

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: P635906

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635906
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-19)
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
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22013 lumens
Efficiency: N/A
Efficacy: 138.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

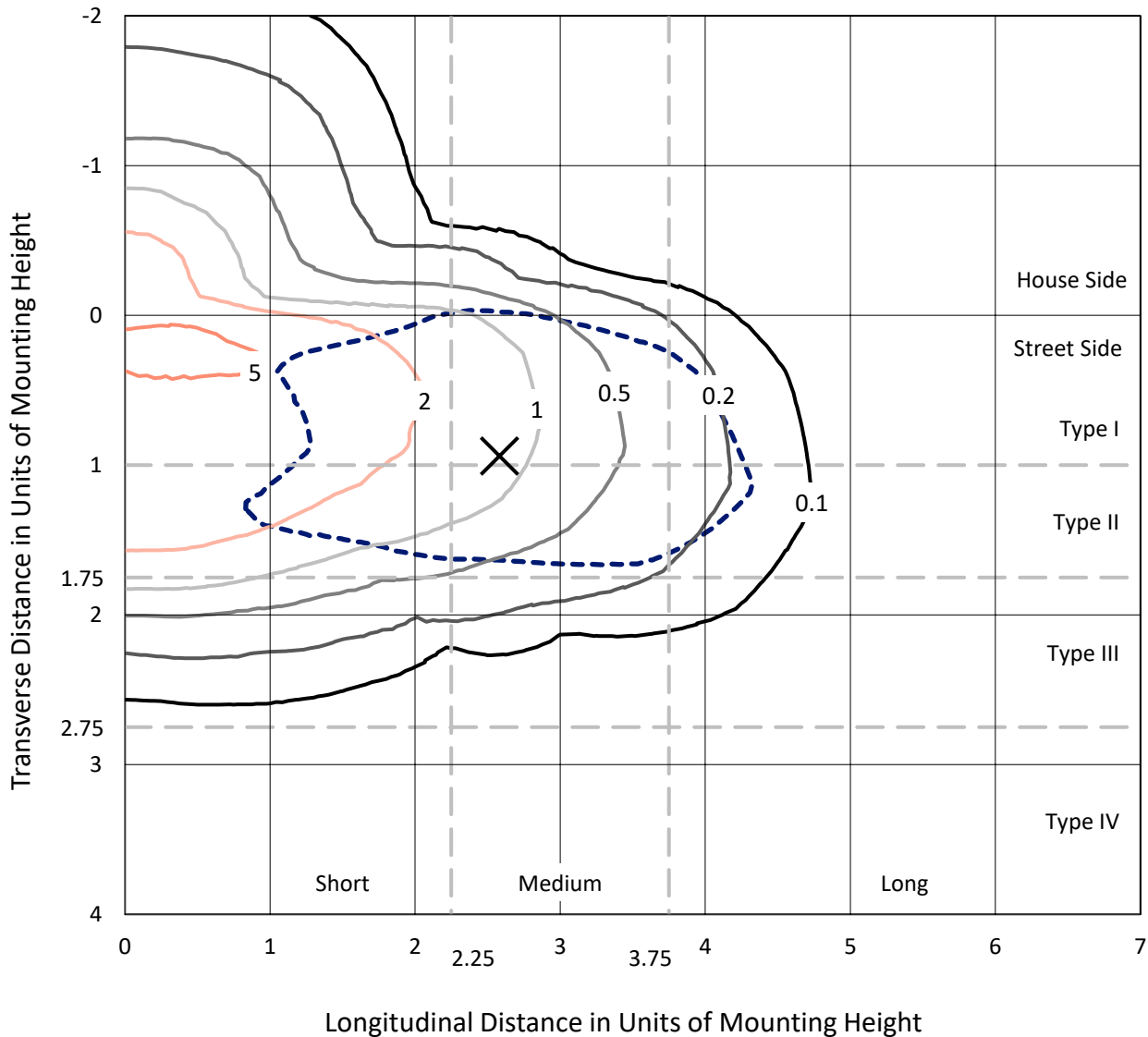
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

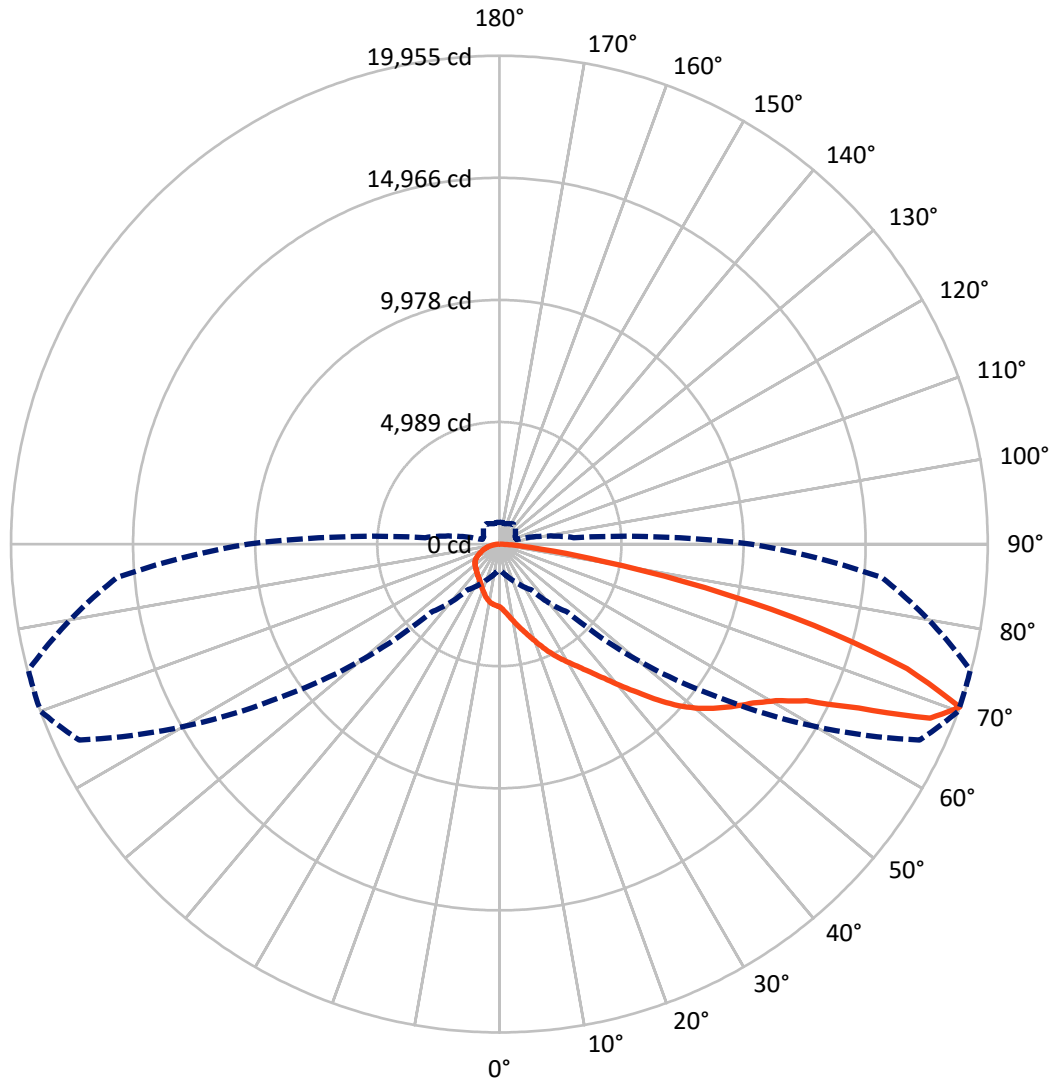
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3944.8	0.0	3944.8
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	18068.2	0.0	18068.2
	% Fixture	82.1	0.0	82.1
Total	Lumens	22013.0	0.0	22013.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	260.9	1.2
10°-20°	848.8	3.9
20°-30°	1503.7	6.8
30°-40°	2263.0	10.3
40°-50°	3423.7	15.6
50°-60°	4904.6	22.3
60°-70°	5421.5	24.6
70°-80°	3059.5	13.9
80°-90°	327.3	1.5
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°	22013.0	100.0
0°-180°	22013.0	100.0

Coefficient of Utilization



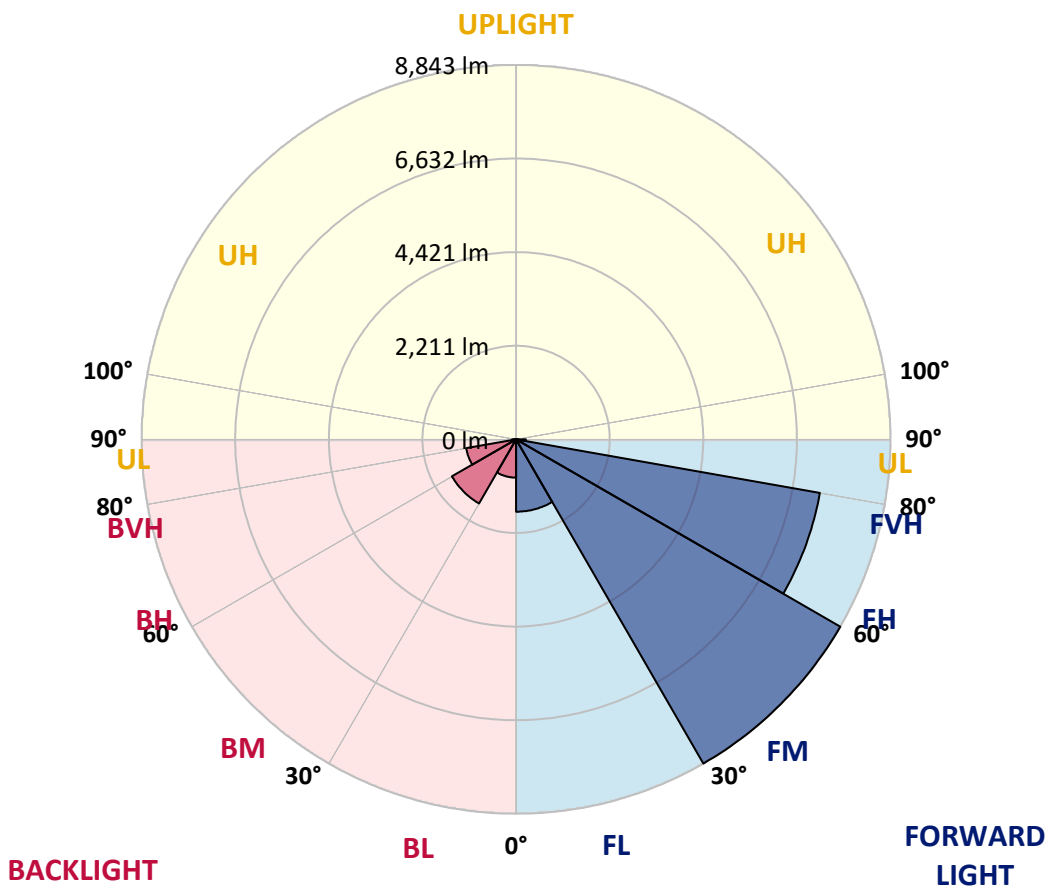
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1708.9	7.8			
FM (30°-60°)	8842.6	40.2			
FH (60°-80°)	7285.4	33.1			G3/7500
FVH (80°-90°)	231.3	1.1			G3/500
BL (0°-30°)	904.5	4.1	B2/1000		
BM (30°-60°)	1748.7	7.9	B2/2500		
BH (60°-80°)	1195.6	5.4	B3/2500		G3/2500
BVH (80°-90°)	95.9	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
 Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	2567.2	2567.2	2567.2	2567.2	2567.2	2567.2	2567.2	2567.2	2567.2	2567.2	2567.2
2.5°	2843.9	2839.2	2842.3	2839.2	2821.7	2778.7	2743.7	2699.2	2669.0	2651.5	2610.1
5°	3177.9	3173.2	3162.0	3146.1	3114.3	3055.5	2968.0	2871.0	2812.1	2767.6	2680.1
7.5°	3418.1	3418.1	3416.5	3397.4	3375.2	3313.1	3209.8	3082.5	2996.6	2920.3	2777.1
10°	3540.6	3548.6	3559.7	3586.7	3582.0	3548.6	3451.5	3314.7	3206.6	3117.5	2904.4
12.5°	3607.4	3612.2	3631.3	3686.9	3744.2	3752.1	3694.9	3551.7	3434.0	3314.7	3045.9
15°	3693.3	3694.9	3720.3	3787.1	3871.4	3955.7	3941.4	3798.3	3677.4	3545.4	3203.4
17.5°	3760.1	3771.2	3817.4	3895.3	4000.3	4116.4	4186.4	4097.3	3947.8	3796.7	3375.2
20°	3784.0	3791.9	3852.3	3971.6	4114.8	4278.6	4434.5	4410.6	4259.5	4081.4	3569.2
22.5°	3869.8	3869.8	3914.4	4014.6	4183.2	4421.8	4674.7	4736.7	4603.1	4394.7	3777.6
25°	4059.1	4052.8	4073.4	4114.8	4242.0	4536.3	4911.7	5097.8	4948.2	4714.4	3986.0
27.5°	4318.4	4315.2	4313.6	4320.0	4362.9	4636.5	5112.1	5435.0	5285.4	5021.4	4172.1
30°	4599.9	4590.4	4611.0	4592.0	4582.4	4755.8	5282.3	5737.2	5621.1	5325.2	4326.3
32.5°	4983.2	4965.7	4961.0	4898.9	4860.8	4941.9	5419.1	6080.7	5988.5	5652.9	4499.7
35°	5489.0	5473.1	5392.0	5293.4	5180.5	5218.6	5589.2	6416.3	6422.7	6063.2	4727.2
37.5°	5999.6	6002.8	5939.2	5706.9	5590.8	5568.6	5848.5	6825.1	6961.9	6553.1	5021.4
40°	6424.3	6443.4	6443.4	6198.4	6025.1	6004.4	6212.7	7310.2	7582.2	7154.4	5393.6
42.5°	6747.2	6764.7	6820.3	6643.8	6460.9	6532.4	6654.9	7796.9	8285.3	7897.2	5864.4
