

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: P634423

Luminaire Tested: GWS-SA3B-760-U-T2R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634423
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-SA3B-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9235.8 lumens
Efficiency: N/A
Efficacy: 135.2 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): 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

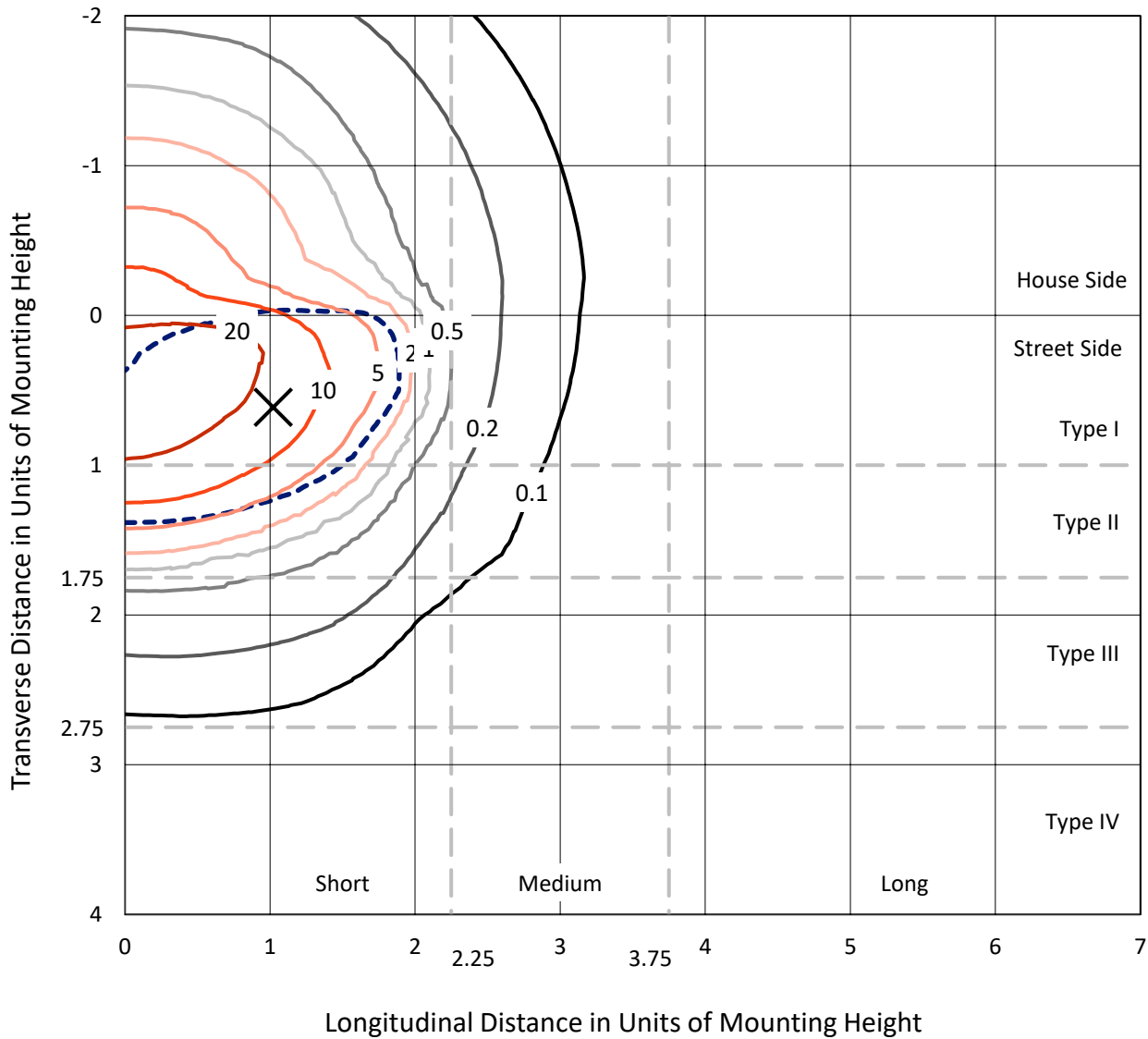


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Iso-Footcandle Lines of Horizontal Illumination

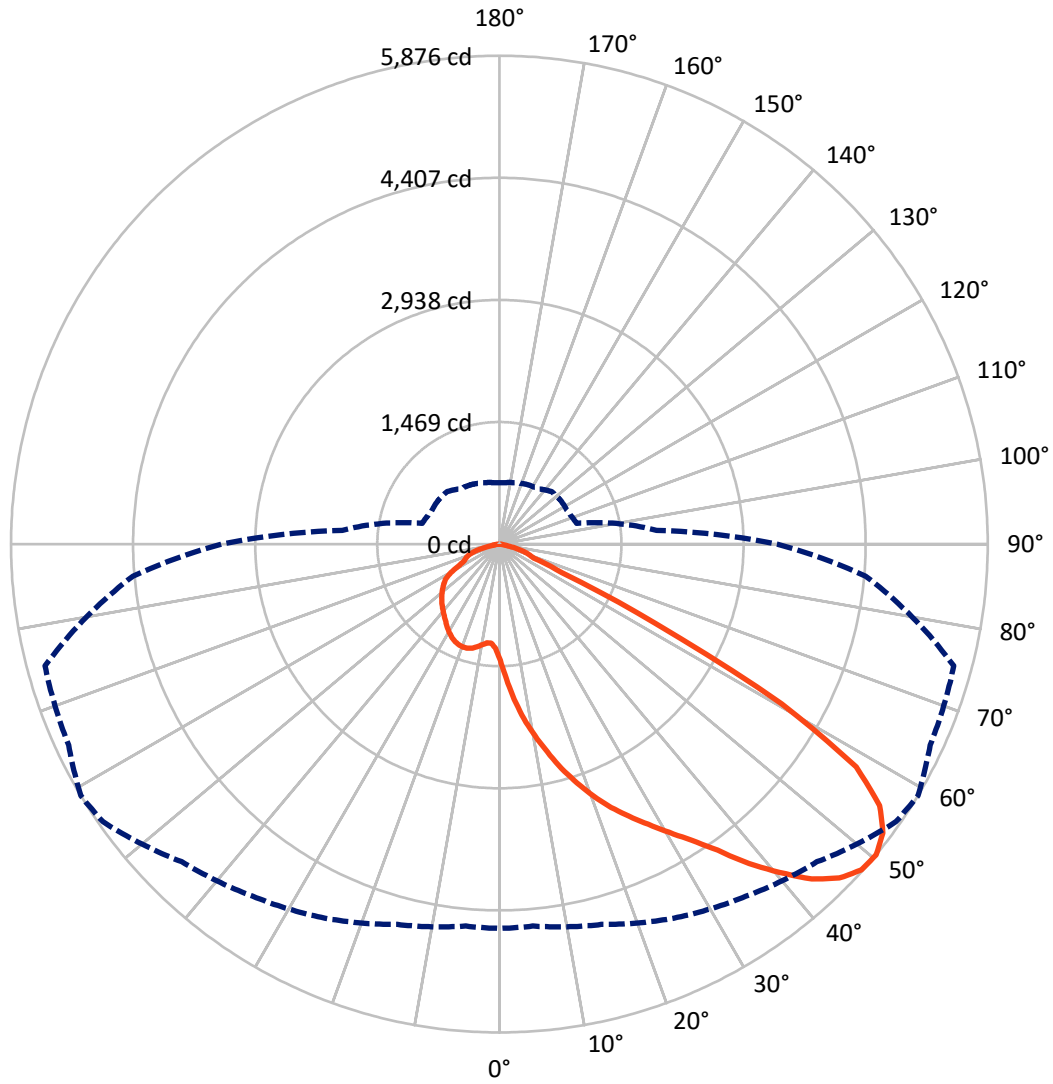
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 27.7 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	2124.4	0.0	2124.4
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	7111.4	0.0	7111.4
	% Fixture	77.0	0.0	77.0
Total	Lumens	9235.8	0.0	9235.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.0	1.7
10°-20°	569.9	6.2
20°-30°	1079.1	11.7
30°-40°	1789.4	19.4
40°-50°	2444.5	26.5
50°-60°	2218.9	24.0
60°-70°	738.9	8.0
70°-80°	215.5	2.3
80°-90°	22.6	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°	9235.8	100.0
0°-180°	9235.8	100.0

Coefficient of Utilization



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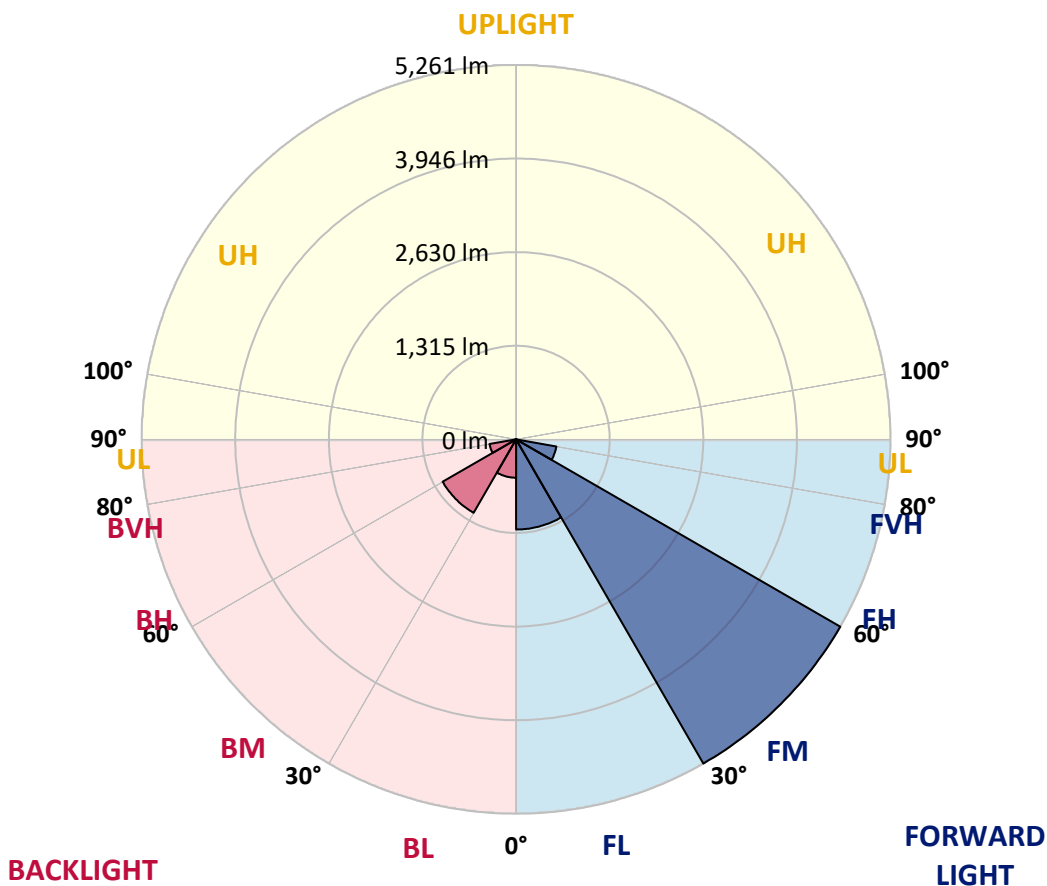
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1266.5	13.7			
FM (30°-60°)	5260.8	57.0			
FH (60°-80°)	575.3	6.2			G0/660
FVH (80°-90°)	8.9	0.1			G0/10
