

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: P634258

Luminaire Tested: GWS-SA3B-735-U-T2R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634258
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-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9028.9 lumens
Efficiency: N/A
Efficacy: 132.2 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

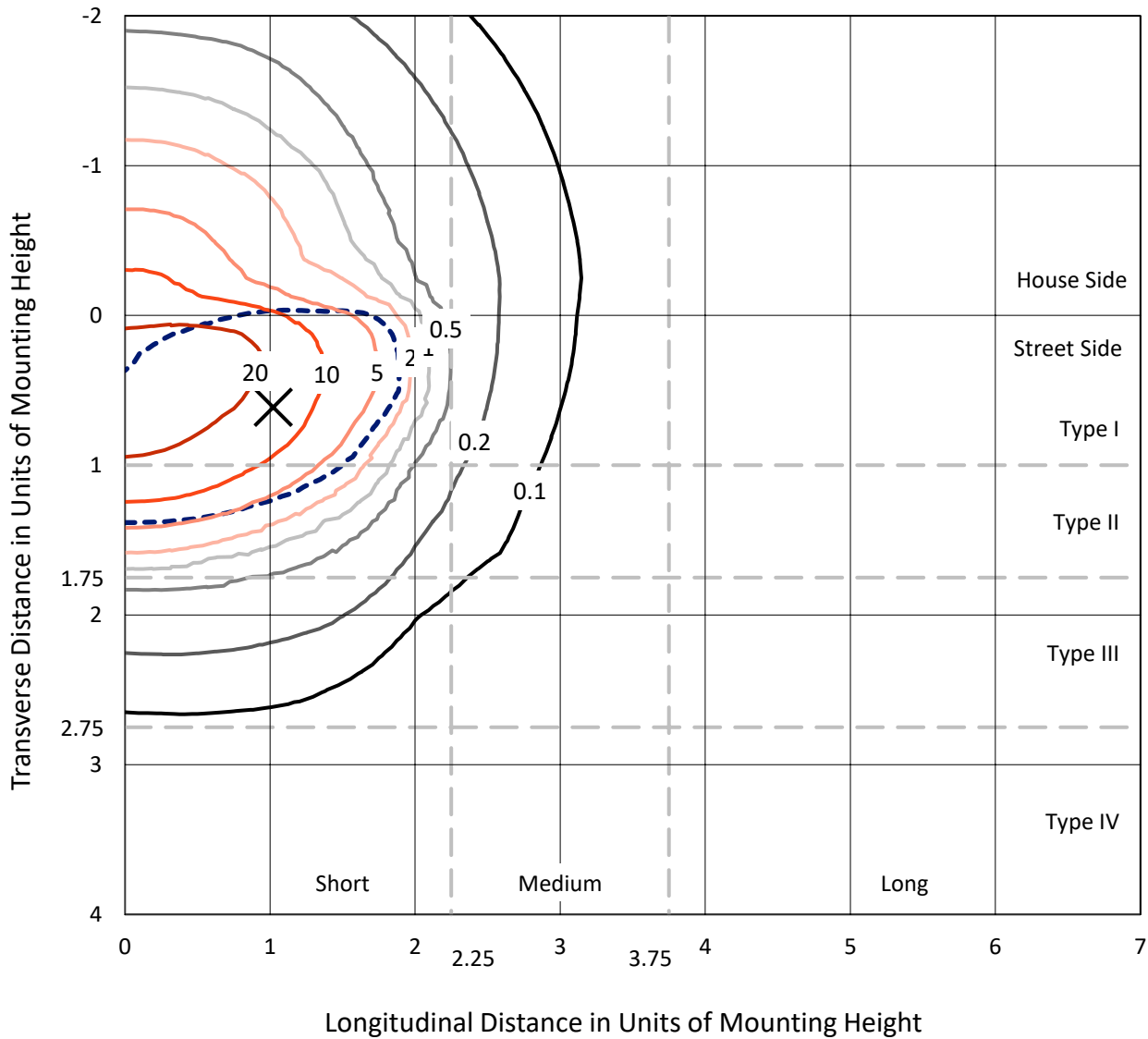


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Iso-Footcandle Lines of Horizontal Illumination

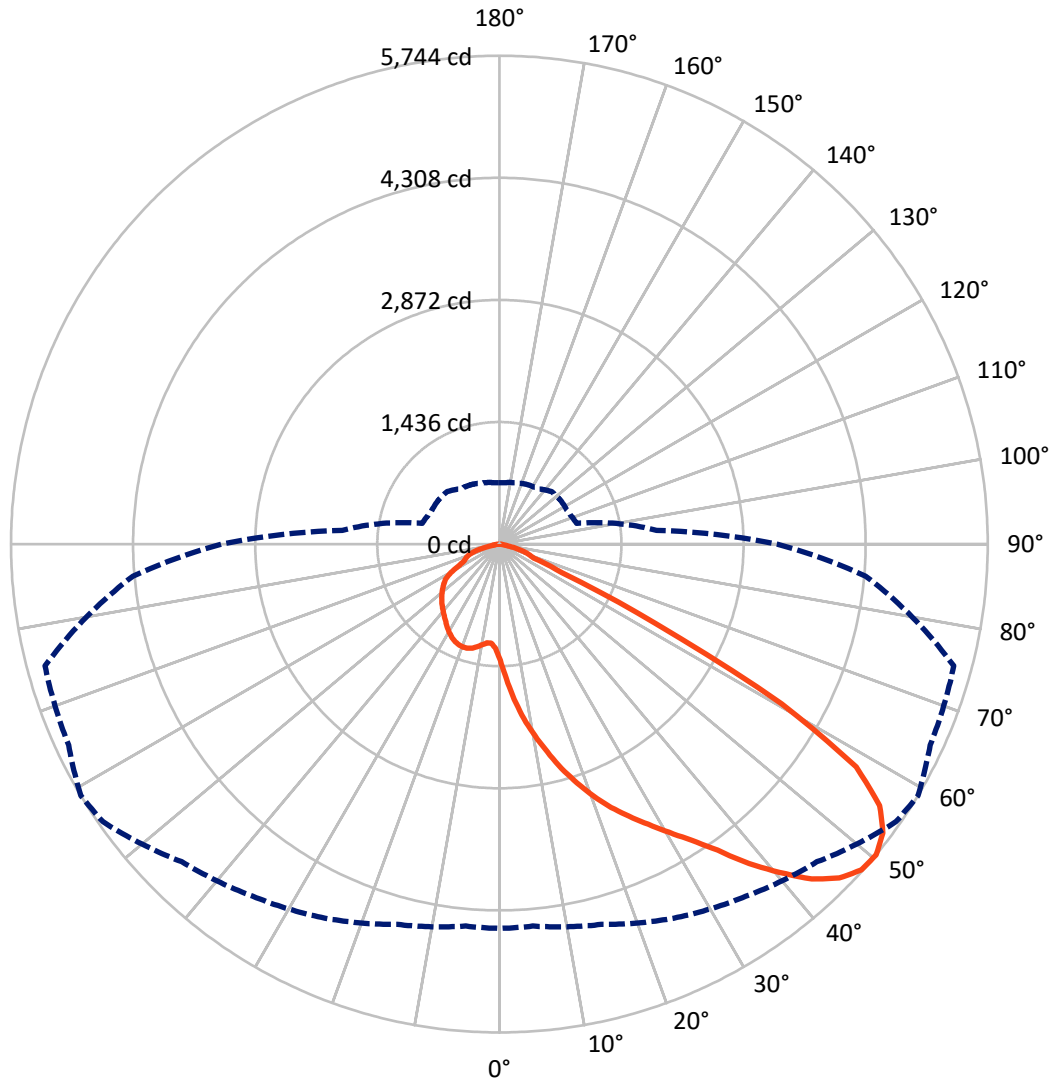
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 27 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	2076.8	0.0	2076.8
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	6952.1	0.0	6952.1
	% Fixture	77.0	0.0	77.0
Total	Lumens	9028.9	0.0	9028.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.5	1.7
10°-20°	557.1	6.2
20°-30°	1054.9	11.7
30°-40°	1749.3	19.4
40°-50°	2389.7	26.5
50°-60°	2169.2	24.0
60°-70°	722.4	8.0
70°-80°	210.7	2.3
80°-90°	22.1	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°	9028.9	100.0
0°-180°	9028.9	100.0

Coefficient of Utilization



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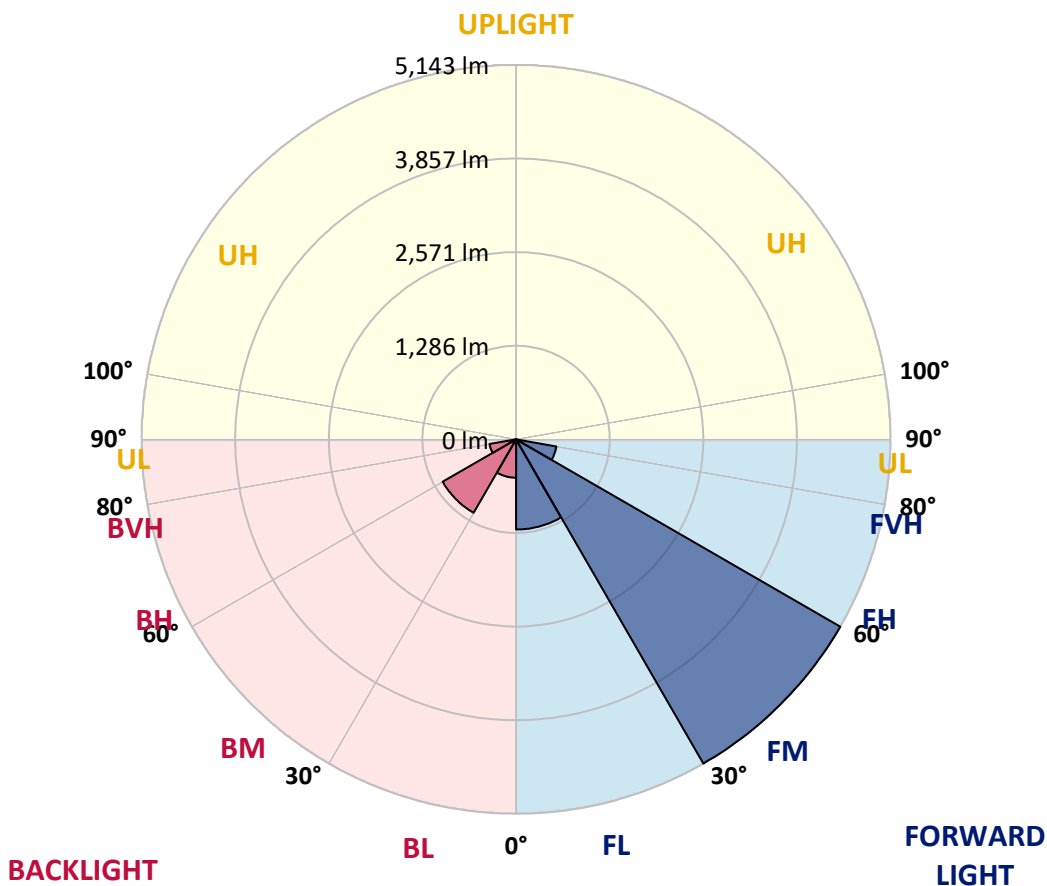
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1238.1	13.7			
FM (30°-60°)	5143.0	57.0			
FH (60°-80°)	562.4	6.2			G0/660
FVH (80°-90°)	8.7	0.1			G0/10
BL (0°-30°)	527.4	5.8	B2/1000		
