

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: P642022

Luminaire Tested: GWS-SA6C-722-U-T3R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642022
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-18)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-722-U-T3R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16373.1 lumens
Efficiency: N/A
Efficacy: 86.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

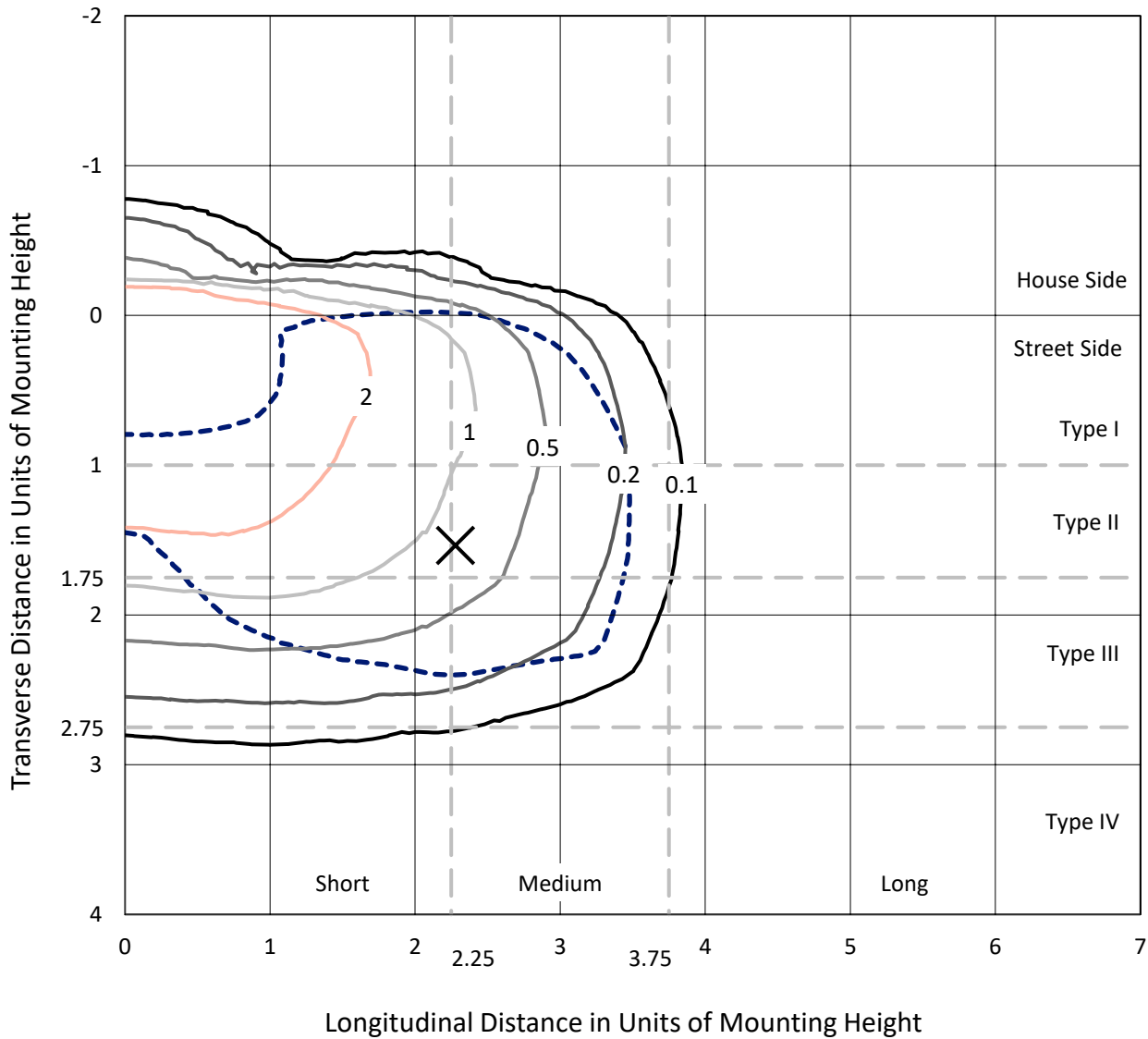
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

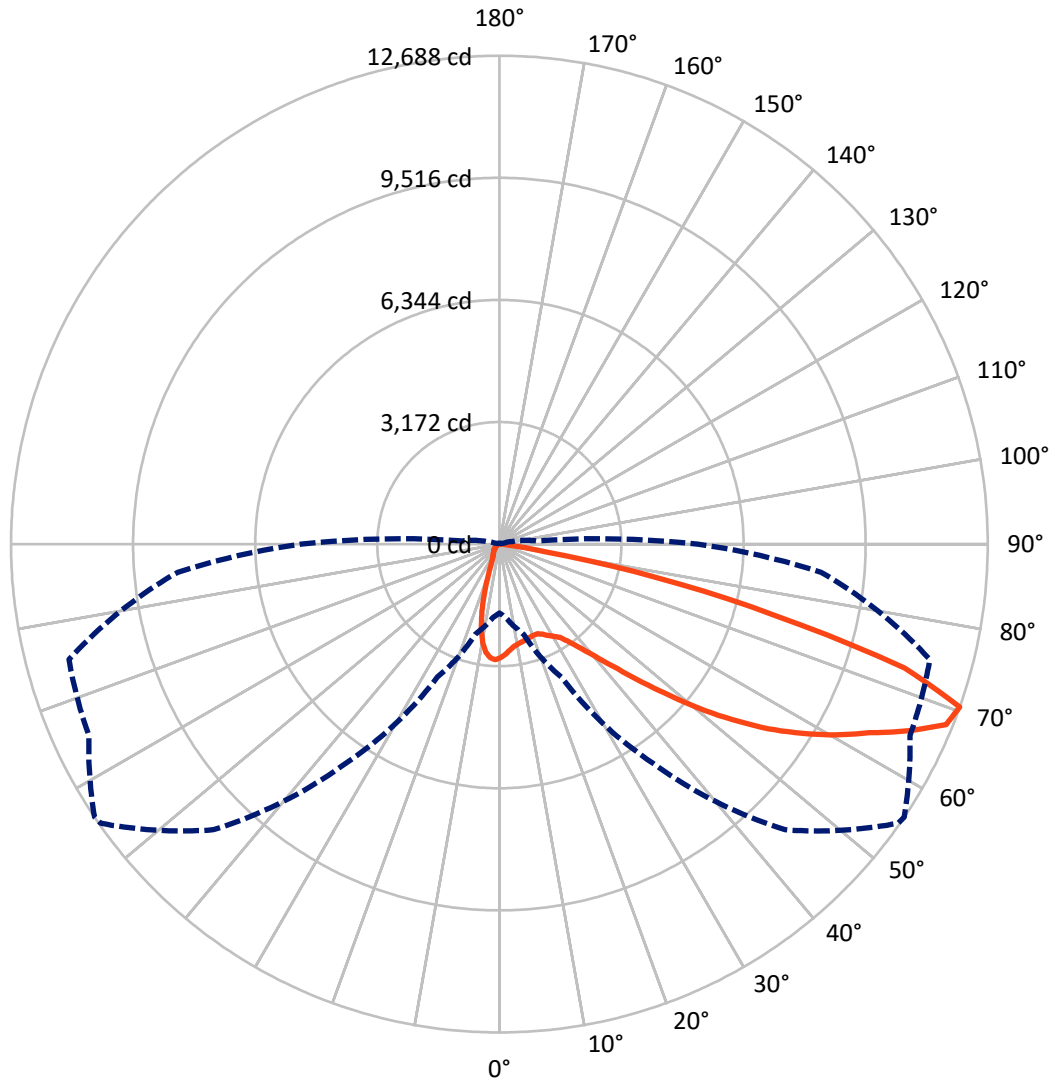
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1470.6	0.0	1470.6
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	14902.5	0.0	14902.5
	% Fixture	91.0	0.0	91.0
Total	Lumens	16373.1	0.0	16373.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.5	1.5
10°-20°	570.1	3.5
20°-30°	903.0	5.5
30°-40°	1557.3	9.5
40°-50°	2629.7	16.1
50°-60°	3863.9	23.6
60°-70°	4580.9	28.0
70°-80°	1953.5	11.9
80°-90°	61.3	0.4
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°	16373.1	100.0
0°-180°	16373.1	100.0

Coefficient of Utilization



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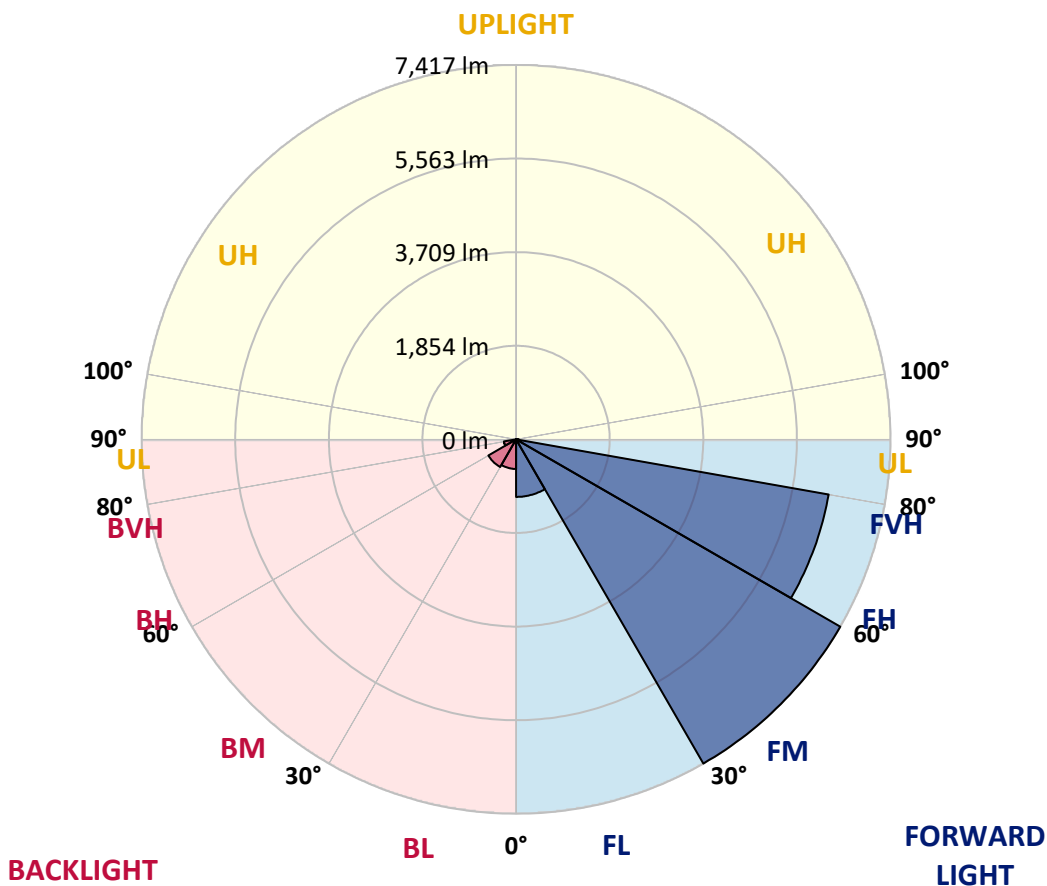
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1140.9	7.0			
FM (30°-60°)	7417.4	45.3			
FH (60°-80°)	6289.0	38.4			G3/7500
FVH (80°-90°)	55.1	0.3			G1/100
BL (0°-30°)	585.7	3.6	B2/1000		
