

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: P634368

Luminaire Tested: GWS-SA3B-750-U-T2R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634368
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-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: 9364.1 lumens
Efficiency: N/A
Efficacy: 137.1 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

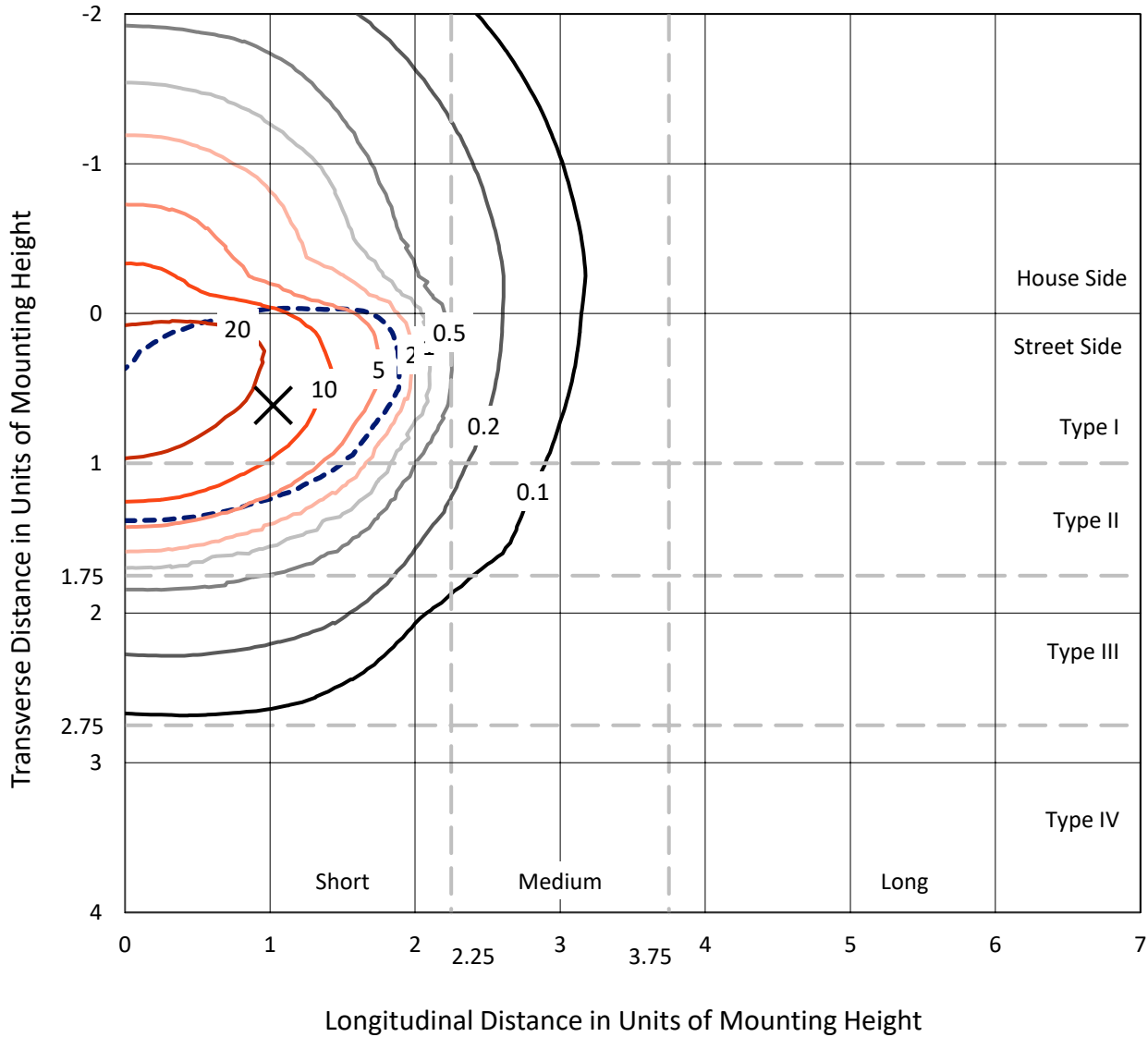
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

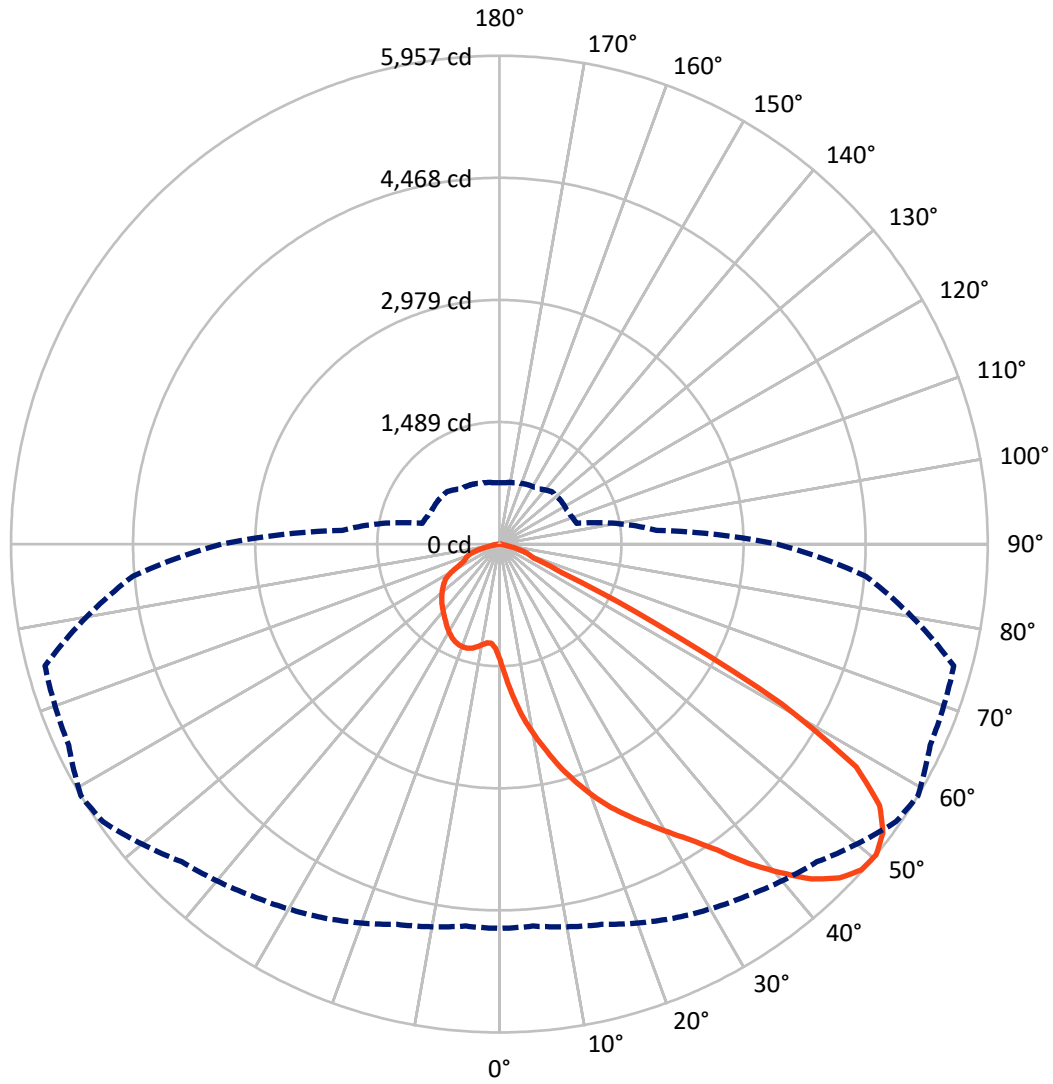
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 28 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	2153.9	0.0	2153.9
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	7210.2	0.0	7210.2
	% Fixture	77.0	0.0	77.0
Total	Lumens	9364.1	0.0	9364.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.2	1.7
10°-20°	577.8	6.2
20°-30°	1094.1	11.7
30°-40°	1814.3	19.4
40°-50°	2478.4	26.5
50°-60°	2249.8	24.0
60°-70°	749.2	8.0
70°-80°	218.5	2.3
80°-90°	23.0	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°	9364.1	100.0
0°-180°	9364.1	100.0

Coefficient of Utilization



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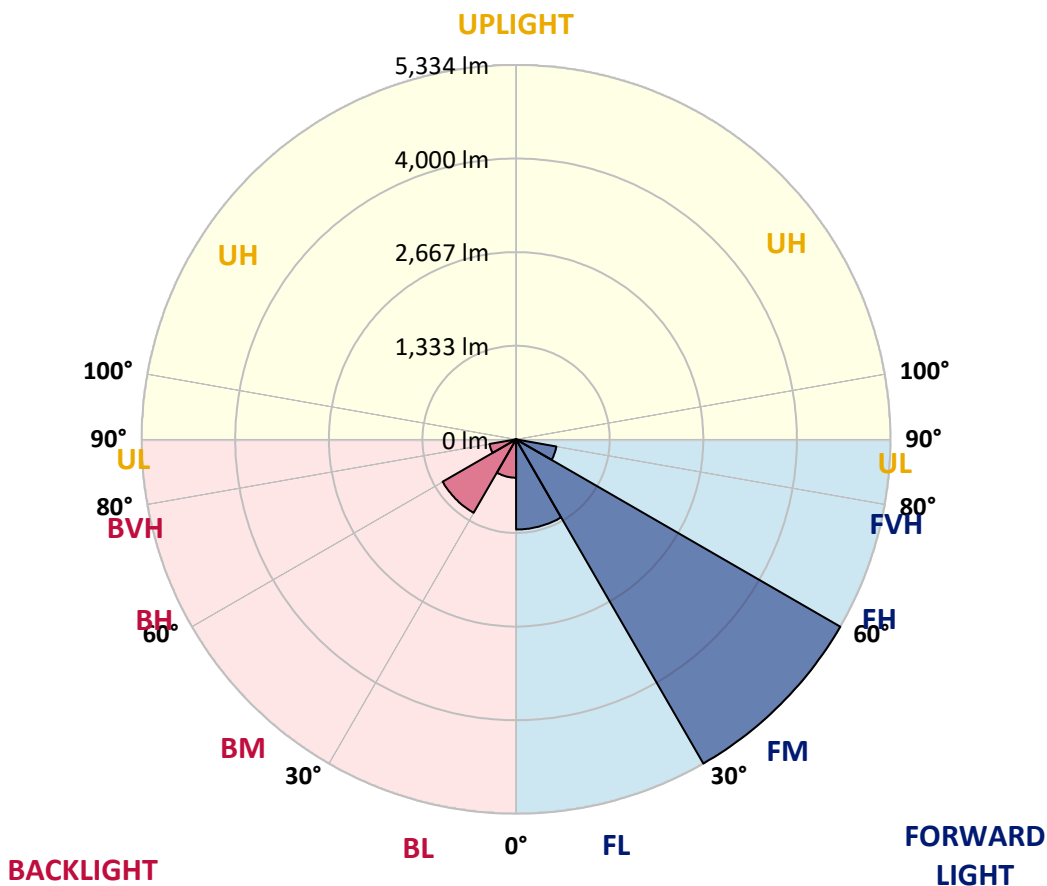
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1284.0	13.7			
FM (30°-60°)	5333.9	57.0			
FH (60°-80°)	583.3	6.2			G0/660
FVH (80°-90°)	9.0	0.1			G0/10
BL (0°-30°)	546.9	5.8	B2/1000		
BM (30°-60°)	1208.6	12.9	B2/2500		