BM (30°-60°)	1165.3	12.9	B2/2500		
BH (60°-80°)	370.7	4.1	B1/500		G1/500
BVH (80°-90°)	13.5	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°	1367.9	1367.9	1367.9	1367.9	1367.9	1367.9	1367.9	1367.9	1367.9	1367.9	1367.9
2.5°	1772.4	1785.7	1765.1	1766.6	1715.1	1691.5	1625.4	1586.4	1560.6	1488.6	1423.1
5°	2129.9	2114.4	2098.2	2088.7	2043.8	1980.6	1898.2	1832.7	1772.4	1631.2	1495.2
7.5°	2349.0	2340.9	2329.9	2324.0	2279.9	2213.7	2131.3	2075.4	1987.9	1796.7	1582.7
10°	2535.1	2525.5	2518.9	2523.3	2487.3	2444.6	2354.9	2290.9	2192.4	1971.7	1688.6
12.5°	2679.3	2684.4	2686.6	2710.1	2694.7	2669.0	2576.3	2508.6	2399.0	2156.3	1812.9
15°	2793.2	2791.8	2817.5	2862.4	2887.4	2871.2	2796.9	2740.3	2606.4	2338.0	1946.7
17.5°	2819.7	2821.2	2861.6	2940.3	3022.0	3061.7	3019.8	2952.1	2819.7	2517.5	2085.7
20°	2841.1	2844.0	2885.9	2975.6	3094.8	3205.8	3212.5	3163.9	3049.9	2711.6	2227.0
22.5°	2975.6	2982.3	2993.3	3049.9	3157.3	3297.8	3375.0	3364.7	3269.1	2915.3	2379.2
25°	3329.4	3309.5	3255.8	3239.7	3280.9	3394.9	3526.5	3546.4	3499.3	3139.6	2543.2
27.5°	3766.3	3744.9	3665.5	3581.7	3492.7	3532.4	3672.9	3732.4	3733.2	3386.8	2707.9
30°	4162.7	4145.7	4081.0	3961.1	3807.4	3750.1	3853.8	3933.9	3981.7	3672.1	2895.5
32.5°	4501.7	4486.3	4398.7	4300.9	4150.9	4035.4	4072.9	4150.2	4261.9	4041.3	3128.6
35°	4787.1	4771.6	4687.8	4589.2	4450.2	4381.1	4367.9	4420.8	4565.7	4426.7	3396.3
37.5°	5018.7	5003.3	4915.8	4823.1	4717.2	4721.6	4741.5	4767.2	4850.3	4839.3	3682.4
