

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: P641800

Luminaire Tested: GWS-SA6B-750-U-T3R-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641800  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-16)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6B-750-U-T3R-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (96) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

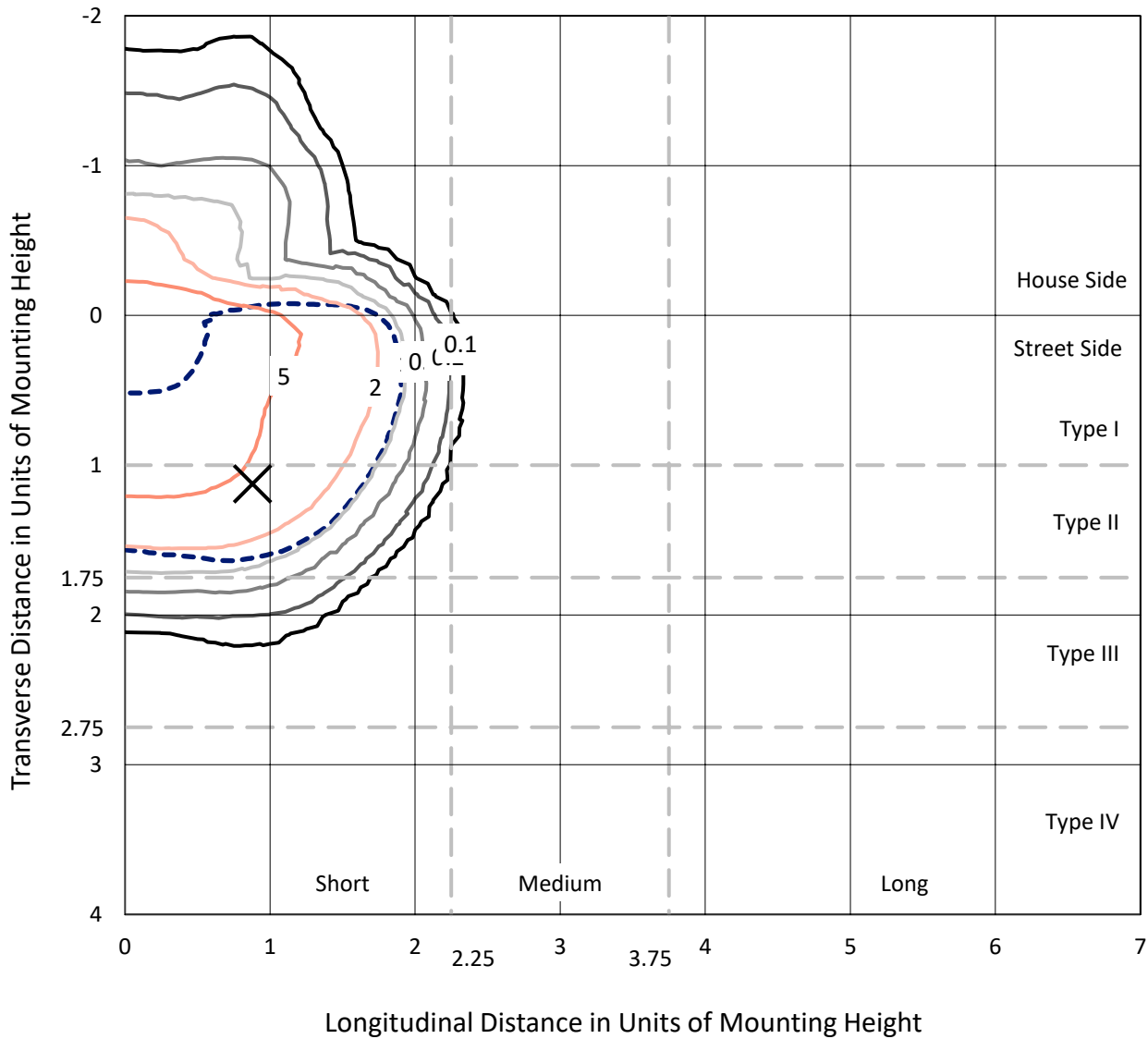
Lumens per Lamp: N/A  
Luminaire Lumens: 13583.5 lumens  
Efficiency: N/A  
Efficacy: 97.8 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 138.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

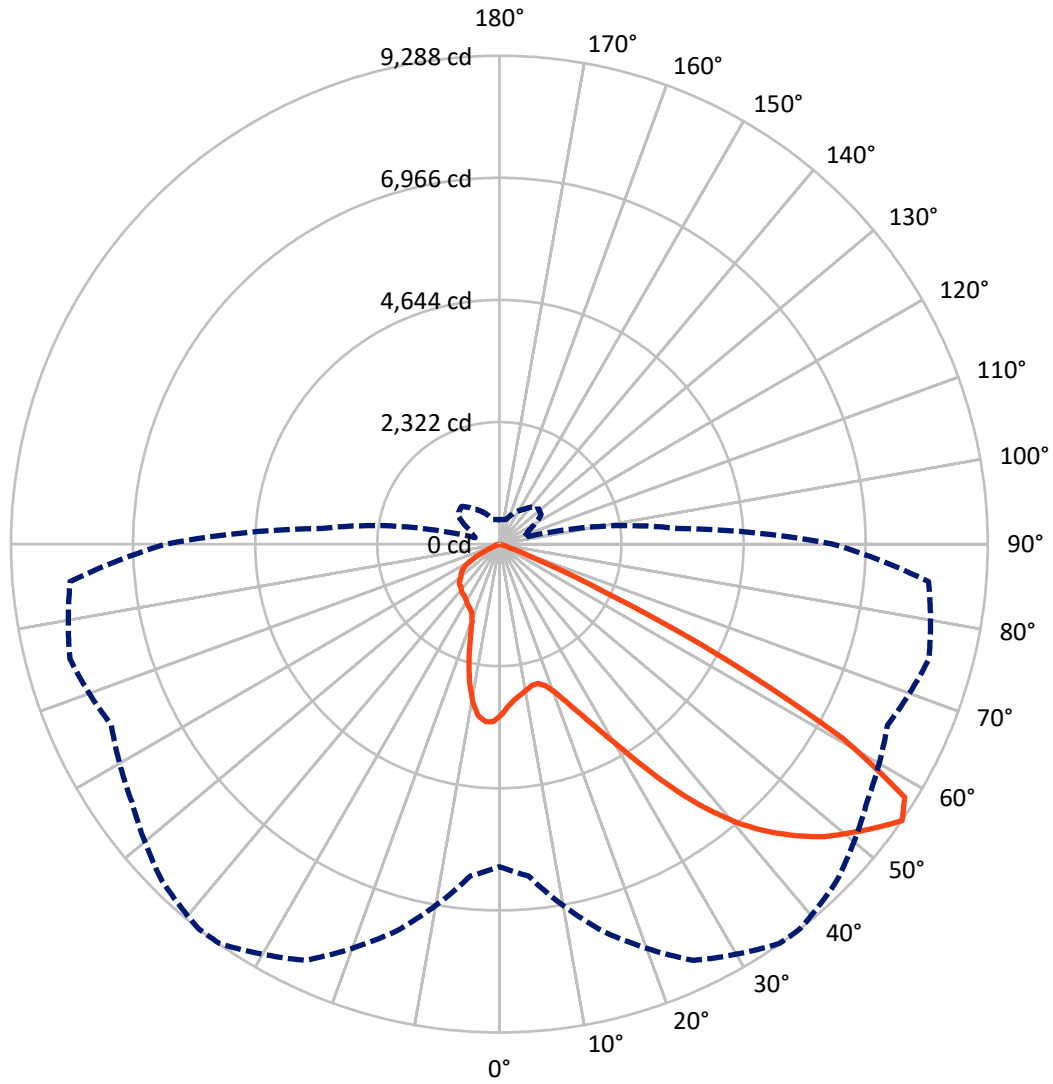
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.5 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2646.5	0.0	2646.5
	% Fixture	19.5	0.0	19.5
<b>Street Side</b>	Lumens	10937.0	0.0	10937.0
	% Fixture	80.5	0.0	80.5
<b>Total</b>	Lumens	13583.5	0.0	13583.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	301.2	2.2
10°-20°	810.8	6.0
20°-30°	1391.5	10.2
30°-40°	2307.8	17.0
40°-50°	3392.6	25.0
50°-60°	3964.4	29.2
60°-70°	1343.8	9.9
70°-80°	68.7	0.5
80°-90°	2.7	0.0
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°	13583.5	100.0
0°-180°	13583.5	100.0

**Coefficient of Utilization**



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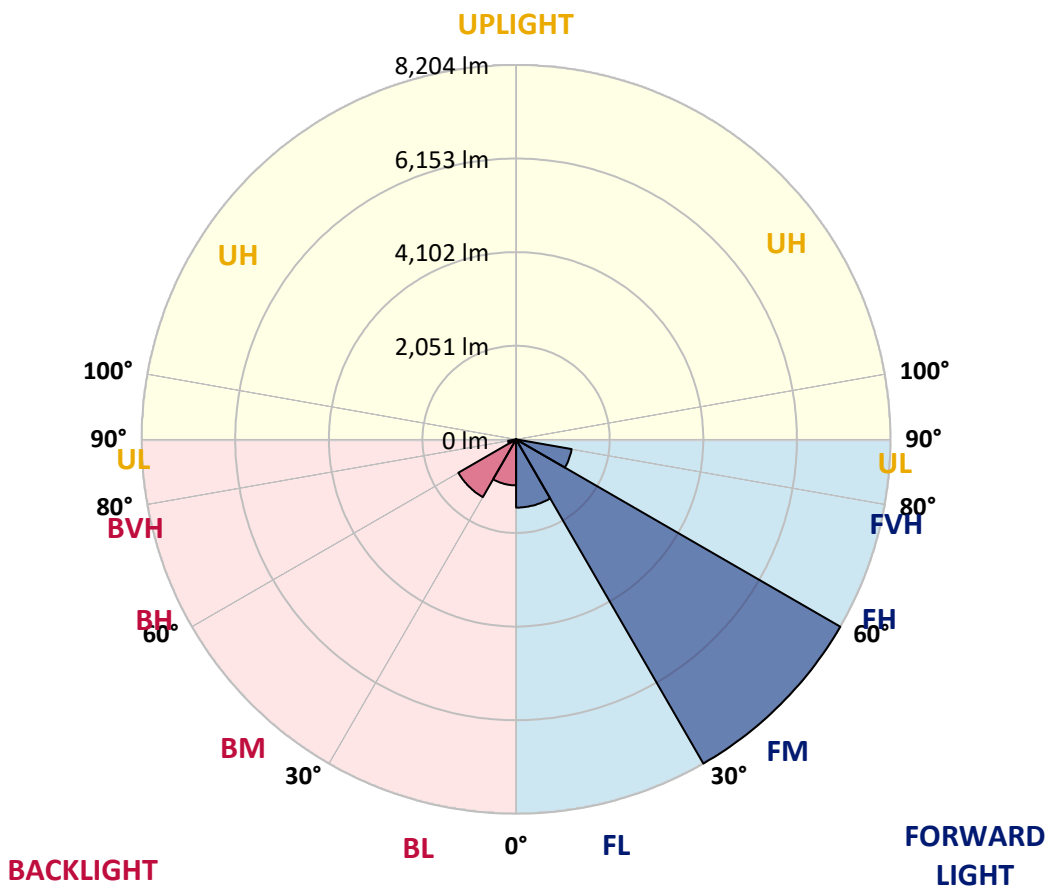
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1495.2	11.0			
