

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: P635748

Luminaire Tested: GWS-SA3E-735-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635748
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-SA3E-735-U-T3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15923.8 lumens
Efficiency: N/A
Efficacy: 100.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

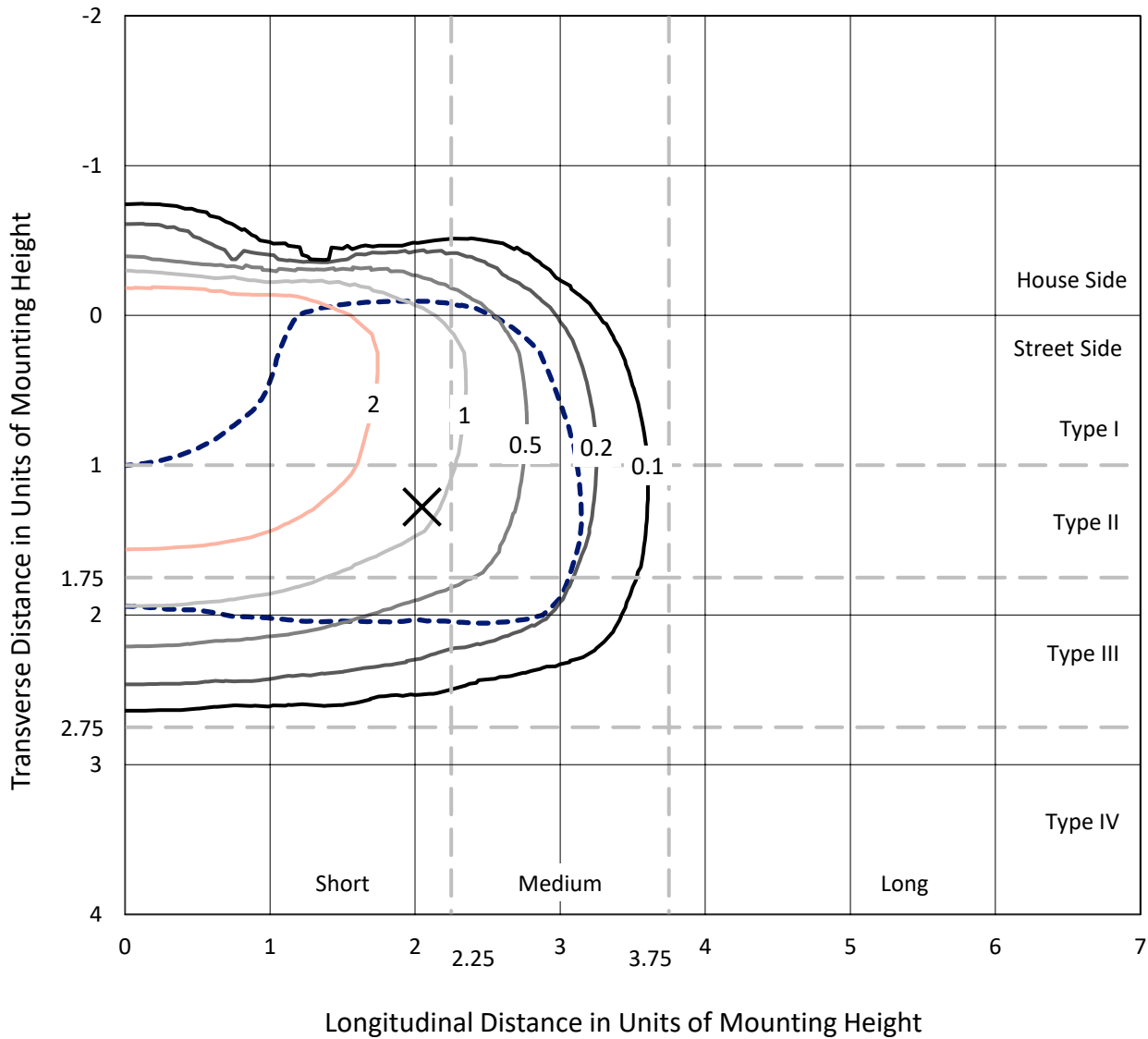
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

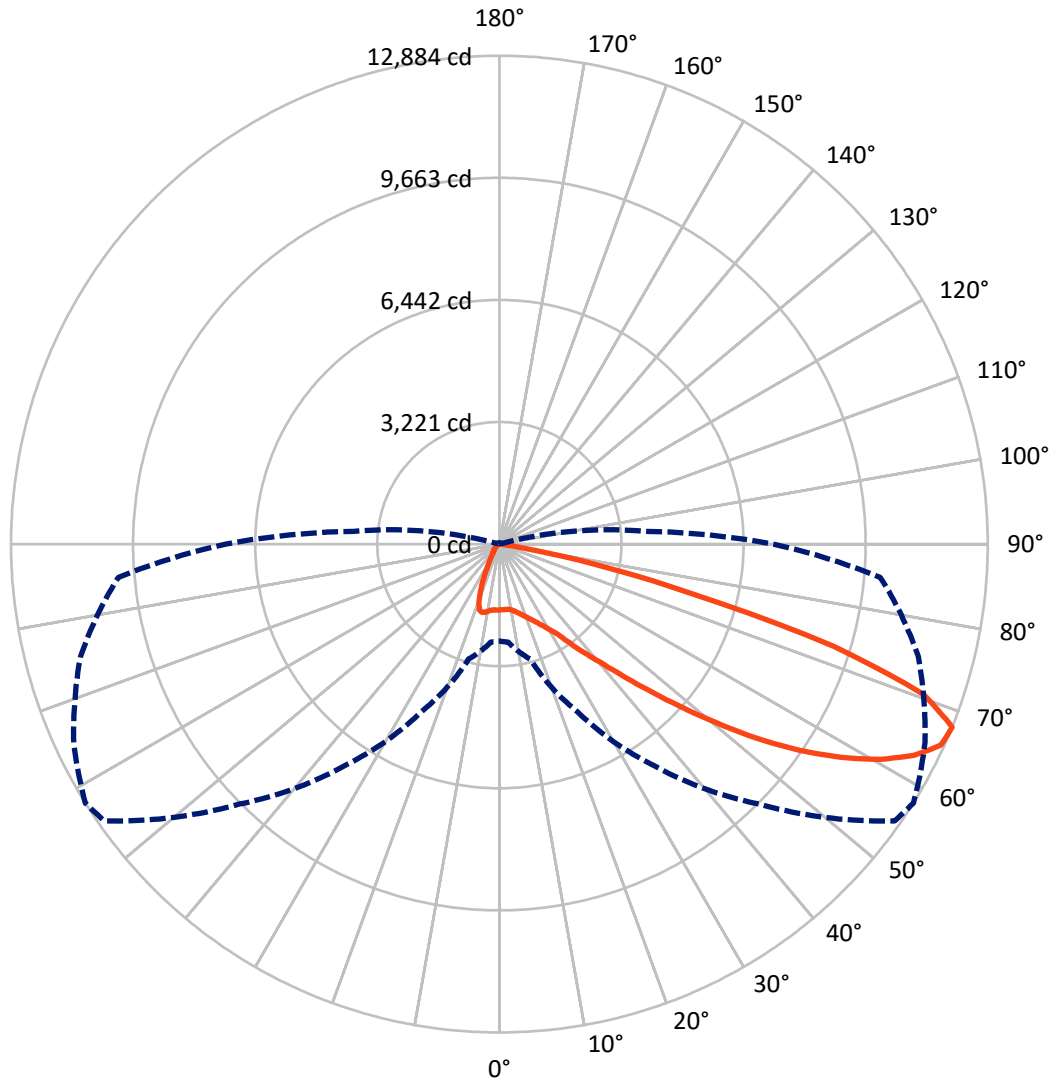
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1737.3	0.0	1737.3
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	14186.6	0.0	14186.6
	% Fixture	89.1	0.0	89.1
Total	Lumens	15923.8	0.0	15923.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.0	1.0
10°-20°	457.7	2.9
20°-30°	798.9	5.0
30°-40°	1426.7	9.0
40°-50°	2607.7	16.4
50°-60°	4336.9	27.2
60°-70°	4710.6	29.6
70°-80°	1383.1	8.7
80°-90°	39.4	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°	15923.8	100.0
0°-180°	15923.8	100.0

Coefficient of Utilization



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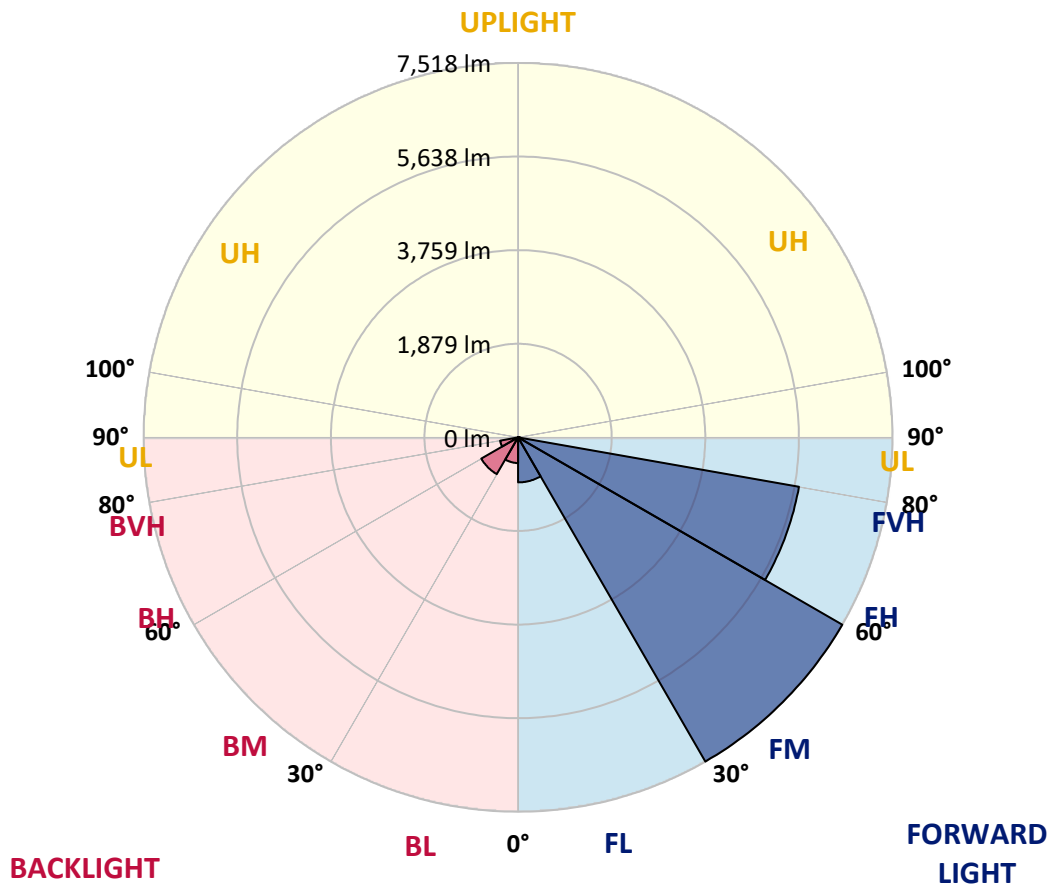
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	904.2	5.7			
FM (30°-60°)	7518.0	47.2			