BL (0°-30°)	539.4	5.8	B2/1000		
BM (30°-60°)	1192.0	12.9	B2/2500		
BH (60°-80°)	379.2	4.1	B1/500		G1/500
BVH (80°-90°)	13.8	0.1			G1/100
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°	59°	65°	75°	85°
0°	1399.3	1399.3	1399.3	1399.3	1399.3	1399.3	1399.3	1399.3	1399.3	1399.3	1399.3
2.5°	1813.1	1826.6	1805.5	1807.0	1754.4	1730.3	1662.6	1622.7	1596.4	1522.7	1455.7
5°	2178.7	2162.9	2146.3	2136.5	2090.7	2026.0	1941.7	1874.7	1813.1	1668.6	1529.4
7.5°	2402.9	2394.6	2383.3	2377.3	2332.1	2264.4	2180.2	2123.0	2033.5	1837.9	1619.0
10°	2593.2	2583.4	2576.6	2581.2	2544.3	2500.7	2408.9	2343.4	2242.6	2016.9	1727.3
12.5°	2740.7	2745.9	2748.2	2772.2	2756.4	2730.1	2635.3	2566.1	2454.0	2205.8	1854.4
15°	2857.3	2855.8	2882.1	2928.0	2953.6	2937.0	2861.0	2803.1	2666.2	2391.6	1991.4
17.5°	2884.3	2885.8	2927.2	3007.7	3091.2	3131.8	3089.0	3019.8	2884.3	2575.1	2133.5
20°	2906.2	2909.2	2952.0	3043.8	3165.7	3279.3	3286.1	3236.4	3119.8	2773.8	2278.0
22.5°	3043.8	3050.6	3061.9	3119.8	3229.6	3373.3	3452.3	3441.8	3344.0	2982.1	2433.7
25°	3405.7	3385.4	3330.5	3313.9	3356.0	3472.6	3607.3	3627.6	3579.5	3211.6	2601.5
27.5°	3852.6	3830.7	3749.5	3663.7	3572.7	3613.3	3757.0	3818.0	3818.7	3464.4	2770.0
30°	4258.1	4240.7	4174.5	4051.9	3894.7	3836.0	3942.1	4024.1	4073.0	3756.3	2961.8
32.5°	4604.9	4589.1	4499.5	4399.5	4246.0	4127.9	4166.3	4245.3	4359.6	4133.9	3200.3
35°	4896.8	4881.0	4795.2	4694.4	4552.2	4481.5	4467.9	4522.1	4670.3	4528.1	3474.1