FM (30°-60°)	8204.1	60.4			
FH (60°-80°)	1236.3	9.1			G1/1800
FVH (80°-90°)	1.4	0.0			G0/10
BL (0°-30°)	1008.3	7.4	B3/2500		
BM (30°-60°)	1460.7	10.8	B2/2500		
BH (60°-80°)	176.2	1.3	B1/500		G1/500
BVH (80°-90°)	1.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	3257.4	3257.4	3257.4	3257.4	3257.4	3257.4	3257.4	3257.4	3257.4	3257.4	3257.4
2.5°	3033.8	3027.6	3040.1	3064.9	3088.2	3096.0	3119.2	3151.8	3172.0	3220.2	3259.0
5°	2897.2	2894.1	2906.5	2928.3	2959.3	2970.2	3005.9	3060.2	3114.6	3198.4	3280.7
7.5°	2773.0	2771.5	2790.1	2838.2	2883.2	2897.2	2940.7	3007.5	3080.4	3209.3	3330.4
10°	2610.0	2611.5	2647.2	2715.6	2797.8	2825.8	2895.7	2991.9	3086.6	3252.8	3420.5
12.5°	2557.2	2560.3	2578.9	2631.7	2721.8	2757.5	2855.3	3001.2	3122.3	3314.9	3536.9
15°	2686.1	2686.1	2670.5	2676.7	2717.1	2749.7	2852.2	3032.3	3182.9	3389.4	3651.8
17.5°	2936.0	2926.7	2887.9	2835.1	2821.1	2832.0	2914.3	3099.1	3268.3	3476.3	3782.2
20°	3274.5	3277.6	3201.5	3091.3	3002.8	3001.2	3050.9	3217.1	3391.0	3580.4	3923.5
22.5°	3684.4	3672.0	3571.1	3420.5	3266.7	3254.3	3274.5	3397.2	3568.0	3745.0	4097.4
25°	4159.5	4153.3	4010.5	3808.6	3605.2	3575.7	3575.7	3696.8	3821.0	3979.4	4305.5
27.5°	4656.4	4656.4	4518.2	4285.3	4015.1	3962.3	3954.6	4097.4	4179.7	4210.7	4480.9
30°	5167.2	5161.0	5024.3	4785.2	4496.4	4442.1	4420.4	4525.9	4584.9	4491.8	4699.8
32.5°	5685.7	5696.6	5558.4	5336.4	5078.7	5043.0	4976.2	4976.2	5024.3	4893.9	5044.5
