

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: P634902

Luminaire Tested: GWS-SA3C-760-U-SL4-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634902
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-760-U-SL4-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11088.8 lumens
Efficiency: N/A
Efficacy: 119.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

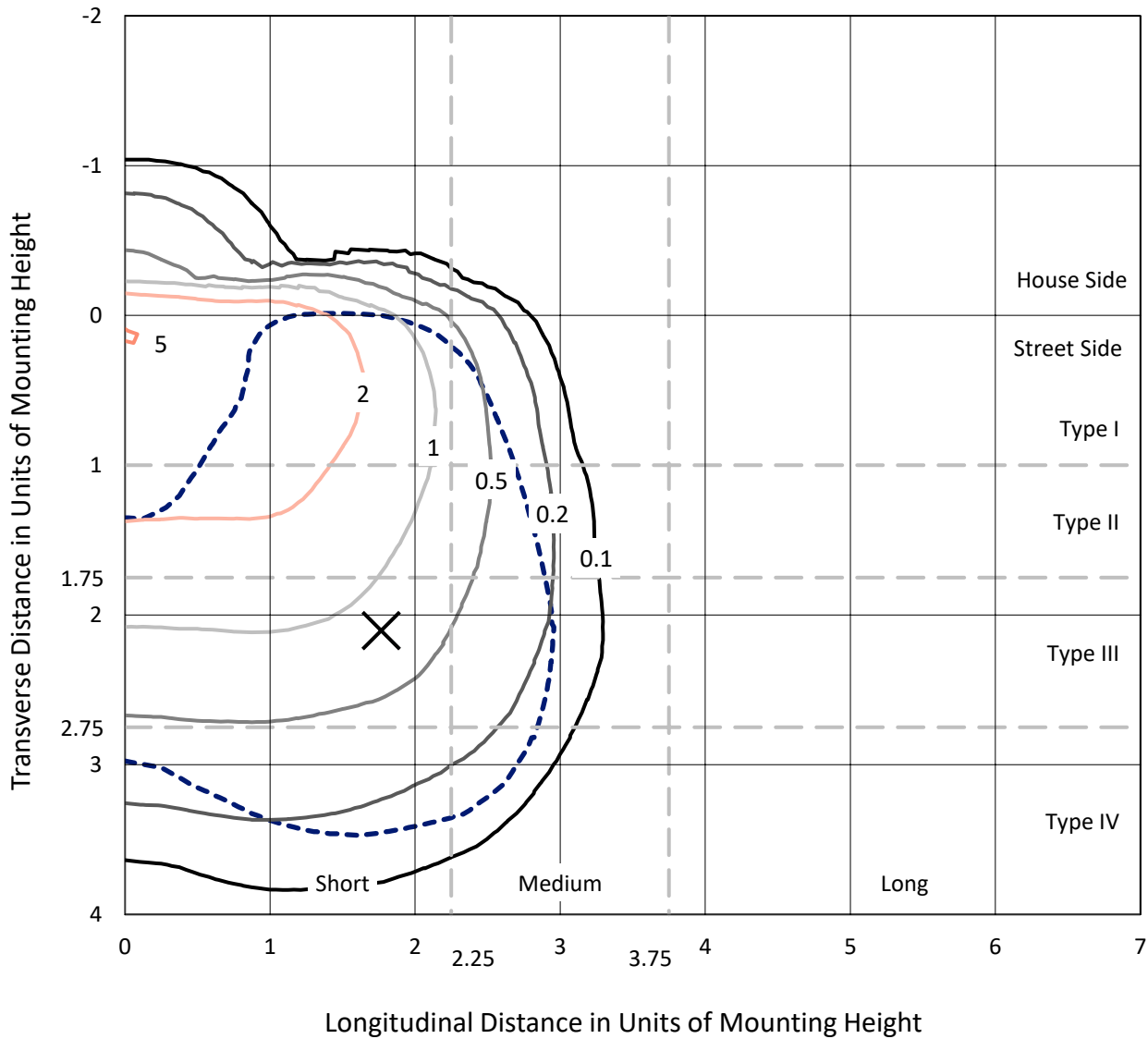
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

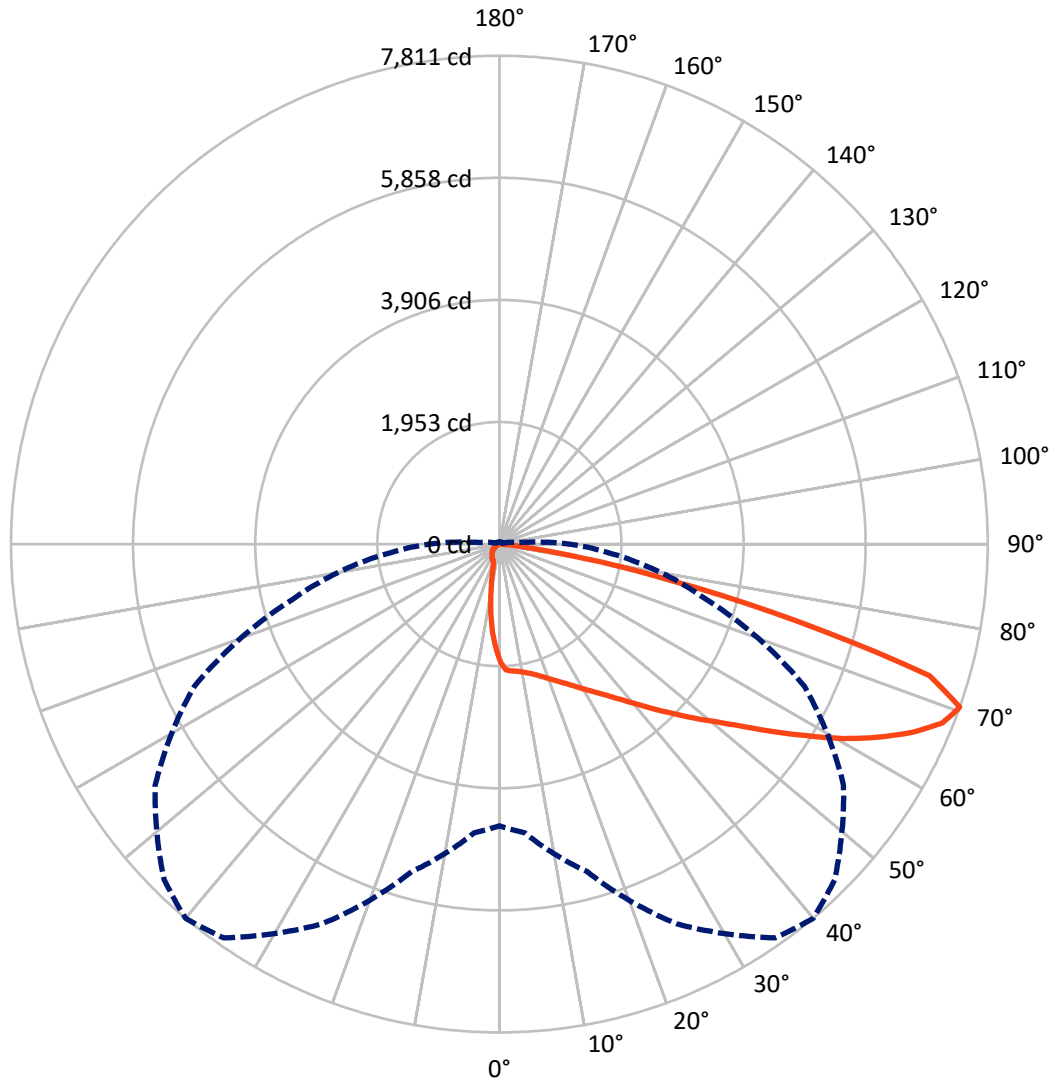
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	906.8	0.0	906.8
	% Fixture	8.2	0.0	8.2
Street Side	Lumens	10182.0	0.0	10182.0
	% Fixture	91.8	0.0	91.8
Total	Lumens	11088.8	0.0	11088.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.0	1.4
10°-20°	403.4	3.6
20°-30°	675.1	6.1
30°-40°	1060.3	9.6
40°-50°	1677.1	15.1
50°-60°	2446.5	22.1
60°-70°	3032.8	27.4
70°-80°	1534.4	13.8
80°-90°	100.2	0.9
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°	11088.8	100.0
0°-180°	11088.8	100.0

Coefficient of Utilization



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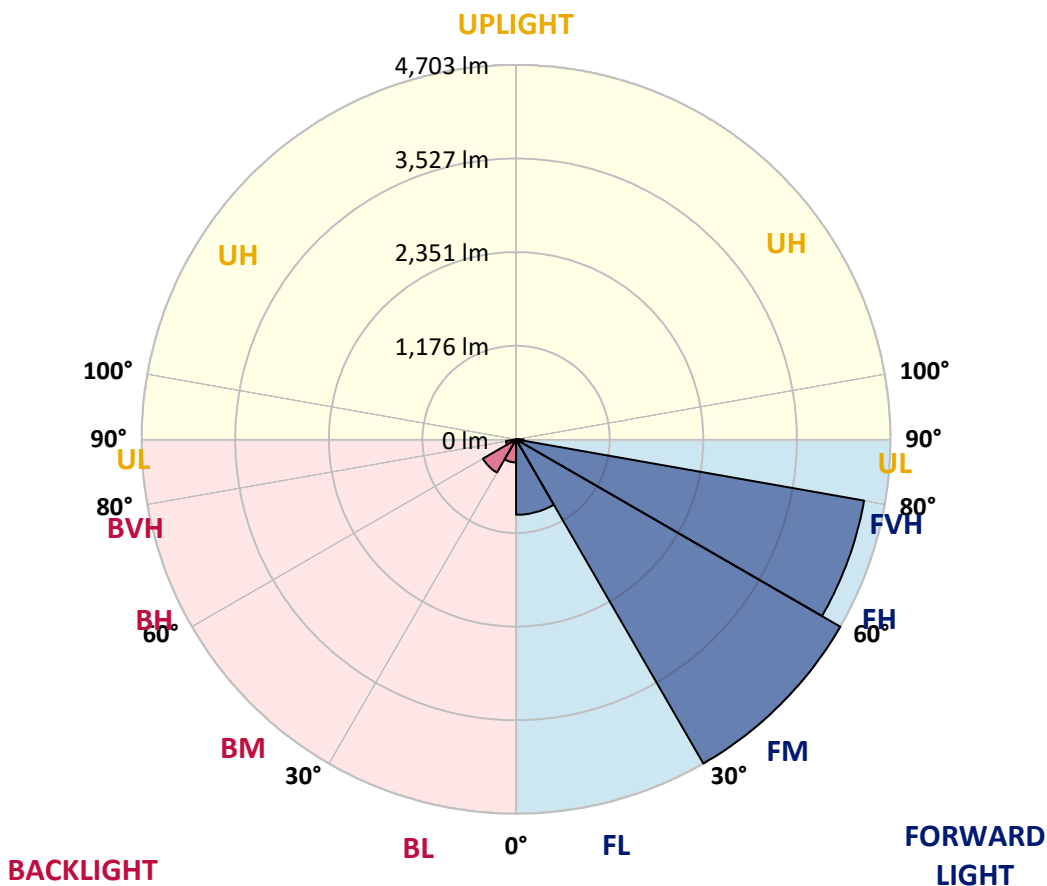
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	947.9	8.5			
FM (30°-60°)	4702.6	42.4			
FH (60°-80°)	4437.9	40.0			G2/5000
FVH (80°-90°)	93.6	0.8			G1/100
BL (0°-30°)	289.6	2.6	B1/500		
BM (30°-60°)	481.3	4.3	B1/1000		
BH (60°-80°)	129.3	1.2	B1/500		G1/500