37.5°	5133.7	5117.9	5028.4	4933.6	4825.3	4829.8	4850.1	4876.4	4961.5	4950.2	3766.8
40°	5287.2	5270.7	5206.7	5139.0	5070.5	5124.7	5225.5	5193.9	5239.1	5291.0	4036.1
42.5°	5355.7	5334.6	5297.7	5282.7	5261.6	5345.9	5540.0	5508.4	5454.2	5518.2	4236.2
45°	5287.2	5269.2	5268.4	5314.3	5363.2	5471.5	5757.4	5731.8	5594.9	5628.0	4355.9
47.5°	5077.3	5061.5	5104.4	5224.8	5345.1	5503.1	5854.4	5859.0	5695.0	5673.9	4433.3
50°	4623.7	4613.1	4737.3	4965.2	5172.9	5404.6	5823.6	5875.5	5719.0	5659.6	4423.6
52.5°	3701.3	3750.2	4020.3	4401.0	4804.2	5231.5	5709.2	5777.0	5603.2	5565.6	4370.9
55°	2533.8	2556.3	2826.4	3382.4	4021.8	4856.9	5446.7	5551.3	5466.3	5549.8	4425.8
57.5°	1312.0	1330.1	1543.0	2036.5	2727.9	3838.3	4717.7	5060.8	5190.2	5629.5	4596.6
60°	538.7	553.7	641.7	880.2	1376.0	2235.1	3395.2	3903.7	4207.6	5141.3	4082.0
62.5°	391.2	398.7	440.9	525.1	720.7	1095.4	1921.4	2108.7	2322.4	3222.1	2591.7
65°	329.5	337.8	371.6	422.8	525.9	671.8	820.8	825.3	909.5	1312.8	960.7
67.5°	276.1	283.6	313.7	357.3	425.1	477.0	440.9	441.6	440.1	476.2	460.4
70°	215.2	221.2	251.3	297.9	333.3	306.2	344.6	381.4	365.6	379.9	401.7
72.5°	157.2	164.0	190.3	225.7	216.7	218.2	279.1	316.7	307.7	323.5	343.8
75°	113.6	118.1	131.7	112.8	118.9	143.7	196.4	216.7	225.7	239.2	257.3
77.5°	36.9	36.9	41.4	51.9	64.7	79.7	100.1	108.3	121.9	136.9	149.7
80°	18.8	19.6	23.3	28.6	36.1	45.9	58.7	62.4	69.2	77.5	82.8
82.5°	9.0	9.8	11.3	14.3	18.8	24.1	32.3	36.1	40.6	45.9	49.7