BM (30°-60°)	633.4	3.9	B1/1000		
BH (60°-80°)	245.3	1.5	B1/500		G1/500
BVH (80°-90°)	6.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	2952.2	2952.2	2952.2	2952.2	2952.2	2952.2	2952.2	2952.2	2952.2	2952.2	2952.2
2.5°	2748.3	2743.8	2746.8	2769.3	2811.3	2830.8	2863.8	2869.8	2896.8	2931.2	2944.7
5°	2569.9	2554.9	2562.4	2593.9	2641.9	2695.8	2757.3	2773.8	2841.3	2917.7	2974.7
7.5°	2406.5	2390.0	2408.0	2457.4	2524.9	2583.4	2674.9	2685.3	2793.3	2928.2	3031.7
10°	2150.1	2154.6	2190.6	2277.5	2381.0	2502.4	2625.4	2640.4	2773.8	2962.7	3123.2
12.5°	1953.7	1943.2	1982.2	2081.1	2226.5	2403.5	2587.9	2607.4	2775.3	3015.2	3240.1
15°	1862.2	1859.2	1875.7	1947.7	2088.6	2297.0	2553.4	2578.9	2794.8	3063.2	3351.1
17.5°	1865.2	1860.7	1859.2	1901.2	2006.1	2217.5	2515.9	2548.9	2811.3	3115.7	3468.0
20°	1995.6	1974.7	1937.2	1917.7	1980.7	2166.6	2490.4	2527.9	2835.3	3171.1	3592.5
22.5°	2268.5	2276.0	2175.6	2070.6	2040.6	2172.6	2487.4	2530.9	2887.8	3258.1	3745.4
25°	2814.3	2802.3	2616.4	2381.0	2217.5	2241.5	2539.9	2592.4	2991.2	3382.6	3889.3
27.5°	3498.0	3508.5	3253.6	2878.8	2536.9	2384.0	2635.9	2688.3	3111.2	3460.5	3985.3
30°	4243.2	4232.7	3959.8	3544.5	2989.7	2620.9	2731.8	2778.3	3171.1	3502.5	4084.2
32.5°	4947.9	4923.9	4654.0	4219.2	3567.0	2994.2	2863.8	2890.8	3250.6	3594.0	4217.7
35°	5549.1	5547.6	5312.2	4848.9	4160.7	3462.0	3090.2	3112.7	3399.0	3739.4	4414.1
37.5°	6169.9	6148.9	5885.0	5462.2	4771.0	3974.8	3436.5	3427.5	3632.9	3953.8	4655.5