BVH (80°-90°)	6.6	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	1881.6	1881.6	1881.6	1881.6	1881.6	1881.6	1881.6	1881.6	1881.6	1881.6	1881.6
2.5°	2022.9	2029.9	2028.9	2032.0	2024.9	2013.8	2011.8	1996.7	1969.4	1935.1	1896.8
5°	2064.3	2072.3	2066.3	2063.2	2050.1	2038.0	2035.0	2018.8	1987.6	1941.2	1874.6
7.5°	2099.6	2101.6	2097.5	2090.5	2071.3	2055.2	2044.1	2021.9	1984.5	1938.1	1861.5
10°	2105.6	2104.6	2106.6	2107.6	2095.5	2081.4	2072.3	2042.1	1994.6	1945.2	1862.5
12.5°	2098.6	2098.6	2111.7	2126.8	2126.8	2119.7	2110.7	2083.4	2027.9	1969.4	1882.6
15°	2107.6	2110.7	2135.9	2164.1	2173.2	2166.2	2162.1	2133.9	2076.4	2011.8	1919.0
17.5°	2139.9	2142.9	2183.3	2225.7	2236.8	2228.7	2220.6	2192.4	2130.8	2060.2	1960.3
20°	2187.3	2195.4	2246.9	2301.3	2311.4	2301.3	2285.2	2245.9	2184.3	2112.7	1999.7
22.5°	2274.1	2279.2	2334.6	2392.2	2397.2	2381.1	2356.8	2302.4	2237.8	2168.2	2044.1
25°	2389.1	2396.2	2451.7	2507.2	2494.1	2469.8	2436.5	2375.0	2301.3	2233.7	2100.6
27.5°	2526.3	2534.4	2588.9	2637.3	2603.0	2574.8	2537.4	2460.8	2386.1	2324.6	2173.2
30°	2674.6	2681.7	2730.1	2773.5	2728.1	2694.8	2650.4	2571.7	2496.1	2449.7	2276.1
32.5°	2817.9	2816.9	2863.3	2898.6	2852.2	2826.0	2785.6	2705.9	2645.4	2625.2	2429.5
35°	2951.1	2951.1	2989.4	3024.7	2991.4	2977.3	2940.0	2876.4	2842.1	2866.3	2634.3
37.5°	3085.3	3078.2	3114.5	3153.9	3150.9	3151.9	3130.7	3100.4	3102.4	3188.2	2915.8
