

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: P642183

Luminaire Tested: GWS-SA6C-735-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642183
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-26)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-735-U-T3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20560.2 lumens
Efficiency: N/A
Efficacy: 108.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

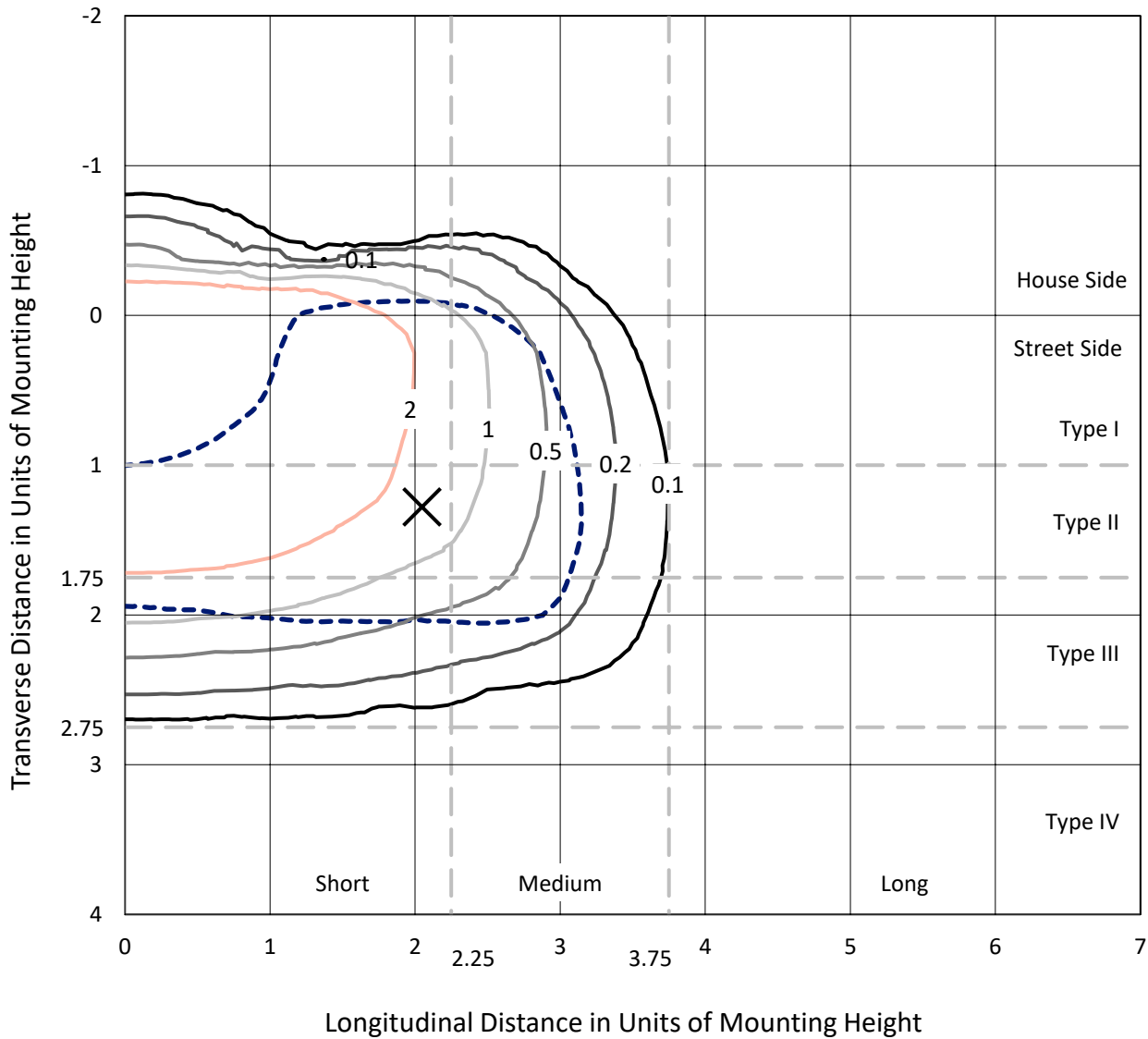
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P642183
 CATALOG NUMBER: GWS-SA6C-735-U-T3-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