45°	7101.9	7116.2	7146.4	7044.6	6938.0	7128.9	7156.0	8379.1	9090.1	8730.6	6411.6
47.5°	7572.7	7560.0	7563.1	7488.4	7405.7	7714.2	7707.9	8869.0	9867.9	9643.6	7004.8
50°	8158.0	8181.9	8159.6	8011.7	7914.7	8196.2	8232.8	9411.4	10551.8	10547.0	7602.9
52.5°	8721.1	8730.6	8848.3	8854.7	8655.9	8597.0	8692.4	9958.5	11129.2	11374.1	8177.1
55°	8749.7	8786.3	9139.4	9393.9	9715.2	9242.8	9156.9	10480.2	11687.5	12183.7	8773.6
57.5°	8140.5	8199.4	8799.0	9347.7	10241.6	10351.4	9952.2	11154.6	12245.8	12980.6	9463.9
60°	6839.4	6961.9	7776.3	8616.1	10004.7	11148.3	11579.3	12070.8	12979.0	13795.0	10302.1
62.5°	4367.7	4415.4	5557.4	6963.5	8937.4	11070.3	13351.2	13685.2	14095.6	14855.9	11593.6
65°	2187.0	2339.7	3009.3	4156.1	6445.0	9754.9	14246.7	16642.1	16139.5	16672.3	13686.8
67.5°	1484.0	1533.3	1872.1	2497.2	3779.2	6911.0	13691.6	19132.9	18985.0	19072.5	15918.4
70°	1094.3	1126.1	1393.3	1768.7	2285.6	3923.9	10900.1	18945.2	19955.2	19923.4	15684.6
72.5°	798.5	814.4	1016.4	1350.4	1694.0	2029.6	6656.5	15304.4	17419.9	18337.6	13717.0
75°	580.6	599.6	706.2	1010.0	1317.0	1266.1	3286.1	11054.4	13284.4	15049.9	11175.3
77.5°	432.6	456.5	505.8	633.0	922.5	906.6	1420.4	7178.2	8592.2	9829.7	6788.5
80°	311.8	316.5	345.2	405.6	585.3	531.2	676.0	3742.6	4291.3	4701.7	2661.0
82.5°	189.3	194.0	230.6	249.7	362.6	334.0	351.5	1212.0	1736.9	1843.5	994.1
85°	55.7	58.9	105.0	114.5	151.1	143.2	141.6	493.1	588.5	752.3	391.3
87.5°	0.0	0.0	0.0	0.0	1.6	9.5	17.5	87.5	132.0	182.9	95.4
