

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: P634847

Luminaire Tested: GWS-SA3C-750-U-SL4-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634847
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11242.9 lumens
Efficiency: N/A
Efficacy: 120.9 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

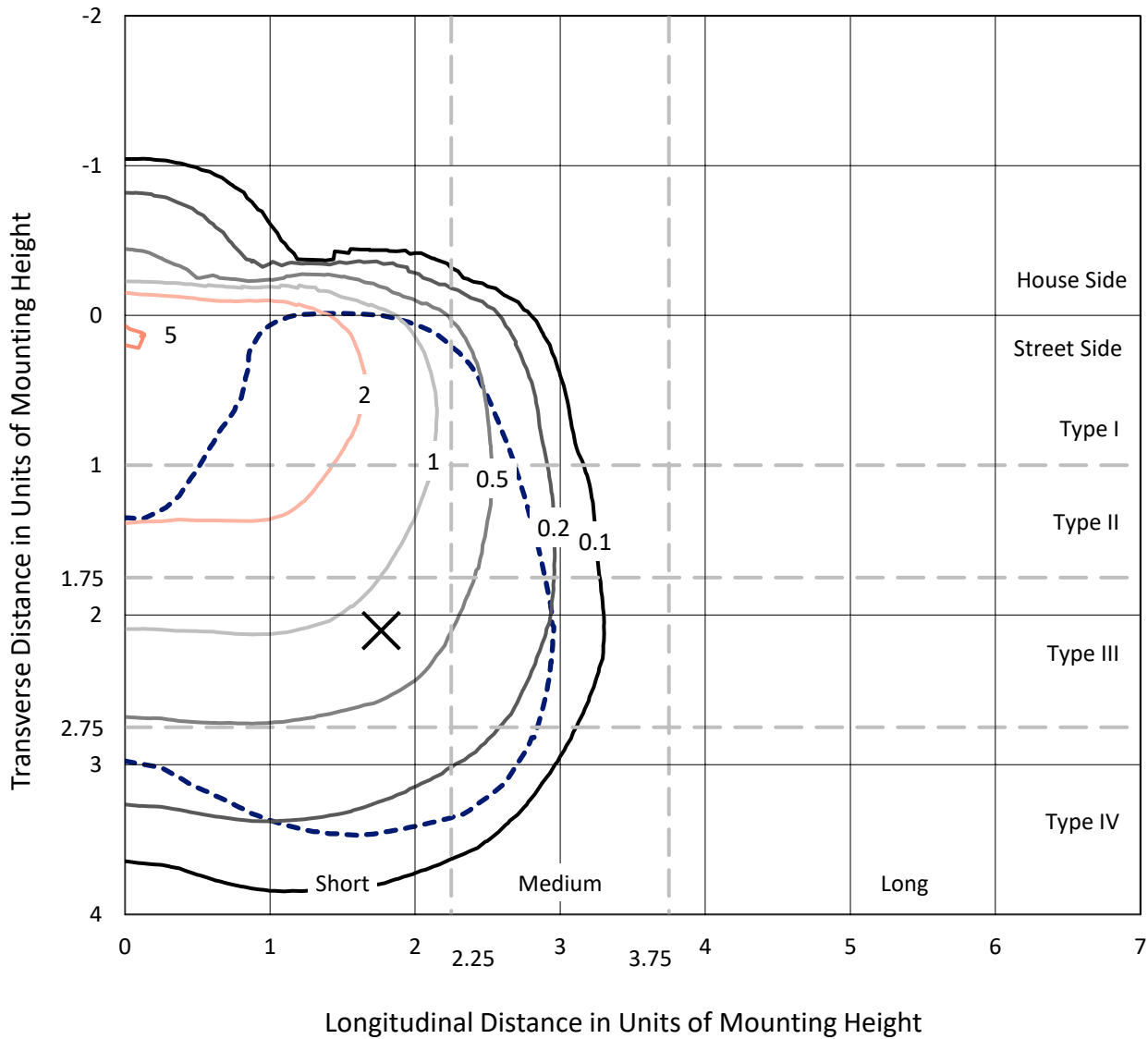
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

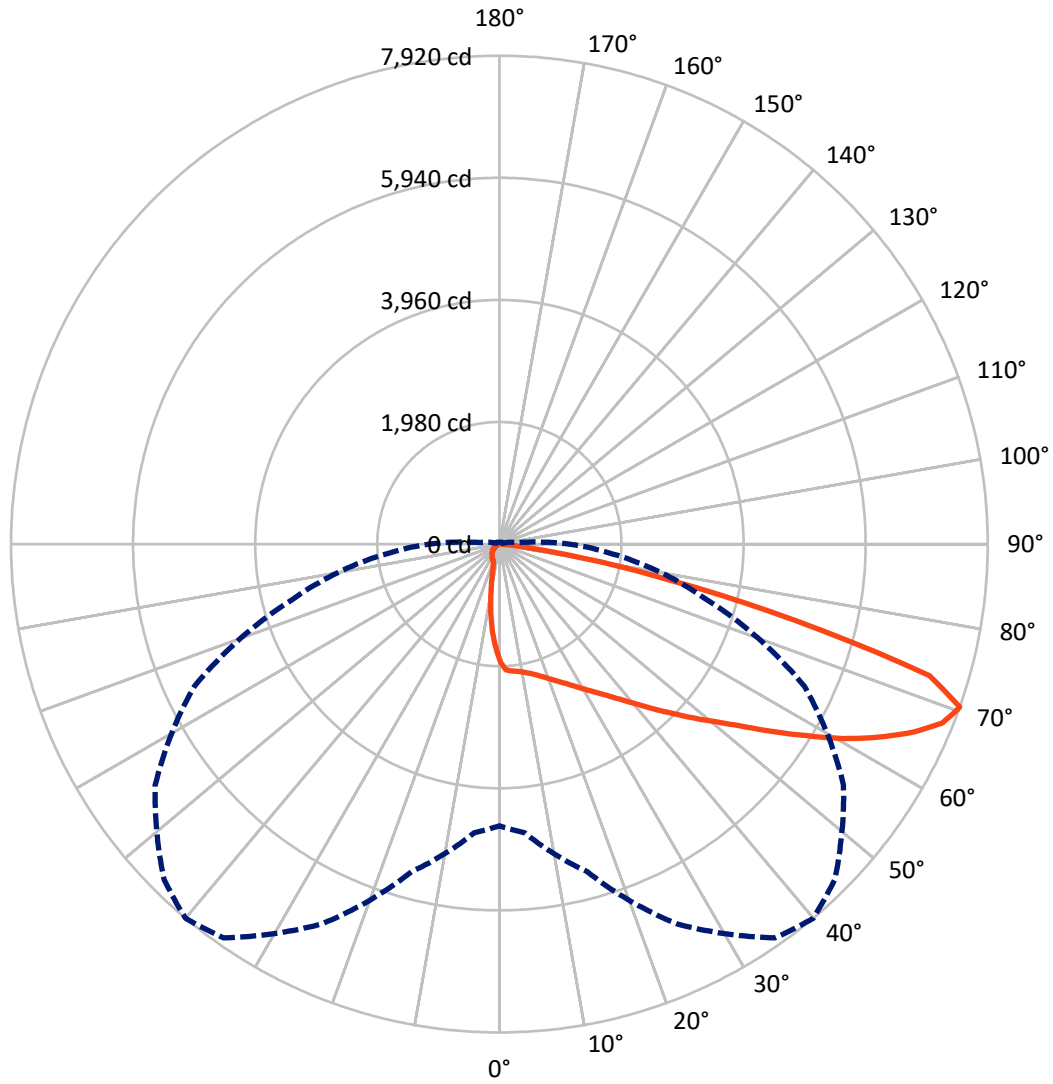
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.2 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	919.4	0.0	919.4
	% Fixture	8.2	0.0	8.2
Street Side	Lumens	10323.5	0.0	10323.5
	% Fixture	91.8	0.0	91.8
Total	Lumens	11242.9	0.0	11242.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.2	1.4
10°-20°	409.0	3.6
20°-30°	684.5	6.1
30°-40°	1075.0	9.6
40°-50°	1700.4	15.1
50°-60°	2480.5	22.1
60°-70°	3075.0	27.4
70°-80°	1555.7	13.8
80°-90°	101.6	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°	11242.9	100.0
0°-180°	11242.9	100.0

Coefficient of Utilization



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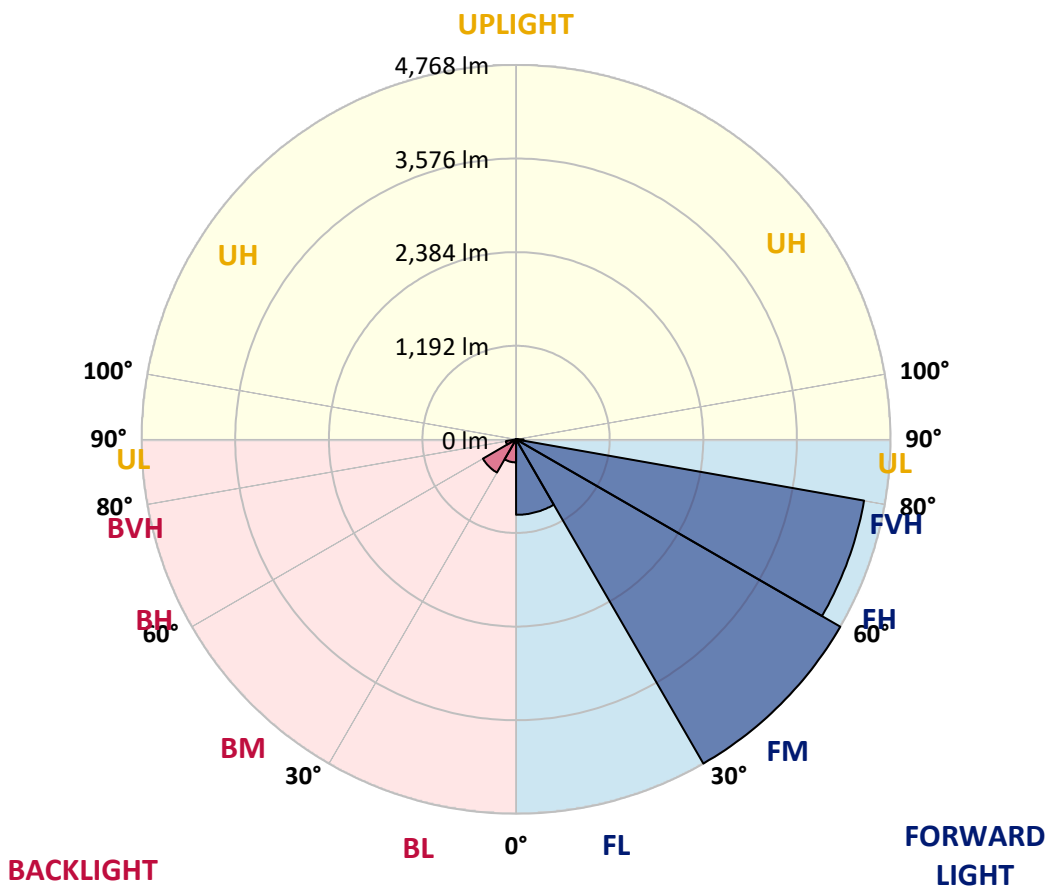
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	961.1	8.5			
FM (30°-60°)	4768.0	42.4			
FH (60°-80°)	4499.6	40.0			G2/5000
FVH (80°-90°)	94.9	0.8			G1/100
BL (0°-30°)	293.6	2.6	B1/500		
BM (30°-60°)	488.0	4.3	B1/1000		
BH (60°-80°)	131.1	1.2	B1/500		G1/500