40°	6679.6	6666.1	6463.7	6057.4	5405.2	4541.6	3856.3	3829.4	3910.3	4250.7	4991.4
42.5°	7057.5	7059.0	6996.0	6748.6	6076.9	5196.8	4384.1	4342.1	4340.6	4699.0	5435.2
45°	7343.9	7363.3	7457.8	7420.3	6870.1	5959.9	5060.3	5016.8	4943.4	5280.7	5943.5
47.5°	7477.3	7502.8	7787.7	7937.6	7564.3	6717.1	5865.5	5774.0	5630.1	6054.4	6511.7
50°	7463.8	7508.8	7906.1	8361.9	8194.0	7484.8	6742.6	6699.1	6463.7	6873.1	7074.0
52.5°	7157.9	7253.9	7913.6	8619.8	8678.3	8192.5	7649.7	7568.8	7454.8	7727.7	7601.7
55°	6327.3	6444.2	7597.2	8702.3	9056.1	8810.2	8537.3	8471.4	8282.5	8534.3	8062.0
57.5°	5876.0	5976.4	6931.5	8661.8	9377.0	9381.5	9327.5	9273.5	9117.6	9332.0	8601.8
60°	5604.6	5705.1	6576.2	8513.4	9667.9	9984.2	10069.7	10063.7	9838.8	10239.1	9234.5
62.5°	5207.3	5345.2	6205.8	8128.0	9874.8	10578.0	10835.9	10795.4	10545.0	11183.7	9861.3
65°	4405.1	4525.1	5447.2	7492.3	9753.3	11069.8	11666.5	11687.5	11398.1	12072.8	10356.1
67.5°	3088.7	3177.1	4093.2	6157.9	8928.7	11231.7	12516.6	12515.1	12021.8	12528.6	10137.2
70°	1790.2	1911.7	2418.5	3806.9	6946.5	10495.5	12644.1	12687.6	11768.5	11576.5	8388.9
72.5°	692.7	793.2	1370.4	2022.6	3622.4	8039.6	10876.3	11003.8	9849.3	8930.2	5838.5
75°	206.9	230.9	644.7	1076.5	1454.4	3883.3	7363.3	7399.3	6756.1	5570.1	2992.7
77.5°	154.4	170.9	281.9	544.3	509.8	1177.0	3809.9	4160.7	3586.5	1989.6	824.6
80°	105.0	124.4	200.9	265.4	188.9	313.4	1070.5	1175.5	1094.5	446.8	206.9
