

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: P635853

Luminaire Tested: GWS-SA3E-750-U-T2R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635853
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-13)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-750-U-T2R-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19798.3 lumens
Efficiency: N/A
Efficacy: 124.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

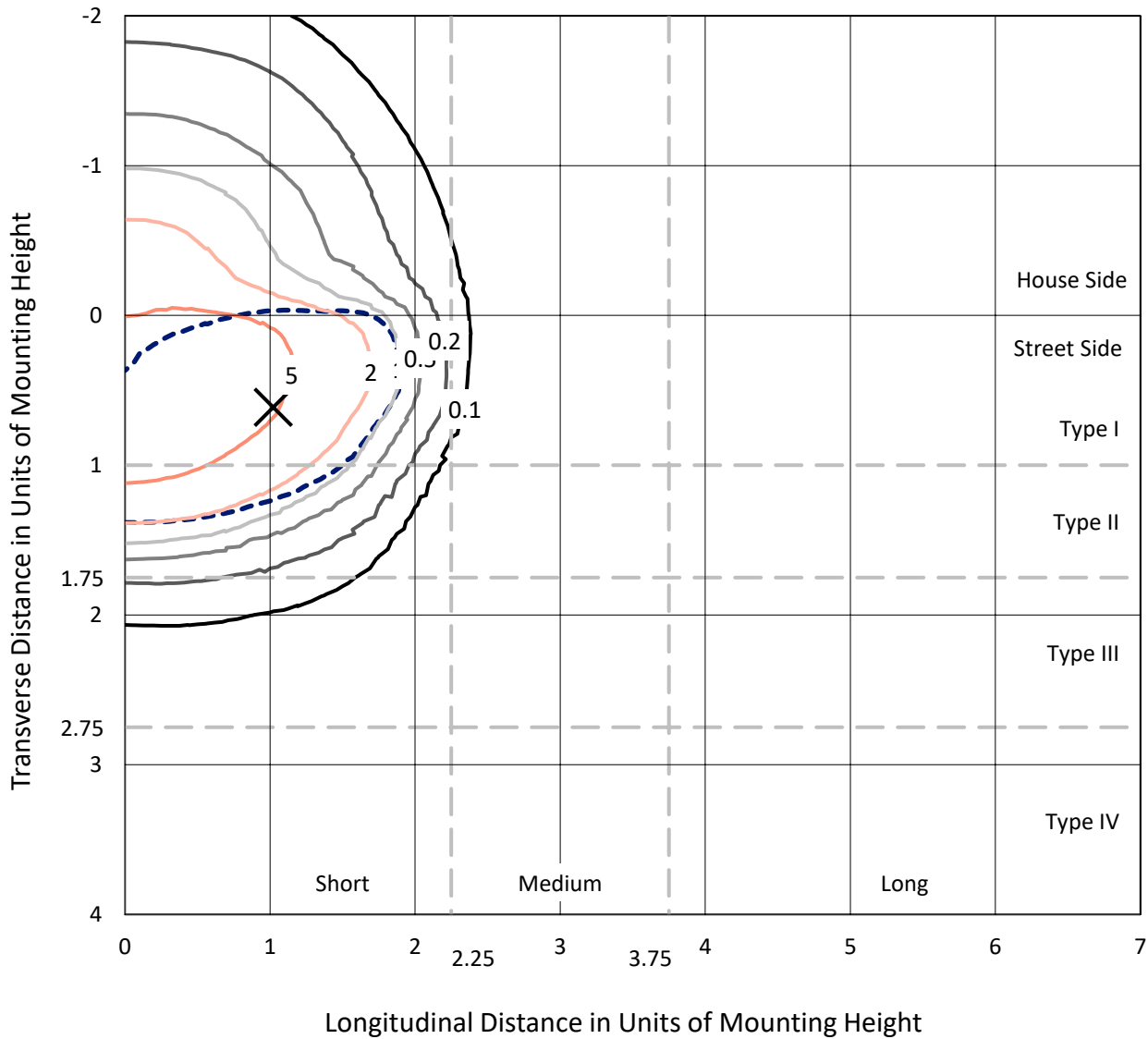
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

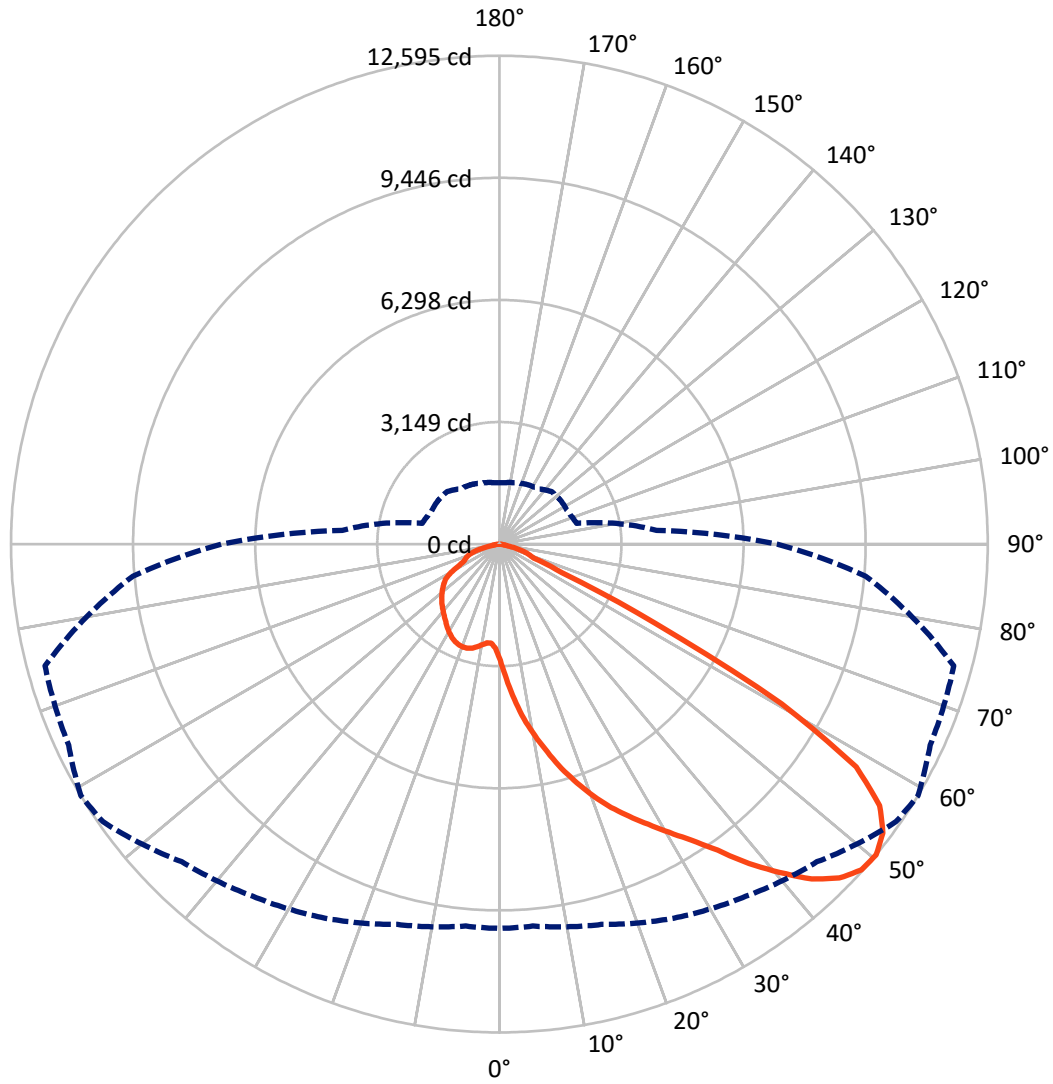
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4554.0	0.0	4554.0
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	15244.3	0.0	15244.3
	% Fixture	77.0	0.0	77.0
Total	Lumens	19798.3	0.0	19798.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	336.5	1.7
10°-20°	1221.6	6.2
20°-30°	2313.1	11.7
30°-40°	3835.9	19.4
40°-50°	5240.1	26.5
50°-60°	4756.6	24.0
60°-70°	1584.0	8.0
70°-80°	462.0	2.3
80°-90°	48.5	0.2
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°	19798.3	100.0
0°-180°	19798.3	100.0

Coefficient of Utilization



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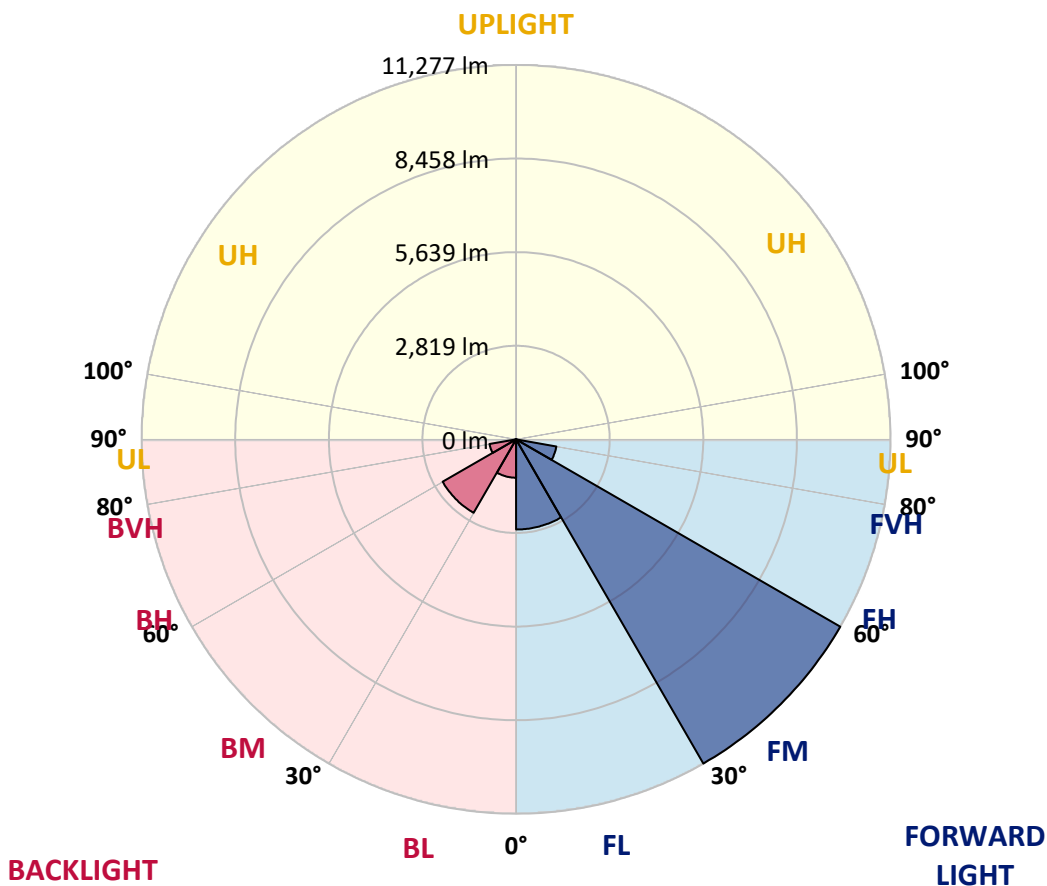
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2714.8	13.7			
FM (30°-60°)	11277.4	57.0			
FH (60°-80°)	1233.2	6.2			G1/1800
FVH (80°-90°)	19.0	0.1			G1/100
BL (0°-30°)	1156.4	5.8	B3/2500		
BM (30°-60°)	2555.2	12.9	B3/5000		
BH (60°-80°)	812.8	4.1	B2/1000		G2/1000