40°	3196.3	3193.2	3235.6	3287.1	3327.4	3359.7	3346.6	3357.7	3421.2	3581.7	3276.0
42.5°	3285.0	3292.1	3346.6	3428.3	3530.2	3595.8	3604.9	3650.3	3813.7	4061.9	3682.6
45°	3386.9	3388.0	3463.6	3588.7	3751.2	3855.1	3891.4	4008.4	4240.5	4560.3	4128.5
47.5°	3512.1	3499.9	3584.7	3760.2	3995.3	4148.7	4213.3	4359.5	4718.7	5046.6	4491.7
50°	3650.3	3628.1	3723.9	3963.0	4268.7	4460.4	4591.6	4805.5	5192.9	5446.2	4762.1
52.5°	3810.7	3789.5	3898.5	4196.1	4596.6	4829.7	4998.2	5214.1	5599.5	5750.8	4923.5
55°	4014.5	3993.3	4108.3	4475.6	4984.1	5286.7	5463.3	5644.9	5977.9	5975.8	5040.6
57.5°	4240.5	4211.2	4370.6	4828.7	5467.3	5782.1	5961.7	6050.5	6265.4	6150.4	5119.3
60°	4499.8	4473.6	4694.5	5249.4	6025.3	6316.9	6429.8	6393.5	6501.5	6253.3	5092.0
62.5°	4733.9	4721.7	4996.2	5695.4	6557.0	6803.1	6834.4	6676.0	6675.0	6255.3	4908.4
65°	4977.0	5000.2	5407.8	6208.9	7091.7	7257.2	7203.7	6956.5	6744.6	6008.1	4365.6
67.5°	5067.8	5135.4	5679.2	6673.0	7513.4	7642.6	7548.7	7096.7	6455.1	5176.8	3324.4
70°	4506.8	4634.0	5422.9	6699.2	7688.0	7811.1	7586.1	6719.4	5381.6	3429.3	1821.1
72.5°	3427.3	3575.6	4519.0	5485.5	6914.1	7194.6	6810.2	5474.4	3468.7	1502.3	611.4
75°	1918.0	2078.4	3365.8	4130.5	4642.0	4898.3	4757.1	3512.1	1536.6	392.5	182.6
77.5°	648.7	702.2	1565.8	2555.6	3064.1	2834.1	2399.2	1744.4	565.0	149.3	96.9
80°	384.4	404.6	583.2	1272.2	1612.3	1336.8	1055.3	644.7	287.5	79.7	67.6