82.5°	46.5	60.0	142.4	133.4	69.0	90.0	329.9	350.8	226.4	134.9	72.0
85°	4.5	6.0	54.0	58.5	25.5	21.0	69.0	69.0	49.5	46.5	30.0
87.5°	0.0	0.0	1.5	3.0	3.0	4.5	6.0	7.5	9.0	12.0	15.0
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°	2952.2	2952.2	2952.2	2952.2	2952.2	2952.2	2952.2	2952.2	2952.2	2952.2	2952.2
2.5°	2979.2	2961.2	2983.7	3001.7	3006.2	2973.2	2953.7	2925.2	2919.2	2920.7	2913.3
5°	3019.7	3010.7	3027.2	3007.7	2956.7	2860.8	2778.3	2686.8	2637.4	2608.9	2605.9
7.5°	3094.7	3090.2	3072.2	2983.7	2824.8	2611.9	2406.5	2205.6	2081.1	2036.1	2028.6
10°	3205.6	3196.6	3123.2	2913.3	2574.4	2165.1	1820.2	1532.3	1356.9	1305.9	1243.0
12.5°	3333.1	3315.1	3154.6	2761.8	2196.6	1629.8	1199.5	877.1	725.7	680.7	680.7
15°	3456.0	3417.0	3136.7	2511.4	1731.8	1060.0	670.2	506.8	460.3	448.3	448.3
17.5°	3582.0	3507.0	3066.2	2169.6	1196.5	626.7	446.8	415.3	409.3	410.8	412.3
20°	3700.4	3583.5	2941.7	1758.7	763.2	437.8	400.3	392.8	389.8	392.8	391.3
22.5°	3829.4	3653.9	2752.8	1310.4	496.3	394.3	380.8	374.8	371.8	376.3	376.3
25°	3956.8	3704.9	2502.4	881.6	394.3	367.3	359.8	353.8	350.8	352.3	352.3
27.5°	4022.8	3685.4	2174.1	562.3	353.8	340.4	332.9	325.4	320.9	319.4	320.9
30°	4067.8	3625.4	1772.2	400.3	320.9	304.4	296.9	290.9	278.9	271.4	274.4
32.5°	4138.2	3565.5	1335.9	335.9	293.9	268.4	256.4	241.4	224.9	217.4	217.4
35°	4222.2	3483.0	937.1	302.9	265.4	238.4	215.9	190.4	170.9	164.9	164.9