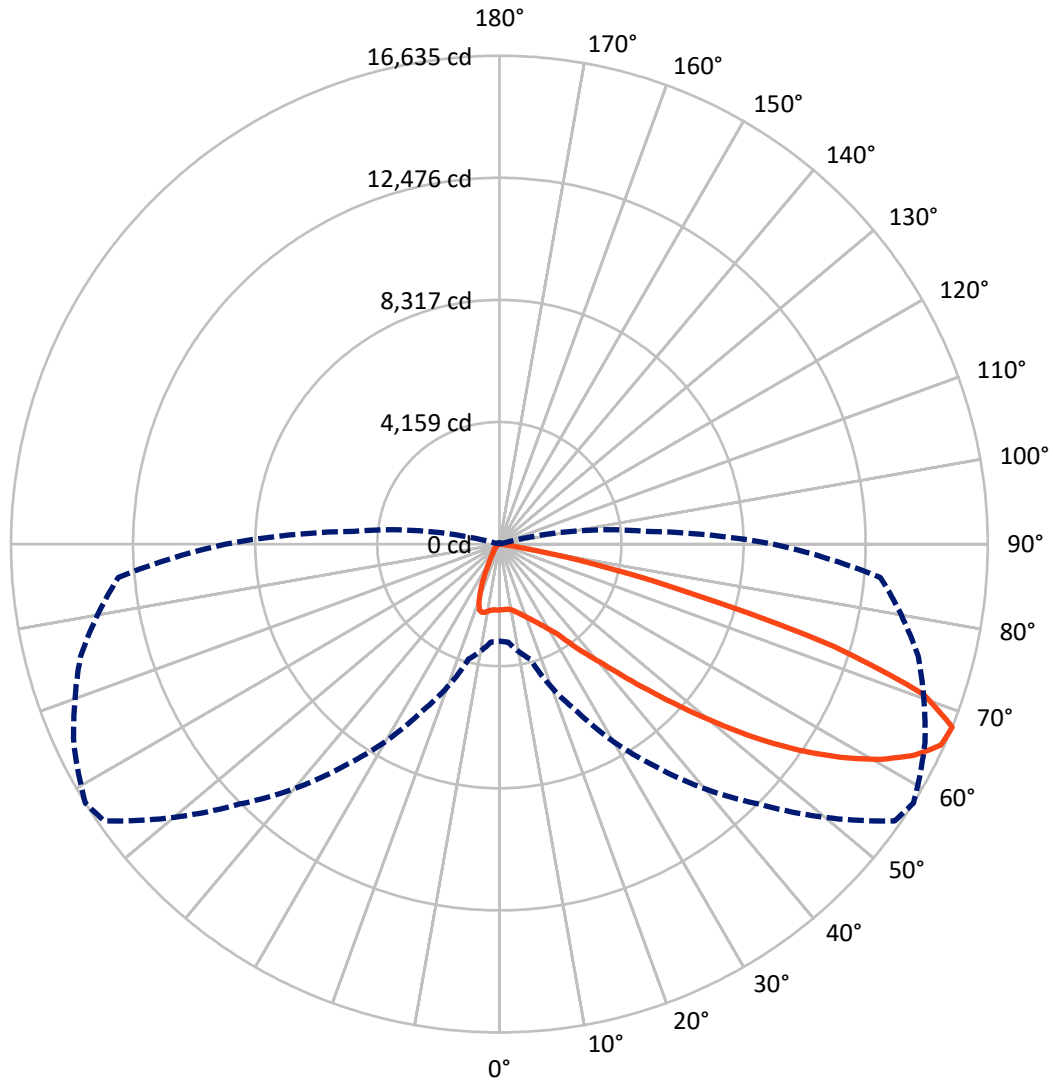
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P642183
CATALOG NUMBER: GWS-SA6C-735-U-T3-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P642183

CATALOG NUMBER: GWS-SA6C-735-U-T3-W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2243.1	0.0	2243.1
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	18317.1	0.0	18317.1
	% Fixture	89.1	0.0	89.1
Total	Lumens	20560.2	0.0	20560.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.5	1.0
10°-20°	590.9	2.9
20°-30°	1031.5	5.0
30°-40°	1842.1	9.0
40°-50°	3366.9	16.4
50°-60°	5599.6	27.2
60°-70°	6082.1	29.6
70°-80°	1785.8	8.7
80°-90°	50.9	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°	20560.2	100.0
0°-180°	20560.2	100.0

