

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: P642010

Luminaire Tested: GWS-SA6C-722-U-T2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642010
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-22)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-722-U-T2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15666.9 lumens
Efficiency: N/A
Efficacy: 82.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G3

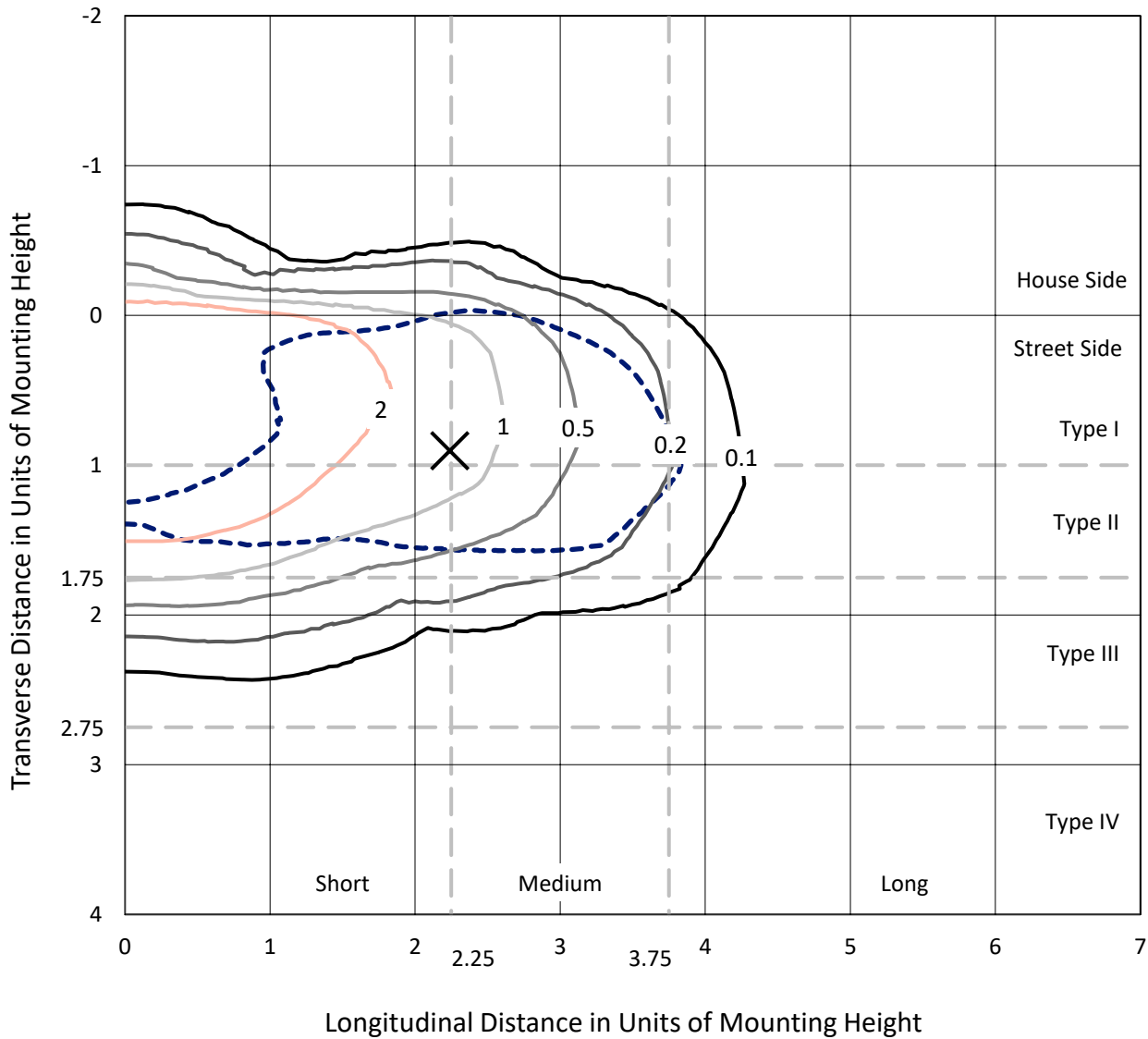
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P642010
 CATALOG NUMBER: GWS-SA6C-722-U-T2-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