BH (60°-80°)	384.5	4.1	B1/500		G1/500
BVH (80°-90°)	14.0	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°	1418.7	1418.7	1418.7	1418.7	1418.7	1418.7	1418.7	1418.7	1418.7	1418.7	1418.7
2.5°	1838.2	1852.0	1830.6	1832.1	1778.7	1754.3	1685.7	1645.3	1618.6	1543.8	1475.9
5°	2208.9	2192.9	2176.1	2166.2	2119.7	2054.1	1968.7	1900.8	1838.2	1691.8	1550.7
7.5°	2436.2	2427.9	2416.4	2410.3	2364.5	2295.9	2210.5	2152.5	2061.7	1863.4	1641.5
10°	2629.2	2619.3	2612.4	2617.0	2579.6	2535.4	2442.3	2376.0	2273.8	2045.0	1751.3
12.5°	2778.7	2784.1	2786.4	2810.8	2794.7	2768.0	2671.9	2601.8	2488.1	2236.4	1880.2
15°	2896.9	2895.4	2922.1	2968.6	2994.6	2977.8	2900.8	2842.0	2703.2	2424.8	2019.0
17.5°	2924.4	2925.9	2967.9	3049.5	3134.2	3175.4	3131.9	3061.7	2924.4	2610.9	2163.2
20°	2946.5	2949.6	2993.1	3086.1	3209.7	3324.9	3331.7	3281.4	3163.2	2812.3	2309.6
22.5°	3086.1	3093.0	3104.4	3163.2	3274.5	3420.2	3500.3	3489.6	3390.5	3023.6	2467.5
25°	3453.0	3432.4	3376.7	3359.9	3402.7	3520.9	3657.4	3678.0	3629.2	3256.2	2637.6
27.5°	3906.1	3884.0	3801.6	3714.6	3622.3	3663.5	3809.2	3871.0	3871.8	3512.5	2808.5
30°	4317.2	4299.7	4232.5	4108.2	3948.8	3889.3	3996.8	4080.0	4129.6	3808.4	3003.0
32.5°	4668.8	4652.8	4562.0	4460.6	4305.0	4185.2	4224.1	4304.2	4420.2	4191.3	3244.8
35°	4964.8	4948.8	4861.8	4759.6	4615.4	4543.7	4530.0	4584.9	4735.2	4591.0	3522.4
37.5°	5205.1	5189.0	5098.3	5002.2	4892.3	4896.9	4917.5	4944.2	5030.4	5018.9	3819.1