Coefficient of Utilization



REPORT NUMBER: P642183

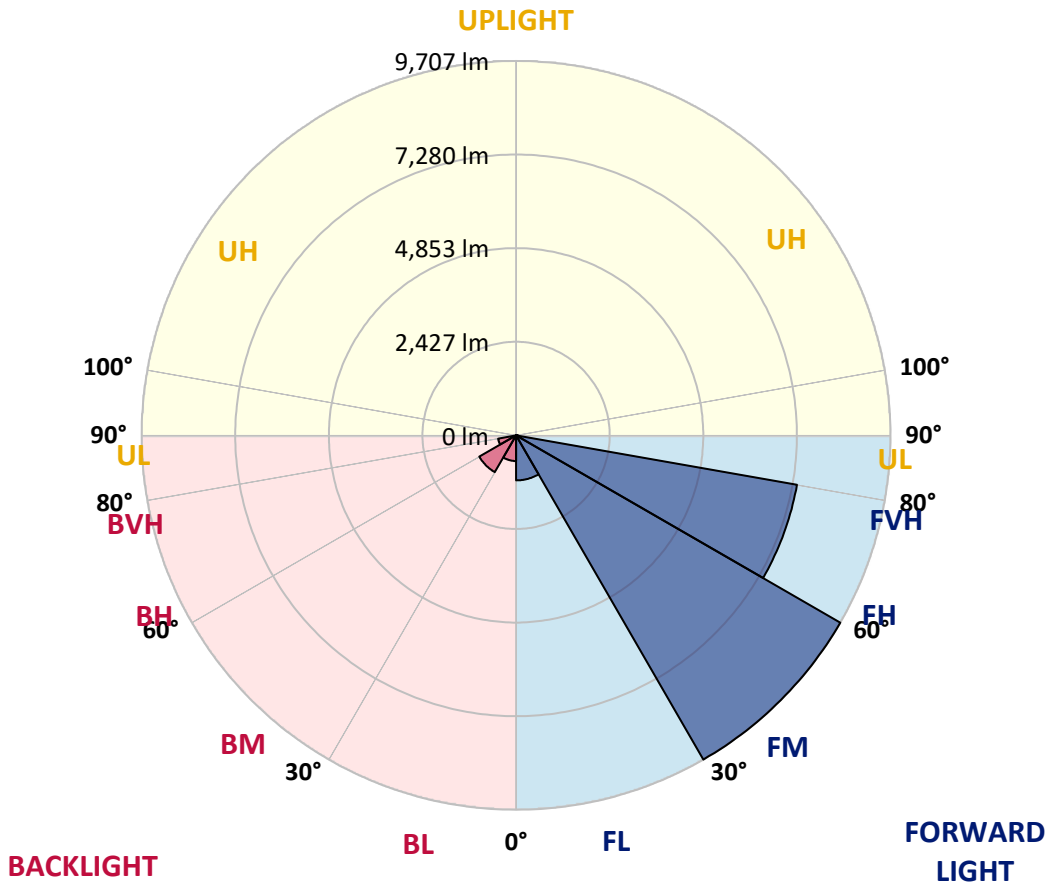
CATALOG NUMBER: GWS-SA6C-735-U-T3-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1167.5	5.7			
FM (30°-60°)	9706.9	47.2			
FH (60°-80°)	7394.4	36.0			G3/7500
FVH (80°-90°)	48.4	0.2			G1/100
BL (0°-30°)	665.4	3.2	B2/1000		
BM (30°-60°)	1101.7	5.4	B2/2500		
BH (60°-80°)	473.5	2.3	B1/500		G1/500
BVH (80°-90°)	2.5	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 Short