35°	6243.1	6240.0	6131.4	5980.7	5760.3	5719.9	5609.7	5437.3	5510.3	5452.9	5521.2
37.5°	6735.3	6758.6	6705.8	6594.0	6415.5	6375.1	6193.5	5881.4	5937.3	6027.3	6087.9
40°	7235.3	7253.9	7306.7	7271.0	7045.9	6971.3	6648.4	6136.0	6198.1	6507.1	6681.0
42.5°	7725.9	7735.2	7842.4	7901.4	7600.1	7469.7	6993.1	6291.3	6356.5	6882.8	7187.1
45°	8038.0	8058.2	8235.2	8415.3	8089.2	7910.7	7292.7	6490.0	6518.0	7143.7	7561.3
47.5°	8025.6	8072.1	8404.4	8732.0	8510.0	8317.5	7652.9	6808.3	6761.7	7389.0	7808.2
50°	7775.6	7831.5	8308.1	8828.3	8812.8	8634.2	8053.5	7269.4	7123.5	7606.4	7839.3
52.5°	7257.0	7418.5	8138.9	8840.7	9056.5	8966.5	8548.8	7890.5	7612.6	7918.4	7888.9
55°	6136.0	6334.7	7625.0	8735.1	9277.0	9287.9	9068.9	8537.9	8143.6	8455.6	8194.8
57.5°	4657.9	4816.3	5869.0	7775.6	8912.1	9090.7	9270.8	8879.5	8471.2	8822.1	8266.2
60°	2807.2	2990.4	3675.1	5705.9	7198.0	7502.3	8208.8	8132.7	7640.5	7791.1	6778.8
62.5°	1138.1	1234.3	1697.0	3144.1	4530.6	4814.7	5491.7	5606.6	5485.5	5331.7	4111.4
65°	416.1	454.9	680.1	1299.6	2083.6	2187.7	2544.8	2748.2	2915.8	2482.7	1529.3
67.5°	257.7	282.6	442.5	667.6	757.7	704.9	717.3	855.5	816.7	504.6	273.3
70°	191.0	211.2	346.2	462.7	305.9	236.0	159.9	170.8	153.7	135.1	133.5
72.5°	132.0	150.6	259.3	273.3	118.0	83.8	59.0	82.3	93.2	91.6	94.7
75°	86.9	100.9	163.0	107.1	29.5	23.3	20.2	43.5	55.9	55.9	57.4
77.5°	51.2	59.0	57.4	21.7	6.2	6.2	4.7	7.8	12.4	14.0	17.1
80°	6.2	4.7	3.1	3.1	3.1	3.1	3.1	3.1	4.7	4.7	4.7