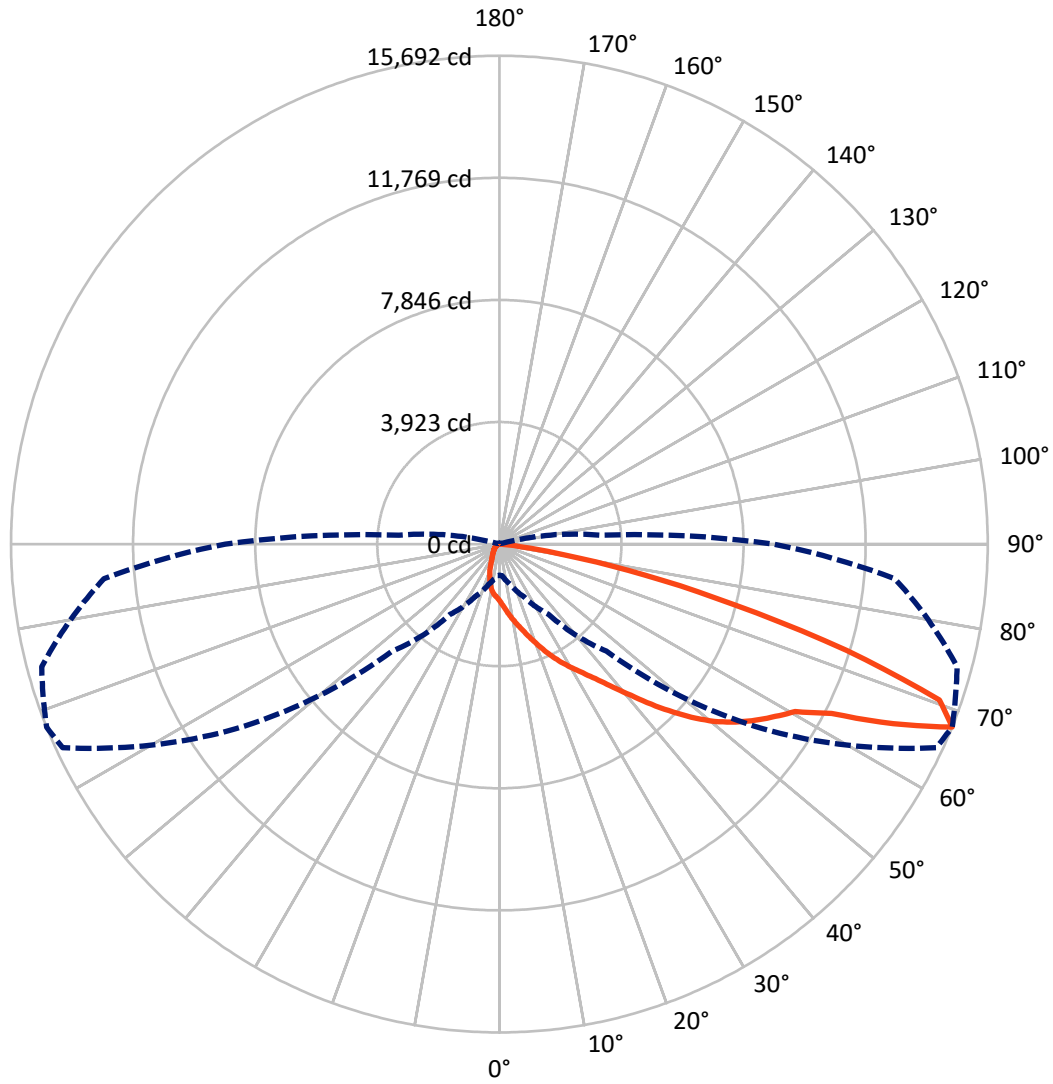
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc
 Type II - Short - N/A

REPORT NUMBER: P642010
CATALOG NUMBER: GWS-SA6C-722-U-T2-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 68-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P642010

CATALOG NUMBER: GWS-SA6C-722-U-T2-W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1131.3	0.0	1131.3
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	14535.6	0.0	14535.6
	% Fixture	92.8	0.0	92.8
Total	Lumens	15666.9	0.0	15666.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.8	1.1
10°-20°	510.6	3.3
20°-30°	877.5	5.6
30°-40°	1525.7	9.7
40°-50°	2662.2	17.0
50°-60°	4015.3	25.6
60°-70°	4026.3	25.7
70°-80°	1776.4	11.3
80°-90°	94.9	0.6
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°	15666.9	100.0
0°-180°	15666.9	100.0