REPORT NUMBER: P642183

CATALOG NUMBER: GWS-SA6C-735-U-T3-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	2240.4	2240.4	2240.4	2240.4	2240.4	2240.4	2240.4	2240.4	2240.4	2240.4	2240.4
2.5°	2198.3	2194.3	2194.3	2210.3	2212.3	2220.4	2238.4	2240.4	2250.5	2246.5	2232.4
5°	2083.9	2085.9	2097.9	2126.0	2150.1	2180.2	2224.4	2234.4	2256.5	2268.6	2260.5
7.5°	1977.5	1979.5	1997.5	2041.7	2087.9	2148.1	2220.4	2240.4	2284.6	2316.7	2318.7
10°	1937.3	1935.3	1953.4	2003.6	2063.8	2148.1	2252.5	2278.6	2344.8	2401.1	2411.1
12.5°	1949.3	1947.3	1965.4	2011.6	2077.8	2184.2	2308.7	2344.8	2429.2	2515.5	2533.6
15°	1997.5	1995.5	2007.6	2045.7	2118.0	2228.4	2381.0	2435.2	2541.6	2646.0	2674.1
17.5°	2142.1	2132.0	2120.0	2124.0	2166.2	2280.6	2473.3	2539.6	2672.1	2796.5	2820.6
20°	2399.0	2372.9	2340.8	2298.7	2278.6	2356.9	2579.7	2656.0	2816.6	2959.2	2963.2
22.5°	2786.5	2776.5	2702.2	2579.7	2493.4	2495.4	2704.2	2792.5	2989.3	3145.9	3123.8
25°	3326.5	3320.5	3206.1	3005.3	2780.5	2704.2	2862.8	2953.1	3194.0	3360.7	3290.4
27.5°	3997.1	3954.9	3820.4	3549.4	3214.1	2975.2	3063.6	3143.9	3410.9	3567.5	3435.0
30°	4581.3	4583.3	4456.8	4173.7	3796.3	3382.8	3308.5	3378.7	3609.6	3774.2	3613.6
32.5°	5143.4	5161.5	5022.9	4768.0	4354.4	3914.8	3659.8	3671.8	3864.6	4043.2	3848.5
35°	5665.4	5679.4	5583.1	5366.2	4980.8	4470.9	4149.6	4143.6	4248.0	4430.7	4175.7
37.5°	6249.6	6263.6	6169.3	5974.5	5613.2	5107.3	4705.7	4697.7	4739.9	4888.4	4597.3
40°	6871.9	6898.0	6793.6	6629.0	6283.7	5856.1	5352.2	5279.9	5237.7	5412.4	5143.4
42.5°	7502.3	7542.4	7506.3	7341.7	7046.6	6693.2	6191.3	6078.9	5988.6	6207.4	5922.3
45°	8285.2	8333.4	8317.4	8190.9	7962.0	7674.9	7201.2	7070.7	7028.5	7231.3	6892.0
47.5°	9038.1	9090.3	9148.5	9120.4	8957.8	8825.3	8299.3	8225.0	8213.0	8429.8	7903.8
50°	9598.2	9646.4	9869.2	10029.8	10140.2	10112.1	9656.4	9546.0	9527.9	9666.4	8971.8
52.5°	9999.7	10045.9	10353.0	10854.9	11260.5	11481.3	11021.6	10997.5	10899.1	10850.9	9971.6
55°	10310.9	10375.1	10698.3	11457.2	12274.3	12764.1	12477.0	12390.7	12137.8	11860.7	10899.1
57.5°	10373.1	10399.2	10854.9	11878.8	13061.2	13854.2	13854.2	13703.7	13215.8	12832.4	11971.1
60°	9815.0	9895.3	10511.6	11844.7	13398.5	14566.9	14996.5	14892.2	14233.7	13761.9	13003.0
62.5°	8576.3	8666.7	9417.5	11027.6	13061.2	14713.5	15861.8	15845.7	15102.9	14530.8	13858.3
65°	6576.8	6643.0	7297.5	9224.8	11635.9	14149.3	16480.1	16524.3	15789.5	15038.7	14153.4
67.5°	3304.5	3350.6	4057.3	6301.8	9222.8	12525.2	16438.0	16634.7	15998.3	14769.7	13027.1
70°	1154.4	1200.5	1533.8	2704.2	5613.2	9564.1	15016.6	15337.8	14771.7	12607.5	9610.2
72.5°	395.5	417.6	636.4	1003.8	2184.2	5669.4	11419.1	11902.9	10889.1	8463.9	5522.8
75°	224.8	238.9	341.3	544.1	915.5	1865.0	6478.4	6775.5	6347.9	4613.4	2272.6
77.5°	152.6	164.6	212.8	309.2	505.9	600.3	2642.0	3326.5	2900.9	1505.7	580.2
80°	90.3	98.4	130.5	182.7	259.0	232.9	566.1	752.8	969.7	449.7	174.7
