2279.9	2451.3	2673.7	2663.9	2308.5
22.5°	2000.4	2004.2	1989.9	1954.8	1950.4	2022.9	2238.2	2401.3	2683.1	2766.0	2377.2
25°	2223.9	2243.1	2200.8	2133.8	2100.9	2116.8	2264.0	2385.9	2682.0	2851.2	2420.0
27.5°	2484.8	2499.6	2456.8	2368.9	2300.8	2262.4	2340.9	2431.5	2691.3	2924.8	2445.8
30°	2782.0	2786.9	2728.1	2635.9	2536.4	2454.0	2468.9	2525.5	2739.1	3021.4	2476.0
32.5°	3145.0	3165.9	3076.9	2930.8	2791.8	2686.4	2640.8	2677.0	2842.4	3135.7	2522.7
35°	3605.8	3613.0	3499.8	3290.6	3093.9	2947.8	2852.3	2871.5	2999.5	3295.5	2593.0
37.5°	4040.3	4047.4	3927.1	3732.7	3451.5	3251.6	3113.1	3104.4	3200.5	3521.2	2707.8
40°	4316.0	4336.3	4282.5	4160.6	3892.0	3622.3	3434.5	3404.3	3464.1	3797.5	2867.6
42.5°	4464.3	4473.1	4472.0	4487.9	4328.1	4060.1	3797.0	3736.5	3776.6	4095.8	3029.1
45°	4465.4	4487.4	4546.1	4699.4	4706.5	4539.6	4255.0	4160.6	4123.8	4396.2	3197.7
47.5°	4265.5	4289.1	4450.6	4752.1	4974.6	5012.5	4803.7	4614.2	4459.4	4654.9	3336.1
50°	3660.2	3719.5	4027.1	4560.4	5027.3	5391.4	5327.2	5070.1	4757.6	4854.8	3422.9
52.5°	3134.6	3132.4	3321.9	4018.9	4807.0	5558.4	5833.6	5539.2	5052.6	4981.7	3444.9
55°	2295.3	2307.9	2501.8	3073.6	4219.3	5396.9	6112.1	5970.9	5390.9	5049.3	3436.1
57.5°	1190.2	1252.8	1451.7	1961.4	3206.0	4841.1	6037.9	6131.8	5734.7	5097.0	3447.6
60°	601.4	589.3	660.7	936.5	1857.6	3781.0	5580.9	5880.3	5796.8	5134.4	3454.8
62.5°	401.5	398.2	378.4	433.9	759.1	2239.3	4757.6	5177.2	5365.6	5046.5	3363.6
65°	347.7	341.1	304.8	302.6	368.5	928.8	3487.2	4069.9	4434.6	4656.0	3145.6
67.5°	313.1	303.2	266.4	248.3	264.7	408.1	1965.2	2729.8	3274.6	3937.6	2667.7
70°	279.6	274.6	237.8	211.5	209.8	248.8	723.9	1408.8	2003.7	2686.4	1950.4
72.5°	250.5	241.7	210.4	185.1	172.5	176.3	314.2	542.7	1037.0	1675.8	1166.6
75°	217.0	210.4	182.9	157.6	142.3	129.1	191.7	251.0	472.9	796.4	550.9
77.5°	167.5	163.1	144.5	125.2	116.4	96.1	116.4	158.2	218.6	335.6	286.7
80°	97.2	100.0	107.7	97.8	85.7	68.7	75.8	91.2	131.3	181.8	162.6
82.5°	48.9	52.2	69.8	56.6	51.1	40.1	45.0	53.8	68.7	100.5	63.7
85°	3.8	3.8	12.6	14.3	17.6	14.3	18.1	22.0	31.3	40.1	21.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.7	4.9	9.3	6.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P634065
 CATALOG NUMBER: GWS-SA3B-722-U-AFL-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1915.2	1915.2	1915.2	1915.2	1915.2	1915.2	1915.2	1915.2	1915.2	1915.2	1915.2
2.5°	1918.5	1890.5	1857.0	1829.6	1787.3	1764.7	1736.2	1701.0	1686.7	1680.2	1676.3