82.5°	115.0	136.2	321.8	472.2	631.6	393.5	332.9	368.3	149.3	43.4	56.5
85°	0.0	0.0	68.6	146.3	165.5	64.6	64.6	208.8	27.2	18.2	41.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	5.0	3.0	4.0	9.1
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°	1881.6	1881.6	1881.6	1881.6	1881.6	1881.6	1881.6	1881.6	1881.6	1881.6	1881.6
2.5°	1869.5	1834.2	1792.9	1753.5	1716.2	1667.7	1644.5	1616.3	1592.1	1579.0	1586.0
5°	1832.2	1776.7	1692.0	1606.2	1519.4	1437.7	1364.1	1314.6	1270.2	1247.0	1252.1
7.5°	1799.9	1725.3	1593.1	1452.8	1313.6	1173.4	1059.4	970.6	902.0	873.7	868.7
10°	1785.8	1692.0	1505.3	1303.5	1089.6	901.0	739.5	641.7	572.1	537.8	543.8
12.5°	1792.9	1674.8	1430.6	1157.2	879.8	659.8	505.5	413.7	364.2	344.0	339.0
15°	1813.0	1670.8	1364.1	1007.9	679.0	461.1	349.1	311.8	301.7	299.6	299.6
17.5°	1836.2	1671.8	1295.5	856.6	515.6	342.0	298.6	291.6	288.6	286.5	287.5
20°	1859.4	1671.8	1216.8	703.2	387.4	295.6	284.5	279.5	276.4	275.4	275.4
22.5°	1887.7	1671.8	1129.0	561.0	310.7	280.5	271.4	268.4	265.3	264.3	263.3
25°	1922.0	1672.8	1032.1	438.9	282.5	267.4	260.3	257.3	254.2	252.2	252.2
27.5°	1971.4	1680.9	925.2	342.0	266.4	255.3	249.2	246.2	243.1	240.1	240.1
30°	2043.1	1701.0	805.1	282.5	251.2	242.1	236.1	234.1	231.0	228.0	227.0
32.5°	2150.0	1736.4	681.0	253.2	237.1	228.0	221.0	218.9	215.9	212.9	211.9
35°	2299.3	1800.9	560.0	235.1	218.9	209.9	205.8	204.8	200.8	197.7	197.7