82.5°	42.2	48.2	84.3	120.5	130.5	98.4	166.6	202.8	273.0	220.8	72.3
85°	0.0	0.0	28.1	50.2	48.2	28.1	46.2	50.2	74.3	110.4	28.1
87.5°	0.0	0.0	0.0	0.0	0.0	2.0	4.0	6.0	12.0	22.1	12.0
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: P642183
 CATALOG NUMBER: GWS-SA6C-735-U-T3-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2240.4	2240.4	2240.4	2240.4	2240.4	2240.4	2240.4	2240.4	2240.4	2240.4	2240.4
2.5°	2248.5	2234.4	2250.5	2242.5	2250.5	2248.5	2232.4	2222.4	2222.4	2204.3	2198.3
5°	2276.6	2262.5	2266.5	2248.5	2244.5	2234.4	2214.3	2206.3	2206.3	2188.3	2182.2
7.5°	2338.8	2316.7	2312.7	2276.6	2260.5	2232.4	2196.3	2182.2	2180.2	2162.2	2156.1
10°	2437.2	2411.1	2393.0	2346.8	2300.7	2244.5	2168.2	2103.9	2067.8	2019.6	2015.6
12.5°	2557.6	2525.5	2497.4	2427.2	2350.9	2224.4	1999.5	1764.7	1620.1	1505.7	1513.7
15°	2692.2	2662.0	2617.9	2511.5	2354.9	2025.6	1555.9	1194.5	1017.8	923.5	919.5
17.5°	2838.7	2794.5	2722.3	2577.7	2228.4	1547.8	1011.8	714.7	622.3	590.2	582.2
20°	2975.2	2921.0	2830.7	2591.8	1863.0	1048.0	632.4	554.1	538.0	528.0	528.0
22.5°	3119.8	3051.5	2917.0	2483.4	1385.2	670.5	538.0	520.0	507.9	493.9	491.9
25°	3266.3	3178.0	2995.3	2200.3	907.4	528.0	503.9	483.8	461.7	439.7	433.6
27.5°	3390.8	3276.4	3055.5	1778.7	582.2	475.8	459.7	425.6	395.5	371.4	367.4
30°	3539.3	3392.8	3081.6	1300.9	457.7	419.6	395.5	359.4	323.2	299.1	291.1
32.5°	3738.1	3577.5	3041.5	847.2	405.5	369.4	331.2	289.1	253.0	226.9	222.8
35°	4047.3	3856.5	2856.8	540.0	367.4	319.2	273.0	228.9	198.7	178.7	174.7
37.5°	4424.7	4248.0	2553.6	405.5	329.2	277.0	222.8	180.7	158.6	144.5	140.5
40°	4984.8	4737.9	2178.2	355.3	291.1	234.9	182.7	148.6	132.5	120.5	116.4
42.5°	5711.5	5316.0	1746.6	323.2	255.0	196.7	148.6	122.5	108.4	100.4	98.4
45°	6560.7	5880.2	1290.9	291.1	220.8	162.6	122.5	100.4	90.3	84.3	82.3
47.5°	7430.0	6374.0	891.4	257.0	188.7	134.5	102.4	86.3	78.3	70.3	68.3
50°	8357.5	6791.6	608.3	222.8	160.6	110.4	88.3	78.3	68.3	62.2	60.2
52.5°	9038.1	6946.2	423.6	192.7	136.5	94.4	78.3	70.3	62.2	54.2	52.2
55°	9666.4	6942.2	321.2	162.6	116.4	82.3	70.3	62.2	54.2	48.2	46.2
57.5°	10292.8	6888.0	253.0	138.5	100.4	74.3	62.2	54.2	50.2	42.2	40.2
60°	10698.3	6683.2	196.7	116.4	86.3	64.2	54.2	48.2	42.2	36.1	34.1
62.5°	10913.1	6398.1	150.6	92.3	70.3	56.2	48.2	42.2	36.1	30.1	28.1
65°	10622.1	5892.2	118.4	72.3	54.2	48.2	40.2	34.1	28.1	22.1	20.1
67.5°	9331.2	4968.7	92.3	58.2	42.2	36.1	34.1	28.1	20.1	16.1	14.1
70°	6594.9	3402.8	72.3	44.2	32.1	28.1	26.1	22.1	16.1	12.0	10.0
72.5°	3619.6	1716.5	52.2	32.1	24.1	22.1	20.1	18.1	14.1	10.0	10.0
75°	1393.3	471.8	38.1	22.1	16.1	16.1	14.1	14.1	12.0	8.0	8.0
77.5°	363.4	140.5	24.1	14.1	10.0	10.0	10.0	8.0	8.0	6.0	6.0
80°	116.4	46.2	14.1	10.0	8.0	6.0	6.0	4.0	6.0	4.0	4.0
82.5°	38.1	16.1	8.0	8.0	6.0	4.0	4.0	2.0	2.0	0.0	0.0
85°	14.1	8.0	6.0	4.0	4.0	4.0	2.0	0.0	0.0	0.0	0.0
87.5°	8.0	4.0	4.0	4.0	4.0	2.0	0.0	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)