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°	2567.2	2567.2	2567.2	2567.2	2567.2	2567.2	2567.2	2567.2	2567.2	2567.2	2567.2
2.5°	2594.2	2557.6	2538.5	2505.1	2481.3	2457.4	2433.6	2411.3	2401.8	2387.4	2390.6
5°	2640.3	2583.1	2525.8	2460.6	2404.9	2358.8	2317.5	2280.9	2265.0	2250.6	2257.0
7.5°	2710.3	2624.4	2514.7	2395.4	2307.9	2244.3	2201.3	2175.9	2167.9	2156.8	2156.8
10°	2799.4	2670.6	2478.1	2307.9	2202.9	2152.0	2132.9	2131.4	2139.3	2140.9	2137.7
12.5°	2898.0	2715.1	2424.0	2204.5	2115.5	2099.5	2113.9	2140.9	2167.9	2182.3	2179.1
15°	2999.8	2743.7	2331.8	2105.9	2051.8	2072.5	2118.6	2172.7	2225.2	2252.2	2250.6
17.5°	3095.2	2750.1	2212.5	2010.5	1996.2	2048.6	2128.2	2212.5	2284.1	2322.2	2323.8
20°	3201.8	2739.0	2090.0	1924.6	1940.5	2026.4	2131.4	2233.2	2317.5	2355.6	2365.2
22.5°	3298.8	2700.8	1970.7	1843.5	1892.8	1999.3	2105.9	2201.3	2276.1	2312.7	2325.4
25°	3386.3	2627.6	1840.3	1775.1	1856.2	1961.2	2042.3	2109.1	2161.6	2183.8	2201.3
27.5°	3434.0	2517.9	1741.7	1721.0	1821.2	1907.1	1951.6	1972.3	1989.8	1983.4	1996.2
30°	3443.6	2381.1	1655.8	1678.0	1768.7	1832.3	1841.9	1821.2	1791.0	1741.7	1752.8
32.5°	3434.0	2223.6	1584.2	1631.9	1709.9	1748.0	1735.3	1681.2	1608.1	1531.7	1536.5
35°	3437.2	2064.6	1525.4	1581.0	1641.5	1662.1	1630.3	1555.6	1477.6	1407.6	1404.5
37.5°	3472.2	1930.9	1476.0	1531.7	1574.7	1577.8	1542.8	1464.9	1425.1	1372.7	1366.3
40°	3569.2	1832.3	1431.5	1482.4	1509.4	1507.9	1468.1	1412.4	1439.5	1422.0	1417.2