5°	1922.4	1872.9	1801.5	1735.6	1662.6	1604.9	1540.6	1473.6	1435.2	1425.9	1419.3
7.5°	1936.7	1867.5	1753.8	1645.0	1509.3	1383.6	1261.1	1139.7	1077.6	1054.0	1051.8
10°	1956.4	1865.3	1705.4	1524.7	1295.7	1096.9	953.5	858.5	818.4	805.2	800.8
12.5°	1981.1	1863.6	1641.7	1357.7	1049.1	861.2	779.4	764.0	769.5	768.4	768.4
15°	2012.5	1865.8	1564.8	1168.8	848.6	747.5	749.2	767.3	784.3	787.1	787.1
17.5°	2046.5	1863.6	1453.3	979.3	728.3	720.6	745.9	771.1	786.5	788.7	788.7
20°	2083.3	1853.2	1312.7	800.8	675.6	703.6	731.1	750.8	760.2	762.4	762.4
22.5°	2105.3	1823.5	1160.0	677.8	642.1	676.7	694.8	715.1	716.2	698.6	698.1
25°	2102.0	1768.0	985.9	598.7	606.4	636.6	659.6	645.4	627.8	617.9	616.3
27.5°	2081.1	1684.5	808.5	538.8	564.1	598.1	591.0	578.9	574.5	563.5	562.4
30°	2054.7	1581.8	649.2	492.1	520.1	551.4	540.5	539.4	535.0	522.9	522.9
32.5°	2029.5	1475.8	528.9	457.5	492.1	494.3	509.7	510.8	508.6	487.7	485.5
35°	2022.3	1369.8	447.6	430.1	464.7	463.6	485.5	485.0	447.1	418.0	417.4
37.5°	2043.8	1262.2	399.3	407.5	426.8	441.0	458.6	426.8	414.1	396.6	395.5
40°	2089.3	1162.8	374.6	394.4	402.6	423.5	396.0	398.2	394.9	381.7	380.1
42.5°	2149.8	1078.2	360.9	390.0	388.9	394.4	364.2	372.9	377.9	368.0	366.3
45°	2208.0	1004.6	353.7	373.5	379.0	347.1	341.1	349.3	357.0	353.2	351.5
47.5°	2250.8	940.9	349.9	351.0	366.3	331.2	321.3	325.2	334.5	336.1	335.6
50°	2264.0	886.5	345.5	332.3	329.0	315.3	307.6	306.5	317.5	325.2	326.3
52.5°	2238.7	838.2	333.9	315.8	299.9	302.1	299.3	293.8	304.8	315.3	316.4
55°	2201.4	810.7	315.8	299.9	281.2	290.0	291.1	286.2	293.3	300.4	300.4
57.5°	2204.1	826.6	298.2	285.1	264.7	276.3	282.3	280.1	280.1	285.6	286.2
60°	2222.3	849.7	286.7	266.4	248.3	260.3	274.1	271.9	266.9	274.1	274.1
62.5°	2170.1	818.9	279.0	248.3	230.7	245.0	261.4	260.3	254.9	266.4	267.5
65°	2016.3	736.5	270.2	225.7	213.1	229.6	243.9	247.7	242.8	258.1	260.9
67.5°	1690.0	619.6	253.2	204.3	195.5	210.9	224.6	230.1	226.3	244.4	246.6
70°	1260.0	501.5	226.3	180.7	174.1	187.8	200.5	202.7	203.2	224.6	226.8
72.5°	803.6	390.0	190.6	154.3	149.4	159.8	169.2	178.0	181.8	202.1	201.6
75°	448.2	290.0	153.2	130.7	121.9	130.2	141.2	151.6	162.6	192.2	195.5
77.5°	258.1	203.8	121.4	104.9	94.5	103.3	112.6	127.4	160.4	186.2	182.9
80°	145.6	132.4	91.7	76.9	70.3	76.9	84.0	112.0	126.3	137.3	139.0
82.5°	68.1	74.1	62.6	47.2	47.2	51.6	58.2	86.8	95.6	78.0	68.1
85°	24.7	33.5	30.8	24.2	21.4	20.9	36.3	49.4	30.8	27.5	23.6
87.5°	6.6	9.3	8.8	6.0	3.3	2.7	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)