FH (60°-80°)	5726.9	36.0			G3/7500
FVH (80°-90°)	37.5	0.2			G1/100
BL (0°-30°)	515.3	3.2	B2/1000		
BM (30°-60°)	853.3	5.4	B1/1000		
BH (60°-80°)	366.7	2.3	B1/500		G1/500
BVH (80°-90°)	1.9	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1735.2	1735.2	1735.2	1735.2	1735.2	1735.2	1735.2	1735.2	1735.2	1735.2	1735.2
2.5°	1702.6	1699.5	1699.5	1711.9	1713.5	1719.7	1733.7	1735.2	1743.0	1739.9	1729.0
5°	1613.9	1615.5	1624.8	1646.6	1665.2	1688.6	1722.8	1730.6	1747.7	1757.0	1750.8
7.5°	1531.5	1533.1	1547.1	1581.3	1617.0	1663.7	1719.7	1735.2	1769.4	1794.3	1795.9
10°	1500.4	1498.9	1512.9	1551.7	1598.4	1663.7	1744.5	1764.8	1816.1	1859.6	1867.4
12.5°	1509.8	1508.2	1522.2	1558.0	1609.3	1691.7	1788.1	1816.1	1881.4	1948.2	1962.2
15°	1547.1	1545.5	1554.9	1584.4	1640.4	1725.9	1844.1	1886.0	1968.4	2049.3	2071.1
17.5°	1659.0	1651.3	1641.9	1645.0	1677.7	1766.3	1915.6	1966.9	2069.5	2165.9	2184.6
20°	1858.1	1837.8	1813.0	1780.3	1764.8	1825.4	1998.0	2057.1	2181.5	2291.9	2295.0
22.5°	2158.1	2150.4	2092.8	1998.0	1931.1	1932.7	2094.4	2162.8	2315.2	2436.5	2419.4
25°	2576.4	2571.7	2483.1	2327.6	2153.5	2094.4	2217.2	2287.2	2473.8	2602.8	2548.4
27.5°	3095.7	3063.1	2958.9	2749.0	2489.3	2304.3	2372.7	2434.9	2641.7	2763.0	2660.4