BVH (80°-90°)	29.6	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	2999.6	2999.6	2999.6	2999.6	2999.6	2999.6	2999.6	2999.6	2999.6	2999.6	2999.6
2.5°	3886.6	3915.6	3870.4	3873.7	3760.8	3709.2	3564.0	3478.5	3422.1	3264.1	3120.5
5°	4670.3	4636.5	4601.0	4580.0	4481.6	4342.9	4162.3	4018.8	3886.6	3576.9	3278.6
7.5°	5150.9	5133.2	5109.0	5096.1	4999.3	4854.2	4673.5	4551.0	4359.1	3939.8	3470.5
10°	5558.9	5537.9	5523.4	5533.1	5454.1	5360.5	5163.8	5023.5	4807.4	4323.6	3702.7
12.5°	5875.0	5886.3	5891.1	5942.7	5908.9	5852.4	5649.2	5500.8	5260.6	4728.4	3975.3
15°	6125.0	6121.7	6178.2	6276.5	6331.4	6295.9	6133.0	6008.8	5715.3	5126.7	4268.8
17.5°	6183.0	6186.2	6274.9	6447.5	6626.5	6713.6	6621.7	6473.3	6183.0	5520.2	4573.6
20°	6229.8	6236.2	6328.2	6524.9	6786.2	7029.7	7044.2	6937.7	6687.8	5945.9	4883.2
22.5°	6524.9	6539.4	6563.6	6687.8	6923.2	7231.3	7400.6	7378.0	7168.4	6392.7	5217.0
25°	7300.6	7257.1	7139.3	7103.8	7194.2	7444.1	7732.8	7776.3	7673.1	6884.5	5576.6
27.5°	8258.5	8211.8	8037.6	7853.7	7658.6	7745.7	8053.7	8184.3	8186.0	7426.4	5937.9
30°	9127.8	9090.7	8948.8	8685.9	8348.8	8223.0	8450.4	8626.2	8731.0	8052.1	6349.1
32.5°	9871.2	9837.3	9645.4	9430.9	9102.0	8848.8	8931.0	9100.3	9345.5	8861.7	6860.3
35°	10496.9	10463.1	10279.2	10063.1	9758.3	9606.7	9577.7	9693.8	10011.5	9706.7	7447.4
37.5°	11004.9	10971.1	10779.1	10575.9	10343.7	10353.4	10396.9	10453.4	10635.6	10611.4	8074.7
40°	11333.9	11298.4	11161.3	11016.2	10869.5	10985.6	11201.7	11133.9	11230.7	11342.0	8652.0