40°	5168.8	5152.6	5090.1	5023.9	4957.0	5009.9	5108.5	5077.6	5121.7	5172.4	3945.7
42.5°	5235.7	5215.1	5179.1	5164.3	5143.8	5226.1	5415.9	5385.0	5332.0	5394.5	4141.3
45°	5168.8	5151.1	5150.4	5195.2	5243.0	5348.9	5628.4	5603.4	5469.6	5501.9	4258.3
47.5°	4963.6	4948.1	4990.0	5107.7	5225.4	5379.8	5723.3	5727.7	5567.4	5546.8	4334.0
50°	4520.1	4509.8	4631.1	4854.0	5057.0	5283.5	5693.1	5743.9	5590.9	5532.8	4324.5
52.5°	3618.4	3666.2	3930.3	4302.4	4696.6	5114.3	5581.4	5647.5	5477.7	5440.9	4273.0
55°	2477.0	2499.1	2763.1	3306.6	3931.7	4748.1	5324.7	5426.9	5343.8	5425.4	4326.7
57.5°	1282.6	1300.3	1508.4	1990.9	2666.8	3752.3	4612.0	4947.4	5073.9	5503.4	4493.6
60°	526.6	541.3	627.3	860.5	1345.1	2185.0	3319.1	3816.3	4113.4	5026.1	3990.6
62.5°	382.4	389.8	431.0	513.3	704.6	1070.8	1878.3	2061.5	2270.3	3149.9	2533.6
65°	322.1	330.2	363.3	413.3	514.1	656.8	802.4	806.8	889.2	1283.4	939.2
67.5°	269.9	277.3	306.7	349.3	415.5	466.3	431.0	431.7	430.2	465.5	450.1
70°	210.3	216.2	245.6	291.2	325.8	299.3	336.8	372.9	357.4	371.4	392.7
72.5°	153.7	160.3	186.1	220.6	211.8	213.3	272.9	309.6	300.8	316.2	336.1
75°	111.1	115.5	128.7	110.3	116.2	140.5	192.0	211.8	220.6	233.9	251.5
77.5°	36.0	36.0	40.4	50.7	63.2	78.0	97.8	105.9	119.1	133.9	146.4
80°	18.4	19.1	22.8	27.9	35.3	44.9	57.4	61.0	67.7	75.8	80.9
82.5°	8.8	9.6	11.0	14.0	18.4	23.5	31.6	35.3	39.7	44.9	48.5