30°	3548.2	3549.7	3451.8	3232.5	2940.2	2619.9	2562.4	2616.8	2795.6	2923.1	2798.7
32.5°	3983.5	3997.5	3890.2	3692.8	3372.5	3032.0	2834.5	2843.8	2993.1	3131.5	2980.7
35°	4387.8	4398.7	4324.1	4156.1	3857.6	3462.7	3213.9	3209.2	3290.1	3431.6	3234.1
37.5°	4840.3	4851.1	4778.1	4627.2	4347.4	3955.6	3644.6	3638.4	3671.0	3786.1	3560.6
40°	5322.3	5342.5	5261.6	5134.1	4866.7	4535.5	4145.2	4089.3	4056.6	4191.9	3983.5
42.5°	5810.5	5841.6	5813.6	5686.1	5457.5	5183.9	4795.2	4708.1	4638.1	4807.6	4586.8
45°	6416.9	6454.2	6441.8	6343.8	6166.6	5944.2	5577.3	5476.2	5443.5	5600.6	5337.8
47.5°	7000.0	7040.4	7085.5	7063.7	6937.8	6835.1	6427.8	6370.2	6360.9	6528.8	6121.5
50°	7433.8	7471.1	7643.7	7768.1	7853.6	7831.8	7478.9	7393.3	7379.3	7486.6	6948.6
52.5°	7744.7	7780.5	8018.4	8407.1	8721.2	8892.2	8536.2	8517.5	8441.3	8404.0	7723.0
55°	7985.7	8035.5	8285.8	8873.6	9506.4	9885.8	9663.4	9596.6	9400.7	9186.1	8441.3
57.5°	8033.9	8054.2	8407.1	9200.1	10115.9	10730.1	10730.1	10613.4	10235.6	9938.6	9271.6
60°	7601.7	7663.9	8141.2	9173.6	10377.1	11282.0	11614.8	11533.9	11023.9	10658.5	10070.8
62.5°	6642.3	6712.3	7293.8	8540.8	10115.9	11395.5	12284.9	12272.5	11697.2	11254.0	10733.2
65°	5093.7	5145.0	5651.9	7144.6	9011.9	10958.6	12763.8	12798.0	12228.9	11647.4	10961.7