37.5°	4333.1	3405.0	623.7	280.4	241.4	212.9	181.4	151.4	130.4	127.4	125.9
40°	4499.6	3339.1	439.3	263.9	220.4	185.9	148.4	116.9	102.0	97.5	97.5
42.5°	4715.5	3271.6	347.9	247.4	202.4	160.4	118.4	93.0	81.0	78.0	76.5
45°	4982.4	3192.1	302.9	232.4	184.4	133.4	94.5	78.0	69.0	66.0	66.0
47.5°	5271.7	3084.2	281.9	212.9	163.4	108.0	79.5	67.5	63.0	61.5	60.0
50°	5556.6	2938.7	263.9	194.9	139.4	88.5	69.0	61.5	58.5	57.0	57.0
52.5°	5805.5	2769.3	241.4	173.9	114.0	76.5	61.5	57.0	54.0	51.0	49.5
55°	6018.4	2584.9	212.9	149.9	93.0	67.5	57.0	52.5	49.5	46.5	45.0
57.5°	6292.8	2479.9	170.9	121.4	76.5	60.0	52.5	48.0	45.0	40.5	40.5
60°	6597.2	2403.5	127.4	96.0	66.0	55.5	48.0	43.5	40.5	36.0	36.0
62.5°	6841.6	2289.5	100.5	78.0	57.0	49.5	43.5	39.0	36.0	31.5	31.5
65°	6934.5	2054.1	82.5	61.5	46.5	43.5	39.0	36.0	31.5	27.0	27.0
67.5°	6514.7	1583.3	69.0	49.5	39.0	37.5	34.5	33.0	27.0	24.0	22.5
70°	5159.3	965.6	57.0	40.5	33.0	31.5	31.5	28.5	24.0	22.5	21.0
72.5°	3535.5	497.8	46.5	33.0	28.5	28.5	27.0	25.5	22.5	21.0	21.0
75°	1836.7	166.4	36.0	25.5	22.5	24.0	24.0	22.5	21.0	21.0	19.5
77.5°	526.3	75.0	27.0	19.5	18.0	18.0	19.5	19.5	19.5	18.0	18.0
80°	136.4	43.5	19.5	15.0	15.0	15.0	15.0	16.5	18.0	16.5	16.5
82.5°	55.5	24.0	13.5	12.0	12.0	12.0	12.0	13.5	15.0	15.0	15.0
85°	34.5	12.0	10.5	10.5	10.5	9.0	9.0	10.5	10.5	12.0	12.0
87.5°	21.0	9.0	9.0	9.0	9.0	7.5	7.5	7.5	7.5	7.5	7.5
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)