85°	2.2	2.2	2.9	4.4	5.9	8.8	11.8	14.0	17.7	21.3	23.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.7	2.2	2.9	3.7	4.4	5.9
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°	1367.9	1367.9	1367.9	1367.9	1367.9	1367.9	1367.9	1367.9	1367.9	1367.9	1367.9
2.5°	1393.7	1352.5	1299.5	1254.7	1213.5	1181.9	1154.7	1141.4	1128.9	1120.1	1123.0
5°	1431.9	1361.3	1262.8	1194.4	1152.5	1131.1	1116.4	1109.1	1107.6	1101.7	1099.5
7.5°	1487.8	1387.1	1255.4	1186.3	1158.3	1147.3	1139.2	1134.8	1137.0	1131.1	1128.9
10°	1557.0	1429.7	1273.8	1212.8	1188.5	1180.4	1171.6	1165.7	1162.8	1153.9	1152.5
12.5°	1643.0	1482.7	1306.9	1246.6	1222.3	1208.3	1196.6	1186.3	1179.7	1168.6	1165.7
15°	1735.7	1541.5	1345.9	1279.7	1251.0	1230.4	1211.3	1195.8	1184.1	1169.4	1167.2
17.5°	1836.4	1603.3	1378.2	1302.5	1265.7	1238.5	1210.6	1187.8	1171.6	1152.5	1150.2
20°	1941.6	1665.8	1402.5	1313.5	1266.4	1229.7	1192.2	1162.0	1141.4	1122.3	1120.8
22.5°	2050.4	1723.2	1417.2	1310.6	1254.7	1209.1	1164.2	1130.4	1106.1	1083.3	1081.9
25°	2160.0	1778.3	1420.9	1298.8	1231.1	1178.2	1133.3	1093.6	1066.4	1040.7	1037.7
27.5°	2271.1	1824.7	1412.1	1275.3	1199.5	1142.2	1097.3	1058.3	1030.4	1004.6	1000.2
30°	2389.5	1864.4	1392.9	1244.4	1162.8	1103.9	1059.8	1030.4	1003.9	978.2	973.7
32.5°	2516.0	1898.9	1365.7	1206.9	1120.1	1065.7	1033.3	1006.8	980.4	957.6	953.1
35°	2666.8	1921.7	1325.3	1158.3	1080.4	1037.7	1015.7	984.8	952.4	927.4	925.2
37.5°	2822.7	1939.4	1276.7	1112.0	1045.8	1021.5	1003.2	961.2	920.8	890.6	887.0