BVH (80°-90°)	6.7	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°	1907.8	1907.8	1907.8	1907.8	1907.8	1907.8	1907.8	1907.8	1907.8	1907.8	1907.8
2.5°	2051.0	2058.2	2057.1	2060.2	2053.0	2041.8	2039.7	2024.4	1996.8	1962.0	1923.1
5°	2092.9	2101.1	2095.0	2091.9	2078.6	2066.3	2063.3	2046.9	2015.2	1968.1	1900.6
7.5°	2128.7	2130.8	2126.7	2119.5	2100.1	2083.7	2072.5	2050.0	2012.1	1965.1	1887.3
10°	2134.9	2133.9	2135.9	2136.9	2124.6	2110.3	2101.1	2070.4	2022.4	1972.2	1888.3
12.5°	2127.7	2127.7	2141.0	2156.4	2156.4	2149.2	2140.0	2112.4	2056.1	1996.8	1908.8
15°	2136.9	2140.0	2165.6	2194.2	2203.4	2196.3	2192.2	2163.5	2105.2	2039.7	1945.6
17.5°	2169.7	2172.7	2213.6	2256.6	2267.9	2259.7	2251.5	2222.9	2160.5	2088.8	1987.6
20°	2217.7	2225.9	2278.1	2333.3	2343.6	2333.3	2317.0	2277.1	2214.7	2142.0	2027.5
22.5°	2305.7	2310.8	2367.1	2425.4	2430.5	2414.1	2389.6	2334.4	2268.9	2198.3	2072.5
25°	2422.3	2429.5	2485.7	2542.0	2528.7	2504.2	2470.4	2408.0	2333.3	2264.8	2129.8
27.5°	2561.4	2569.6	2624.9	2674.0	2639.2	2610.5	2572.7	2495.0	2419.3	2356.9	2203.4
30°	2711.8	2719.0	2768.1	2812.1	2766.0	2732.3	2687.3	2607.5	2530.8	2483.7	2307.8
32.5°	2857.1	2856.1	2903.1	2938.9	2891.9	2865.3	2824.3	2743.5	2682.2	2661.7	2463.2
35°	2992.1	2992.1	3031.0	3066.8	3033.0	3018.7	2980.9	2916.4	2881.6	2906.2	2670.9
37.5°	3128.2	3121.0	3157.8	3197.7	3194.6	3195.7	3174.2	3143.5	3145.5	3232.5	2956.3