Coefficient of Utilization



REPORT NUMBER: P642010

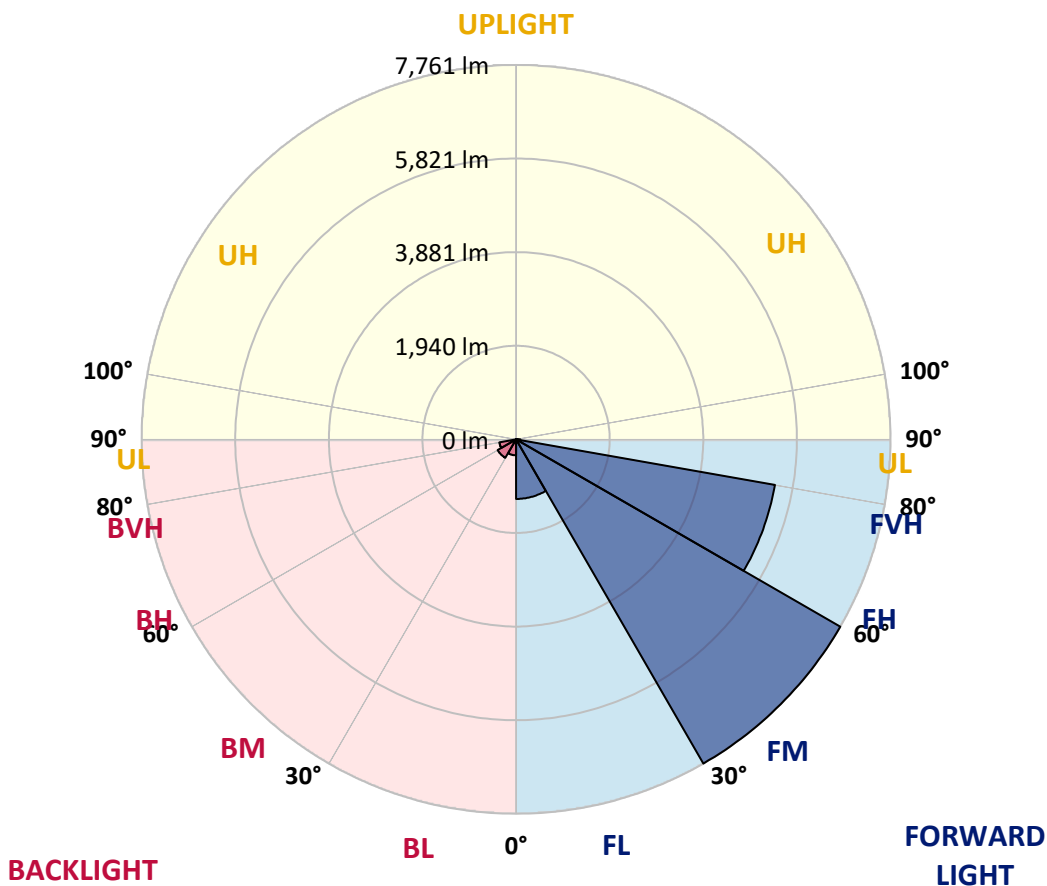
CATALOG NUMBER: GWS-SA6C-722-U-T2-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1235.0	7.9			
FM (30°-60°)	7761.3	49.5			
FH (60°-80°)	5449.7	34.8			G3/7500
FVH (80°-90°)	89.5	0.6			G1/100
BL (0°-30°)	331.0	2.1	B1/500		
BM (30°-60°)	441.9	2.8	B1/1000		
BH (60°-80°)	353.1	2.3	B1/500		G1/500
BVH (80°-90°)	5.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type II Short