42.5°	11480.7	11435.5	11356.5	11324.2	11279.1	11459.7	11875.8	11808.0	11691.9	11829.0	9081.0
45°	11333.9	11295.2	11293.6	11392.0	11496.8	11729.0	12341.8	12287.0	11993.5	12064.4	9337.4
47.5°	10884.0	10850.1	10942.0	11200.1	11458.1	11796.7	12549.9	12559.5	12208.0	12162.8	9503.5
50°	9911.5	9888.9	10155.0	10643.7	11088.8	11585.5	12483.7	12595.0	12259.6	12132.2	9482.6
52.5°	7934.4	8039.2	8618.2	9434.2	10298.6	11214.6	12238.6	12383.8	12011.2	11930.6	9369.7
55°	5431.5	5479.9	6058.8	7250.6	8621.4	10411.5	11675.8	11900.0	11717.7	11896.7	9487.4
57.5°	2812.5	2851.2	3307.6	4365.5	5847.6	8227.9	10113.1	10848.5	11125.9	12067.7	9853.5
60°	1154.7	1186.9	1375.6	1886.8	2949.6	4791.3	7278.0	8368.2	9019.7	11021.0	8750.4
62.5°	838.6	854.7	945.0	1125.6	1544.9	2348.1	4118.8	4520.3	4978.3	6907.1	5555.7
65°	706.4	724.1	796.7	906.3	1127.3	1440.1	1759.4	1769.1	1949.7	2814.1	2059.4
67.5°	591.9	608.0	672.5	766.0	911.2	1022.4	945.0	946.6	943.4	1020.8	987.0
70°	461.2	474.1	538.6	638.6	714.4	656.4	738.6	817.6	783.8	814.4	861.2
72.5°	337.0	351.6	408.0	483.8	464.5	467.7	598.3	678.9	659.6	693.5	737.0
75°	243.5	253.2	282.2	241.9	254.8	308.0	420.9	464.5	483.8	512.8	551.5
77.5°	79.0	79.0	88.7	111.3	138.7	170.9	214.5	232.2	261.3	293.5	320.9
80°	40.3	41.9	50.0	61.3	77.4	98.4	125.8	133.9	148.4	166.1	177.4
82.5°	19.4	21.0	24.2	30.6	40.3	51.6	69.3	77.4	87.1	98.4	106.4
85°	4.8	4.8	6.5	9.7	12.9	19.4	25.8	30.6	38.7	46.8	51.6
87.5°	0.0	0.0	0.0	0.0	0.0	1.6	4.8	6.5	8.1	9.7	12.9