85°	2.3	2.3	3.0	4.5	6.0	9.0	12.0	14.3	18.1	21.8	24.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.8	2.3	3.0	3.8	4.5	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1399.3	1399.3	1399.3	1399.3	1399.3	1399.3	1399.3	1399.3	1399.3	1399.3	1399.3
2.5°	1425.6	1383.5	1329.3	1283.4	1241.3	1209.0	1181.1	1167.6	1154.8	1145.8	1148.8
5°	1464.7	1392.5	1291.7	1221.7	1178.9	1157.0	1142.0	1134.5	1133.0	1127.0	1124.7
7.5°	1521.9	1418.8	1284.2	1213.5	1184.9	1173.6	1165.3	1160.8	1163.1	1157.0	1154.8
10°	1592.6	1462.5	1303.0	1240.6	1215.7	1207.5	1198.4	1192.4	1189.4	1180.4	1178.9
12.5°	1680.7	1516.6	1336.8	1275.2	1250.3	1236.0	1224.0	1213.5	1206.7	1195.4	1192.4
15°	1775.4	1576.8	1376.7	1309.0	1279.7	1258.6	1239.0	1223.2	1211.2	1196.2	1193.9
17.5°	1878.5	1640.0	1409.8	1332.3	1294.7	1266.9	1238.3	1215.0	1198.4	1178.9	1176.6
20°	1986.1	1704.0	1434.6	1343.6	1295.5	1257.9	1219.5	1188.6	1167.6	1148.0	1146.5
22.5°	2097.4	1762.7	1449.7	1340.6	1283.4	1236.8	1190.9	1156.3	1131.5	1108.1	1106.6
25°	2209.5	1819.1	1453.5	1328.6	1259.4	1205.2	1159.3	1118.7	1090.8	1064.5	1061.5
27.5°	2323.1	1866.5	1444.4	1304.5	1227.0	1168.3	1122.4	1082.6	1054.0	1027.6	1023.1
30°	2444.2	1907.1	1424.9	1272.9	1189.4	1129.2	1084.1	1054.0	1026.9	1000.6	996.1
32.5°	2573.6	1942.5	1397.0	1234.5	1145.8	1090.1	1057.0	1029.9	1002.8	979.5	975.0
35°	2727.9	1965.8	1355.7	1184.9	1105.1	1061.5	1038.9	1007.3	974.2	948.7	946.4
37.5°	2887.4	1983.8	1306.0	1137.5	1069.8	1045.0	1026.1	983.3	941.9	911.0	907.3