82.5°	1.6	1.6	1.6	3.1	3.1	3.1	3.1	3.1	3.1	4.7	4.7
85°	0.0	0.0	1.6	1.6	3.1	3.1	3.1	3.1	3.1	4.7	4.7
87.5°	0.0	0.0	1.6	1.6	3.1	3.1	3.1	3.1	3.1	4.7	4.7
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°	3257.4	3257.4	3257.4	3257.4	3257.4	3257.4	3257.4	3257.4	3257.4	3257.4	3257.4
2.5°	3288.5	3277.6	3322.6	3355.2	3381.6	3394.1	3377.0	3375.4	3375.4	3341.3	3332.0
5°	3327.3	3332.0	3395.6	3423.6	3428.2	3412.7	3373.9	3347.5	3332.0	3296.2	3276.1
7.5°	3401.8	3417.3	3477.9	3473.2	3431.3	3359.9	3257.4	3178.2	3127.0	3071.1	3037.0
10°	3509.0	3538.5	3575.7	3510.5	3377.0	3195.3	2984.2	2833.6	2743.5	2679.8	2641.0
12.5°	3639.4	3668.9	3656.5	3502.7	3224.8	2900.3	2628.6	2411.2	2307.2	2249.8	2209.4
15°	3771.3	3790.0	3709.2	3409.6	2956.2	2519.9	2217.2	2001.3	1874.0	1827.5	1793.3
17.5°	3906.4	3901.8	3718.6	3226.4	2597.6	2091.4	1793.3	1645.8	1610.1	1602.3	1599.2
20°	4047.7	4005.8	3681.3	2964.0	2165.9	1667.5	1498.3	1507.6	1572.8	1603.9	1610.1
22.5°	4209.2	4103.6	3588.1	2608.4	1725.0	1389.6	1406.7	1498.3	1586.8	1628.7	1634.9
25°	4381.5	4193.7	3432.9	2152.0	1360.1	1277.8	1378.7	1484.3	1579.0	1630.3	1636.5
27.5°	4494.9	4215.4	3178.2	1692.4	1167.6	1234.3	1341.5	1442.4	1540.2	1596.1	1603.9
30°	4617.5	4206.1	2832.0	1304.2	1102.4	1197.1	1290.2	1381.8	1471.9	1534.0	1540.2
32.5°	4797.6	4199.9	2409.7	1058.9	1076.0	1167.6	1235.9	1312.0	1374.1	1409.8	1405.1
35°	5033.6	4192.1	1917.5	954.9	1060.4	1144.3	1198.6	1234.3	1166.0	1144.3	1148.9