40°	5360.7	5343.9	5279.0	5210.4	5141.0	5195.9	5298.1	5266.1	5311.8	5364.5	4092.2
42.5°	5430.1	5408.7	5371.3	5356.1	5334.7	5420.1	5616.9	5584.9	5530.0	5594.8	4295.1
45°	5360.7	5342.3	5341.6	5388.1	5437.7	5547.5	5837.4	5811.4	5672.6	5706.2	4416.4
47.5°	5147.8	5131.8	5175.3	5297.3	5419.4	5579.6	5935.8	5940.3	5774.1	5752.7	4494.9
50°	4687.9	4677.2	4803.1	5034.2	5244.7	5479.6	5904.5	5957.1	5798.5	5738.2	4485.0
52.5°	3752.8	3802.3	4076.2	4462.1	4871.0	5304.2	5788.6	5857.2	5681.0	5642.9	4431.6
55°	2569.0	2591.8	2865.7	3429.4	4077.7	4924.4	5522.4	5628.4	5542.2	5626.9	4487.3
57.5°	1330.2	1348.6	1564.4	2064.8	2765.8	3891.6	4783.2	5131.1	5262.3	5707.7	4660.4
60°	546.1	561.4	650.6	892.4	1395.1	2266.2	3442.3	3957.9	4266.1	5212.7	4138.7
62.5°	396.6	404.3	447.0	532.4	730.7	1110.6	1948.1	2138.0	2354.6	3266.9	2627.7
65°	334.1	342.5	376.8	428.7	533.2	681.1	832.2	836.7	922.2	1331.0	974.0
67.5°	279.9	287.6	318.1	362.3	431.0	483.6	447.0	447.7	446.2	482.8	466.8
70°	218.1	224.3	254.8	302.1	337.9	310.4	349.3	386.7	370.7	385.2	407.3
72.5°	159.4	166.3	193.0	228.8	219.7	221.2	283.0	321.1	312.0	328.0	348.6
75°	115.2	119.8	133.5	114.4	120.5	145.7	199.1	219.7	228.8	242.6	260.9
77.5°	37.4	37.4	42.0	52.6	65.6	80.9	101.4	109.8	123.6	138.8	151.8
80°	19.1	19.8	23.6	29.0	36.6	46.5	59.5	63.3	70.2	78.6	83.9
82.5°	9.2	9.9	11.4	14.5	19.1	24.4	32.8	36.6	41.2	46.5	50.3
85°	2.3	2.3	3.1	4.6	6.1	9.2	12.2	14.5	18.3	22.1	24.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.8	2.3	3.1	3.8	4.6	6.1