37.5°	2518.3	1905.9	443.9	216.9	203.8	196.7	191.7	189.7	185.6	182.6	181.6
40°	2785.6	2042.1	345.1	202.8	189.7	182.6	177.6	174.5	169.5	165.5	163.4
42.5°	3126.6	2208.5	272.4	187.7	176.6	169.5	165.5	159.4	152.3	146.3	145.3
45°	3481.8	2380.0	225.0	173.5	164.5	158.4	153.4	145.3	135.2	128.1	126.1
47.5°	3754.2	2487.0	196.7	158.4	151.3	146.3	140.2	130.2	118.0	110.0	108.0
50°	3948.9	2503.1	175.6	144.3	140.2	135.2	126.1	114.0	100.9	92.8	90.8
52.5°	4044.8	2430.5	158.4	131.2	128.1	123.1	112.0	98.9	84.7	76.7	74.7
55°	4088.1	2293.3	142.3	120.1	116.0	110.0	97.9	83.7	69.6	62.6	60.5
57.5°	4071.0	2090.5	128.1	109.0	103.9	96.9	83.7	68.6	57.5	50.4	49.4
60°	3943.9	1806.0	114.0	97.9	91.8	83.7	70.6	56.5	46.4	41.4	40.4
62.5°	3669.4	1452.8	99.9	84.7	80.7	72.6	60.5	46.4	38.3	35.3	34.3
65°	3107.5	1027.1	85.8	71.6	69.6	61.5	50.4	38.3	33.3	31.3	30.3
67.5°	2233.7	624.5	72.6	61.5	59.5	52.5	42.4	33.3	30.3	29.3	29.3
70°	1122.9	295.6	57.5	50.4	50.4	43.4	36.3	30.3	29.3	28.2	28.2
72.5°	381.4	126.1	43.4	39.3	41.4	37.3	31.3	28.2	28.2	28.2	28.2
75°	130.2	66.6	30.3	28.2	30.3	30.3	27.2	27.2	28.2	28.2	28.2
77.5°	84.7	44.4	21.2	19.2	23.2	23.2	23.2	25.2	27.2	27.2	27.2
80°	69.6	24.2	14.1	13.1	17.2	17.2	19.2	23.2	25.2	25.2	25.2
82.5°	59.5	15.1	8.1	9.1	12.1	13.1	16.1	19.2	22.2	23.2	23.2
85°	40.4	8.1	6.1	7.1	8.1	10.1	13.1	16.1	18.2	20.2	20.2
87.5°	11.1	3.0	4.0	5.0	5.0	7.1	10.1	12.1	14.1	15.1	15.1
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)