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°	2999.6	2999.6	2999.6	2999.6	2999.6	2999.6	2999.6	2999.6	2999.6	2999.6	2999.6
2.5°	3056.0	2965.7	2849.6	2751.2	2660.9	2591.6	2531.9	2502.9	2475.5	2456.1	2462.6
5°	3139.9	2985.1	2769.0	2619.0	2527.1	2480.3	2448.0	2431.9	2428.7	2415.8	2411.0
7.5°	3262.4	3041.5	2752.8	2601.3	2540.0	2515.8	2498.0	2488.4	2493.2	2480.3	2475.5
10°	3414.0	3135.0	2793.2	2659.3	2606.1	2588.3	2569.0	2556.1	2549.6	2530.3	2527.1
12.5°	3602.7	3251.2	2865.7	2733.5	2680.3	2649.6	2623.8	2601.3	2586.7	2562.5	2556.1
15°	3805.9	3380.2	2951.2	2806.1	2743.2	2698.0	2656.1	2622.2	2596.4	2564.2	2559.3
17.5°	4026.9	3515.6	3022.2	2856.1	2775.4	2715.8	2654.5	2604.5	2569.0	2527.1	2522.2
20°	4257.5	3652.7	3075.4	2880.2	2777.0	2696.4	2614.2	2548.0	2502.9	2460.9	2457.7
22.5°	4496.1	3778.5	3107.6	2873.8	2751.2	2651.2	2552.9	2478.7	2425.5	2375.5	2372.3
25°	4736.4	3899.5	3115.7	2848.0	2699.6	2583.5	2485.1	2398.1	2338.4	2281.9	2275.5
27.5°	4980.0	4001.1	3096.3	2796.4	2630.3	2504.5	2406.1	2320.6	2259.4	2202.9	2193.2
30°	5239.6	4088.1	3054.4	2728.7	2549.6	2420.6	2323.9	2259.4	2201.3	2144.9	2135.2
32.5°	5517.0	4163.9	2994.7	2646.4	2456.1	2336.8	2265.8	2207.8	2149.7	2099.7	2090.0
35°	5847.6	4213.9	2906.0	2540.0	2369.0	2275.5	2227.1	2159.4	2088.4	2033.6	2028.7
37.5°	6189.5	4252.6	2799.6	2438.4	2293.2	2240.0	2199.7	2107.8	2019.1	1953.0	1944.9
40°	6520.1	4284.9	2667.4	2343.2	2223.9	2214.2	2159.4	2044.9	1891.7	1817.5	1811.0