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°	1418.7	1418.7	1418.7	1418.7	1418.7	1418.7	1418.7	1418.7	1418.7	1418.7	1418.7
2.5°	1445.4	1402.7	1347.8	1301.3	1258.5	1225.7	1197.5	1183.8	1170.8	1161.7	1164.7
5°	1485.1	1411.9	1309.7	1238.7	1195.2	1173.1	1157.9	1150.2	1148.7	1142.6	1140.3
7.5°	1543.1	1438.6	1302.0	1230.3	1201.3	1189.9	1181.5	1176.9	1179.2	1173.1	1170.8
10°	1614.8	1482.8	1321.1	1257.8	1232.6	1224.2	1215.1	1209.0	1205.9	1196.8	1195.2
12.5°	1704.0	1537.7	1355.4	1292.9	1267.7	1253.2	1241.0	1230.3	1223.5	1212.0	1209.0
15°	1800.1	1598.7	1395.8	1327.2	1297.4	1276.1	1256.3	1240.2	1228.0	1212.8	1210.5
17.5°	1904.6	1662.8	1429.4	1350.8	1312.7	1284.5	1255.5	1231.9	1215.1	1195.2	1193.0
20°	2013.7	1727.6	1454.6	1362.3	1313.5	1275.3	1236.4	1205.2	1183.8	1164.0	1162.4
22.5°	2126.6	1787.1	1469.8	1359.2	1301.3	1254.0	1207.4	1172.4	1147.2	1123.5	1122.0
25°	2240.2	1844.3	1473.6	1347.0	1276.9	1221.9	1175.4	1134.2	1106.0	1079.3	1076.2
27.5°	2355.4	1892.4	1464.5	1322.6	1244.1	1184.6	1138.0	1097.6	1068.6	1041.9	1037.3
30°	2478.2	1933.6	1444.7	1290.6	1205.9	1144.9	1099.1	1068.6	1041.2	1014.5	1009.9
32.5°	2609.4	1969.4	1416.4	1251.7	1161.7	1105.2	1071.7	1044.2	1016.8	993.1	988.5
35°	2765.8	1993.1	1374.5	1201.3	1120.5	1076.2	1053.4	1021.3	987.8	961.8	959.5
37.5°	2927.5	2011.4	1324.1	1153.3	1084.6	1059.5	1040.4	996.9	955.0	923.7	919.9