40°	3240.7	3237.6	3280.6	3332.7	3373.7	3406.4	3393.1	3404.3	3468.8	3631.4	3321.5
42.5°	3330.7	3337.9	3393.1	3476.0	3579.3	3645.8	3655.0	3701.0	3866.7	4118.4	3733.7
45°	3434.0	3435.0	3511.8	3638.6	3803.3	3908.7	3945.5	4064.1	4299.4	4623.7	4185.9
47.5°	3560.9	3548.6	3634.5	3812.5	4050.8	4206.3	4271.8	4420.1	4784.3	5116.8	4554.1
50°	3701.0	3678.5	3775.7	4018.1	4328.1	4522.4	4655.4	4872.3	5265.1	5521.8	4828.3
52.5°	3863.6	3842.2	3952.6	4254.4	4660.5	4896.8	5067.7	5286.6	5677.3	5830.8	4992.0
55°	4070.3	4048.8	4165.4	4537.8	5053.3	5360.2	5539.2	5723.4	6060.9	6058.9	5110.6
57.5°	4299.4	4269.8	4431.4	4895.8	5543.3	5862.5	6044.6	6134.6	6352.5	6235.8	5190.4
60°	4562.3	4535.7	4759.7	5322.4	6109.0	6404.6	6519.2	6482.4	6591.8	6340.2	5162.8
62.5°	4799.6	4787.4	5065.6	5774.5	6648.1	6897.7	6929.4	6768.8	6767.8	6342.2	4976.6
65°	5046.2	5069.7	5483.0	6295.2	7190.3	7358.0	7303.8	7053.2	6838.4	6091.6	4426.3
67.5°	5138.2	5206.8	5758.1	6765.7	7617.8	7748.8	7653.6	7195.4	6544.8	5248.7	3370.6
70°	4569.5	4698.4	5498.3	6792.3	7794.8	7919.6	7691.5	6812.8	5456.4	3477.0	1846.4
72.5°	3474.9	3625.3	4581.8	5561.7	7010.2	7294.6	6904.9	5550.5	3516.9	1523.2	619.9
75°	1944.6	2107.3	3412.5	4187.9	4706.6	4966.4	4823.2	3560.9	1557.9	397.9	185.2
77.5°	657.8	712.0	1587.6	2591.1	3106.7	2873.4	2432.6	1768.7	572.8	151.4	98.2
80°	389.7	410.2	591.3	1289.9	1634.7	1355.4	1070.0	653.7	291.5	80.8	68.5