42.5°	3728.3	1771.9	1394.9	1429.9	1449.0	1452.2	1420.4	1385.4	1444.2	1422.0	1414.0
45°	3984.4	1768.7	1369.5	1377.4	1407.6	1429.9	1407.6	1367.9	1390.2	1282.0	1261.3
47.5°	4288.2	1822.8	1350.4	1331.3	1383.8	1423.6	1388.6	1324.9	1278.8	1180.2	1165.9
50°	4654.0	1932.5	1332.9	1282.0	1348.8	1399.7	1364.7	1277.2	1207.2	1154.8	1146.8
52.5°	5088.2	2077.3	1310.6	1226.3	1296.3	1387.0	1364.7	1272.5	1180.2	1132.5	1124.5
55°	5543.1	2244.3	1285.2	1159.5	1237.5	1390.2	1375.8	1239.1	1159.5	1134.1	1127.7
57.5°	6107.8	2444.7	1239.1	1081.6	1185.0	1361.5	1331.3	1220.0	1145.2	1124.5	1118.2
60°	6841.0	2742.1	1151.6	1002.1	1124.5	1310.6	1291.5	1188.2	1107.0	1089.5	1084.8
62.5°	8002.1	3246.3	1045.0	925.7	1053.0	1204.1	1232.7	1127.7	1059.3	1057.7	1056.1
65°	9894.9	3852.3	919.3	857.3	978.2	1116.6	1154.8	1065.7	1010.0	1027.5	1025.9
67.5°	11221.4	3904.8	816.0	785.7	890.7	1021.1	1076.8	1002.1	941.6	975.0	973.4
70°	10278.2	3045.9	726.9	711.0	796.9	917.8	992.5	922.5	862.1	893.9	887.5
72.5°	8668.6	2334.9	642.6	633.0	701.4	809.6	884.4	843.0	779.4	779.4	765.1
75°	6966.7	1926.2	553.5	548.7	594.9	699.8	784.1	714.2	655.3	652.1	642.6
77.5°	3995.5	1262.9	464.4	461.3	475.6	585.3	609.2	594.9	550.3	529.7	523.3
80°	1592.2	656.9	365.8	345.2	359.5	429.5	480.4	456.5	418.3	392.9	378.6
82.5°	617.1	329.2	257.7	225.9	246.5	310.2	348.3	340.4	314.9	257.7	241.8
85°	251.3	160.6	154.3	130.4	143.2	167.0	200.4	173.4	143.2	101.8	97.0
87.5°	66.8	58.9	57.3	35.0	27.0	8.0	1.6	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)