37.5°	5336.4	4210.7	1503.0	911.4	1055.8	1138.1	1184.7	1082.2	976.6	936.2	930.0
40°	5671.8	4258.9	1145.8	894.3	1071.3	1153.6	1131.9	962.6	832.2	753.0	735.9
42.5°	6008.7	4311.7	906.7	888.1	1097.7	1197.1	1044.9	875.7	680.1	635.0	628.8
45°	6258.7	4302.4	784.1	877.2	1121.0	1221.9	1021.6	751.5	607.1	586.9	588.4
47.5°	6384.4	4199.9	717.3	852.4	1130.3	1197.1	964.2	700.2	557.4	579.1	597.8
50°	6317.7	3934.4	655.2	804.3	1110.1	1164.5	872.6	661.4	532.6	622.6	664.5
52.5°	6236.9	3608.3	586.9	729.7	1062.0	1119.4	836.9	650.6	517.0	600.9	631.9
55°	6344.1	3401.8	475.1	614.8	967.3	1013.9	808.9	649.0	481.3	467.3	462.7
57.5°	6193.5	2990.4	340.0	442.5	742.2	802.7	788.7	638.1	427.0	425.4	431.6
60°	4786.8	1824.3	232.9	281.0	454.9	512.4	715.8	610.2	368.0	338.5	340.0
62.5°	2720.2	776.3	159.9	173.9	232.9	276.4	546.5	554.3	340.0	322.9	340.0
65°	947.1	277.9	124.2	116.4	128.9	147.5	313.6	428.5	309.0	279.5	282.6
67.5°	195.6	138.2	110.2	96.3	96.3	96.3	159.9	267.1	254.6	222.0	225.1
70°	124.2	118.0	96.3	82.3	79.2	73.0	91.6	147.5	175.4	161.5	163.0
72.5°	91.6	90.1	76.1	66.8	59.0	52.8	57.4	73.0	90.1	93.2	94.7
75°	55.9	57.4	49.7	41.9	37.3	32.6	34.2	34.2	34.2	31.1	34.2
77.5°	17.1	18.6	15.5	12.4	10.9	10.9	10.9	9.3	7.8	4.7	4.7
80°	4.7	4.7	4.7	4.7	4.7	3.1	3.1	1.6	1.6	0.0	0.0
82.5°	4.7	4.7	4.7	4.7	3.1	3.1	1.6	1.6	0.0	0.0	0.0
85°	4.7	4.7	4.7	4.7	3.1	3.1	1.6	1.6	0.0	0.0	0.0
87.5°	4.7	4.7	4.7	4.7	3.1	3.1	1.6	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)