82.5°	116.6	138.1	326.3	478.7	640.4	398.9	337.6	373.4	151.4	44.0	57.3
85°	0.0	0.0	69.6	148.3	167.8	65.5	65.5	211.7	27.6	18.4	41.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	5.1	3.1	4.1	9.2
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°	1907.8	1907.8	1907.8	1907.8	1907.8	1907.8	1907.8	1907.8	1907.8	1907.8	1907.8
2.5°	1895.5	1859.7	1817.8	1777.9	1740.0	1690.9	1667.4	1638.8	1614.2	1600.9	1608.1
5°	1857.7	1801.4	1715.5	1628.5	1540.5	1457.7	1383.0	1332.9	1287.9	1264.4	1269.5
7.5°	1824.9	1749.2	1615.2	1473.0	1331.9	1189.7	1074.1	984.1	914.5	885.9	880.8
10°	1810.6	1715.5	1526.2	1321.6	1104.8	913.5	749.8	650.6	580.0	545.2	551.4
12.5°	1817.8	1698.1	1450.5	1173.3	892.0	669.0	512.5	419.4	369.3	348.8	343.7
15°	1838.2	1694.0	1383.0	1021.9	688.4	467.5	353.9	316.1	305.9	303.8	303.8
17.5°	1861.8	1695.0	1313.5	868.5	522.7	346.8	302.8	295.6	292.6	290.5	291.5
20°	1885.3	1695.0	1233.7	713.0	392.8	299.7	288.5	283.4	280.3	279.3	279.3
22.5°	1913.9	1695.0	1144.7	568.8	315.1	284.4	275.2	272.1	269.0	268.0	267.0
25°	1948.7	1696.0	1046.5	445.0	286.4	271.1	263.9	260.9	257.8	255.7	255.7
27.5°	1998.8	1704.2	938.0	346.8	270.1	258.8	252.7	249.6	246.5	243.5	243.5
30°	2071.5	1724.7	816.3	286.4	254.7	245.5	239.4	237.3	234.3	231.2	230.2
32.5°	2179.9	1760.5	690.5	256.8	240.4	231.2	224.0	222.0	218.9	215.8	214.8
35°	2331.3	1826.0	567.7	238.3	222.0	212.8	208.7	207.7	203.6	200.5	200.5
37.5°	2553.3	1932.3	450.1	219.9	206.6	199.5	194.4	192.3	188.2	185.2	184.1