REPORT NUMBER: P642010

CATALOG NUMBER: GWS-SA6C-722-U-T2-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	68°	75°	85°
0°	1823.2	1823.2	1823.2	1823.2	1823.2	1823.2	1823.2	1823.2	1823.2	1823.2	1823.2
2.5°	2123.1	2136.6	2123.1	2126.1	2087.1	2069.1	2030.1	1976.2	1962.7	1928.2	1875.7
5°	2382.5	2394.5	2381.0	2378.0	2333.0	2300.0	2235.6	2142.6	2115.6	2048.1	1944.7
7.5°	2523.4	2530.9	2535.4	2542.9	2526.4	2499.4	2441.0	2325.5	2297.0	2187.6	2042.1
10°	2538.4	2544.4	2566.9	2611.9	2644.9	2661.4	2628.4	2521.9	2477.0	2370.5	2162.1
12.5°	2496.4	2505.4	2541.4	2616.4	2707.9	2791.8	2812.8	2719.8	2679.4	2542.9	2303.0
15°	2441.0	2448.5	2497.9	2599.9	2737.8	2892.3	2979.2	2938.8	2893.8	2751.3	2459.0
17.5°	2355.5	2366.0	2435.0	2572.9	2751.3	2971.7	3159.2	3172.7	3141.2	2986.7	2631.4
20°	2307.5	2315.0	2376.5	2518.9	2742.3	3030.2	3327.1	3454.5	3420.1	3258.1	2829.3
22.5°	2348.0	2354.0	2394.5	2505.4	2712.4	3063.2	3483.0	3736.4	3716.9	3549.0	3037.7
25°	2560.9	2580.4	2556.4	2575.9	2725.8	3081.2	3609.0	4018.3	4022.8	3853.4	3253.6
27.5°	2992.7	2967.2	2910.3	2812.8	2830.8	3129.2	3716.9	4283.7	4322.7	4150.2	3445.5
30°	3432.0	3417.1	3382.6	3231.1	3105.2	3235.6	3808.4	4555.1	4616.5	4442.6	3616.5
32.5°	3925.3	3940.3	3878.9	3697.4	3483.0	3451.5	3902.8	4813.0	4928.4	4774.0	3817.4
35°	4514.6	4519.1	4397.6	4196.7	3953.8	3808.4	4072.3	5097.8	5310.8	5196.8	4085.8
37.5°	5088.8	5115.8	5049.9	4733.5	4517.6	4252.2	4352.7	5463.7	5763.6	5718.6	4423.1
40°	5597.1	5639.1	5618.1	5312.3	5028.9	4805.5	4787.5	5892.5	6310.8	6361.8	4868.4
42.5°	6002.0	6028.9	6045.4	5828.0	5577.6	5451.7	5324.2	6390.3	6957.1	7165.5	5414.2
45°	6429.3	6438.3	6472.8	6325.8	6106.9	6117.4	5958.5	6994.5	7637.8	8056.1	6040.9
47.5°	6973.6	7003.5	6987.0	6832.6	6634.7	6753.1	6613.7	7616.8	8309.5	9006.7	6682.7
50°	7636.3	7667.8	7652.8	7472.8	7252.4	7301.9	7214.9	8221.0	8957.2	9903.3	7216.4
52.5°	7978.1	8003.6	8189.5	8270.5	8155.1	7840.2	7727.7	8885.2	9504.5	10641.0	7706.7
55°	7813.2	7831.2	8236.0	8577.9	9000.7	8685.8	8243.5	9398.0	9987.3	11216.8	8071.1
57.5°	7129.5	7226.9	7777.2	8356.0	9245.1	9521.0	9080.2	9955.8	10452.1	11617.1	8429.4
60°	5727.6	5723.1	6511.7	7550.8	8768.3	9750.4	10261.7	10710.0	10918.4	11924.5	8909.2
62.5°	3165.2	3193.6	4243.2	5612.1	7442.9	9156.6	11147.8	12012.9	11981.4	12461.2	9660.4
65°	1575.8	1632.8	2202.6	3214.6	4952.4	7567.3	11300.7	14001.1	13911.1	13725.2	11212.3
67.5°	1000.1	1022.6	1337.4	1868.2	2752.8	4863.9	10348.6	15484.0	15692.4	15224.6	12752.1
70°	647.7	685.2	929.6	1277.5	1661.3	2506.9	7580.8	14522.9	15001.2	15059.6	11792.5
72.5°	352.4	379.3	593.7	911.6	1199.5	1253.5	4258.2	10898.9	11668.1	12774.6	9225.6
75°	200.9	220.4	325.4	619.2	880.1	763.2	1887.7	7295.9	7786.2	9129.6	6610.7
77.5°	121.4	137.9	182.9	301.4	551.8	509.8	713.7	4441.1	4753.0	5447.2	3469.5
80°	55.5	66.0	115.5	166.4	301.4	241.4	272.9	2070.6	2138.1	2235.6	1148.5
82.5°	25.5	30.0	52.5	99.0	170.9	139.4	105.0	478.3	673.2	637.2	292.4
85°	3.0	3.0	19.5	40.5	48.0	36.0	43.5	108.0	136.4	191.9	84.0
87.5°	0.0	0.0	1.5	1.5	3.0	4.5	9.0	13.5	19.5	31.5	21.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P642010