42.5°	6828.1	4294.6	2528.7	2241.6	2161.0	2156.2	2094.9	1917.5	1799.7	1753.0	1746.5
45°	7039.3	4286.5	2385.2	2146.5	2098.1	2072.3	2007.8	1825.6	1753.0	1711.1	1703.0
47.5°	7195.8	4244.6	2223.9	2046.5	2027.1	1991.7	1853.0	1767.5	1699.8	1657.8	1649.8
50°	7168.4	4070.4	2061.0	1949.7	1941.7	1911.0	1740.1	1694.9	1635.3	1590.1	1583.7
52.5°	7026.4	3739.8	1894.9	1843.3	1859.4	1799.7	1659.4	1607.8	1556.2	1504.6	1493.3
55°	7061.9	3501.1	1769.1	1740.1	1769.1	1633.6	1569.1	1514.3	1465.9	1415.9	1406.3
57.5°	7216.7	3265.7	1635.3	1628.8	1659.4	1506.2	1453.0	1383.7	1314.3	1274.0	1274.0
60°	6060.4	2380.3	1399.8	1415.9	1485.3	1403.0	1356.3	1285.3	1209.5	1174.0	1174.0
62.5°	3583.4	1493.3	1161.1	1143.4	1186.9	1238.5	1264.3	1206.3	1116.0	1069.2	1070.8
65°	1578.8	1086.9	1024.1	1009.5	996.6	1032.1	1103.1	1107.9	1012.8	957.9	959.5
67.5°	972.4	983.7	957.9	946.6	935.4	928.9	922.5	925.7	899.9	849.9	848.3
70°	877.3	907.9	890.2	880.5	866.0	854.7	816.0	753.1	709.6	696.7	711.2
72.5°	754.7	796.7	787.0	782.1	764.4	737.0	685.4	624.1	572.5	540.2	546.7
75°	569.3	603.1	608.0	609.6	590.2	564.4	511.2	459.6	414.5	380.6	388.7
77.5°	327.4	346.7	351.6	356.4	341.9	332.2	296.7	259.6	235.5	200.0	209.6
80°	182.2	190.3	190.3	191.9	183.8	172.6	148.4	127.4	116.1	100.0	101.6
82.5°	109.7	112.9	114.5	116.1	111.3	100.0	82.2	67.7	61.3	53.2	51.6
85°	53.2	56.4	56.4	58.1	50.0	43.5	33.9	25.8	22.6	16.1	17.7
87.5°	12.9	14.5	14.5	12.9	11.3	8.1	4.8	1.6	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)