40°	2973.4	1954.1	1216.4	1068.6	1014.2	1009.8	984.8	932.6	862.7	828.9	825.9
42.5°	3113.9	1958.5	1153.2	1022.3	985.5	983.3	955.4	874.5	820.8	799.4	796.5
45°	3210.3	1954.8	1087.7	978.9	956.8	945.1	915.6	832.5	799.4	780.3	776.6
47.5°	3281.6	1935.7	1014.2	933.3	924.5	908.3	845.0	806.1	775.2	756.0	752.4
50°	3269.1	1856.3	939.9	889.2	885.5	871.5	793.6	773.0	745.7	725.2	722.2
52.5°	3204.4	1705.5	864.2	840.6	848.0	820.8	756.8	733.2	709.7	686.2	681.0
55°	3220.5	1596.7	806.8	793.6	806.8	745.0	715.6	690.6	668.5	645.7	641.3
57.5°	3291.2	1489.3	745.7	742.8	756.8	686.9	662.6	631.0	599.4	581.0	581.0
60°	2763.8	1085.5	638.4	645.7	677.4	639.8	618.5	586.2	551.6	535.4	535.4
62.5°	1634.2	681.0	529.5	521.4	541.3	564.8	576.6	550.1	508.9	487.6	488.3
65°	720.0	495.7	467.0	460.4	454.5	470.7	503.0	505.3	461.9	436.9	437.6
67.5°	443.5	448.6	436.9	431.7	426.6	423.6	420.7	422.1	410.4	387.6	386.8
70°	400.1	414.1	406.0	401.6	394.9	389.8	372.1	343.5	323.6	317.7	324.3
72.5°	344.2	363.3	358.9	356.7	348.6	336.1	312.6	284.6	261.1	246.4	249.3
75°	259.6	275.1	277.3	278.0	269.2	257.4	233.1	209.6	189.0	173.6	177.2
77.5°	149.3	158.1	160.3	162.5	155.9	151.5	135.3	118.4	107.4	91.2	95.6
80°	83.1	86.8	86.8	87.5	83.8	78.7	67.7	58.1	53.0	45.6	46.3
82.5°	50.0	51.5	52.2	53.0	50.7	45.6	37.5	30.9	27.9	24.3	23.5
85°	24.3	25.7	25.7	26.5	22.8	19.9	15.4	11.8	10.3	7.4	8.1
87.5°	5.9	6.6	6.6	5.9	5.1	3.7	2.2	0.7	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)