CATALOG NUMBER: GWS-SA6C-722-U-T2-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1823.2	1823.2	1823.2	1823.2	1823.2	1823.2	1823.2	1823.2	1823.2	1823.2	1823.2
2.5°	1851.7	1809.7	1772.3	1716.8	1679.3	1637.3	1608.8	1574.3	1560.8	1550.3	1535.4
5°	1893.7	1826.2	1734.8	1632.8	1548.8	1469.4	1395.9	1347.9	1305.9	1300.0	1279.0
7.5°	1962.7	1862.2	1707.8	1541.3	1398.9	1267.0	1163.5	1079.5	1037.6	1024.1	1000.1
10°	2054.1	1916.2	1667.3	1412.4	1207.0	1049.6	932.6	838.1	772.2	748.2	730.2
12.5°	2156.1	1965.7	1602.8	1253.5	1019.6	839.6	691.2	590.8	548.8	533.8	520.3
15°	2273.0	2012.1	1500.9	1094.5	836.6	617.7	512.8	469.3	451.3	446.8	442.3
17.5°	2385.5	2042.1	1379.4	929.6	643.2	479.8	430.3	413.8	409.3	404.8	401.8
20°	2512.9	2063.1	1237.0	773.7	499.3	406.3	382.3	370.3	361.3	352.4	350.9
22.5°	2643.4	2063.1	1082.5	620.7	418.3	364.3	337.4	314.9	298.4	289.4	286.4
25°	2767.8	2034.6	929.6	496.3	368.8	323.9	289.4	263.9	241.4	230.9	227.9
27.5°	2856.3	1961.2	796.2	419.8	334.4	287.9	245.9	217.4	199.4	188.9	187.4
30°	2911.8	1851.7	673.2	374.8	304.4	250.4	208.4	184.4	170.9	163.4	160.4
32.5°	2953.8	1716.8	563.8	343.4	275.9	217.4	181.4	161.9	149.9	143.9	142.4
35°	3037.7	1589.3	482.8	314.9	245.9	190.4	158.9	143.9	134.9	127.4	125.9
37.5°	3154.7	1482.9	418.3	289.4	217.4	169.4	143.9	130.4	122.9	115.5	114.0
40°	3327.1	1415.4	370.3	263.9	191.9	152.9	131.9	119.9	109.5	102.0	100.5
42.5°	3592.5	1383.9	338.9	238.4	169.4	137.9	121.4	106.5	96.0	88.5	87.0
45°	3908.8	1400.4	311.9	212.9	154.4	127.4	108.0	93.0	82.5	75.0	73.5
47.5°	4247.7	1458.9	289.4	188.9	139.4	117.0	96.0	79.5	70.5	63.0	61.5
50°	4601.6	1554.8	269.9	166.4	127.4	105.0	82.5	69.0	60.0	54.0	52.5
52.5°	4908.9	1685.3	250.4	149.9	117.0	93.0	72.0	60.0	51.0	45.0	43.5
55°	5202.8	1808.2	235.4	134.9	105.0	81.0	63.0	51.0	43.5	37.5	36.0
57.5°	5522.2	1938.7	217.4	121.4	94.5	72.0	55.5	43.5	37.5	31.5	30.0
60°	5987.0	2132.1	190.4	111.0	82.5	63.0	48.0	39.0	33.0	25.5	24.0
62.5°	6657.2	2484.4	160.4	96.0	70.5	54.0	40.5	33.0	27.0	21.0	18.0
65°	7910.7	3084.2	131.9	79.5	57.0	45.0	34.5	27.0	21.0	15.0	13.5
67.5°	8813.3	3240.1	106.5	64.5	46.5	34.5	28.5	21.0	15.0	10.5	9.0
70°	7705.2	2327.0	82.5	52.5	39.0	27.0	22.5	16.5	10.5	7.5	6.0
72.5°	5805.5	1520.4	61.5	40.5	30.0	22.5	16.5	13.5	9.0	6.0	4.5
75°	4091.8	878.6	45.0	30.0	21.0	16.5	13.5	10.5	7.5	4.5	4.5
77.5°	2097.6	362.8	31.5	21.0	15.0	10.5	9.0	6.0	6.0	4.5	3.0
80°	637.2	119.9	18.0	13.5	10.5	7.5	4.5	4.5	4.5	3.0	1.5
82.5°	145.4	39.0	10.5	10.5	7.5	6.0	4.5	1.5	1.5	0.0	0.0
85°	37.5	12.0	9.0	7.5	7.5	6.0	3.0	1.5	0.0	0.0	0.0
87.5°	13.5	7.5	7.5	7.5	6.0	4.5	3.0	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)