40°	3083.8	2026.6	1261.6	1108.3	1051.8	1047.3	1021.3	967.2	894.7	859.6	856.6
42.5°	3229.5	2031.2	1196.0	1060.2	1022.1	1019.8	990.8	906.9	851.2	829.1	826.1
45°	3329.4	2027.4	1128.1	1015.2	992.3	980.1	949.6	863.4	829.1	809.3	805.5
47.5°	3403.4	2007.6	1051.8	967.9	958.8	942.0	876.4	836.0	803.9	784.1	780.3
50°	3390.5	1925.2	974.8	922.2	918.4	903.9	823.0	801.7	773.4	752.1	749.0
52.5°	3323.3	1768.8	896.2	871.8	879.5	851.2	784.9	760.5	736.1	711.7	706.3
55°	3340.1	1655.9	836.7	823.0	836.7	772.7	742.2	716.2	693.3	669.7	665.1
57.5°	3413.3	1544.6	773.4	770.4	784.9	712.4	687.2	654.4	621.6	602.6	602.6
60°	2866.4	1125.8	662.1	669.7	702.5	663.6	641.5	607.9	572.1	555.3	555.3
62.5°	1694.8	706.3	549.2	540.8	561.4	585.8	598.0	570.5	527.8	505.7	506.5
65°	746.7	514.1	484.4	477.5	471.4	488.2	521.7	524.0	479.0	453.1	453.8
67.5°	459.9	465.3	453.1	447.7	442.4	439.3	436.3	437.8	425.6	402.0	401.2
70°	414.9	429.4	421.0	416.5	409.6	404.3	386.0	356.2	335.6	329.5	336.4
72.5°	357.0	376.8	372.2	369.9	361.5	348.6	324.2	295.2	270.8	255.5	258.6
75°	269.3	285.3	287.6	288.3	279.2	267.0	241.8	217.4	196.0	180.0	183.8
77.5°	154.8	164.0	166.3	168.6	161.7	157.1	140.3	122.8	111.4	94.6	99.2
80°	86.2	90.0	90.0	90.8	87.0	81.6	70.2	60.3	54.9	47.3	48.1
82.5°	51.9	53.4	54.2	54.9	52.6	47.3	38.9	32.0	29.0	25.2	24.4
85°	25.2	26.7	26.7	27.5	23.6	20.6	16.0	12.2	10.7	7.6	8.4
87.5°	6.1	6.9	6.9	6.1	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)