40°	3041.6	1998.9	1244.3	1093.1	1037.4	1032.9	1007.3	953.9	882.5	847.8	844.8
42.5°	3185.3	2003.4	1179.6	1045.7	1008.1	1005.8	977.2	894.5	839.6	817.8	814.7
45°	3283.8	1999.6	1112.7	1001.3	978.8	966.7	936.6	851.6	817.8	798.2	794.4
47.5°	3356.8	1980.1	1037.4	954.7	945.6	929.1	864.4	824.5	792.9	773.4	769.6
50°	3344.0	1898.8	961.4	909.5	905.8	891.5	811.7	790.7	762.8	741.8	738.8
52.5°	3277.8	1744.6	884.0	859.9	867.4	839.6	774.1	750.0	726.0	701.9	696.6
55°	3294.3	1633.3	825.3	811.7	825.3	762.1	732.0	706.4	683.8	660.5	656.0
57.5°	3366.6	1523.4	762.8	759.8	774.1	702.7	677.8	645.5	613.1	594.3	594.3
60°	2827.2	1110.4	653.0	660.5	692.9	654.5	632.7	599.6	564.2	547.7	547.7
62.5°	1671.6	696.6	541.7	533.4	553.7	577.8	589.8	562.7	520.6	498.8	499.5
65°	736.5	507.1	477.7	470.9	464.9	481.5	514.6	516.8	472.4	446.9	447.6
67.5°	453.6	458.9	446.9	441.6	436.3	433.3	430.3	431.8	419.8	396.5	395.7
70°	409.3	423.5	415.3	410.8	404.0	398.7	380.7	351.3	331.0	325.0	331.8
72.5°	352.1	371.6	367.1	364.9	356.6	343.8	319.7	291.1	267.1	252.0	255.0
75°	265.6	281.4	283.6	284.4	275.3	263.3	238.5	214.4	193.3	177.5	181.3
77.5°	152.7	161.7	164.0	166.3	159.5	155.0	138.4	121.1	109.8	93.3	97.8
80°	85.0	88.8	88.8	89.5	85.8	80.5	69.2	59.4	54.2	46.6	47.4
82.5°	51.2	52.7	53.4	54.2	51.9	46.6	38.4	31.6	28.6	24.8	24.1
85°	24.8	26.3	26.3	27.1	23.3	20.3	15.8	12.0	10.5	7.5	8.3
87.5°	6.0	6.8	6.8	6.0	5.3	3.8	2.3	0.8	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)