40°	2824.3	2070.4	349.8	205.6	192.3	185.2	180.0	177.0	171.9	167.8	165.7
42.5°	3170.1	2239.2	276.2	190.3	179.0	171.9	167.8	161.6	154.5	148.3	147.3
45°	3530.2	2413.1	228.1	175.9	166.7	160.6	155.5	147.3	137.1	129.9	127.9
47.5°	3806.4	2521.6	199.5	160.6	153.4	148.3	142.2	132.0	119.7	111.5	109.5
50°	4003.8	2537.9	178.0	146.3	142.2	137.1	127.9	115.6	102.3	94.1	92.1
52.5°	4101.0	2464.3	160.6	133.0	129.9	124.8	113.5	100.2	85.9	77.7	75.7
55°	4145.0	2325.1	144.2	121.7	117.6	111.5	99.2	84.9	70.6	63.4	61.4
57.5°	4127.6	2119.5	129.9	110.5	105.4	98.2	84.9	69.6	58.3	51.1	50.1
60°	3998.7	1831.1	115.6	99.2	93.1	84.9	71.6	57.3	47.1	41.9	40.9
62.5°	3720.4	1473.0	101.3	85.9	81.8	73.7	61.4	47.1	38.9	35.8	34.8
65°	3150.7	1041.4	87.0	72.6	70.6	62.4	51.1	38.9	33.8	31.7	30.7
67.5°	2264.8	633.2	73.7	62.4	60.4	53.2	43.0	33.8	30.7	29.7	29.7
70°	1138.5	299.7	58.3	51.1	51.1	44.0	36.8	30.7	29.7	28.6	28.6
72.5°	386.7	127.9	44.0	39.9	41.9	37.8	31.7	28.6	28.6	28.6	28.6
75°	132.0	67.5	30.7	28.6	30.7	30.7	27.6	27.6	28.6	28.6	28.6
77.5°	85.9	45.0	21.5	19.4	23.5	23.5	23.5	25.6	27.6	27.6	27.6
80°	70.6	24.6	14.3	13.3	17.4	17.4	19.4	23.5	25.6	25.6	25.6
82.5°	60.4	15.3	8.2	9.2	12.3	13.3	16.4	19.4	22.5	23.5	23.5
85°	40.9	8.2	6.1	7.2	8.2	10.2	13.3	16.4	18.4	20.5	20.5
87.5°	11.3	3.1	4.1	5.1	5.1	7.2	10.2	12.3	14.3	15.3	15.3
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)