67.5°	2559.3	2595.1	3142.4	4880.7	7143.0	9700.7	12731.2	12883.5	12390.6	11439.1	10089.5
70°	894.0	929.8	1187.9	2094.4	4347.4	7407.3	11630.3	11879.1	11440.6	9764.5	7443.1
72.5°	306.3	323.4	492.9	777.4	1691.7	4390.9	8844.0	9218.7	8433.5	6555.3	4277.4
75°	174.1	185.0	264.3	421.4	709.0	1444.5	5017.5	5247.6	4916.5	3573.1	1760.1
77.5°	118.2	127.5	164.8	239.4	391.8	464.9	2046.2	2576.4	2246.8	1166.1	449.4
80°	70.0	76.2	101.1	141.5	200.6	180.4	438.5	583.1	751.0	348.3	135.3
82.5°	32.7	37.3	65.3	93.3	101.1	76.2	129.1	157.0	211.5	171.0	56.0
85°	0.0	0.0	21.8	38.9	37.3	21.8	35.8	38.9	57.5	85.5	21.8
87.5°	0.0	0.0	0.0	0.0	0.0	1.6	3.1	4.7	9.3	17.1	9.3
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°	1735.2	1735.2	1735.2	1735.2	1735.2	1735.2	1735.2	1735.2	1735.2	1735.2	1735.2
2.5°	1741.4	1730.6	1743.0	1736.8	1743.0	1741.4	1729.0	1721.2	1721.2	1707.2	1702.6
5°	1763.2	1752.3	1755.4	1741.4	1738.3	1730.6	1715.0	1708.8	1708.8	1694.8	1690.1
7.5°	1811.4	1794.3	1791.2	1763.2	1750.8	1729.0	1701.0	1690.1	1688.6	1674.6	1669.9
10°	1887.6	1867.4	1853.4	1817.6	1781.9	1738.3	1679.2	1629.5	1601.5	1564.2	1561.1
12.5°	1980.9	1956.0	1934.2	1879.8	1820.7	1722.8	1548.6	1366.7	1254.8	1166.1	1172.4
15°	2085.1	2061.7	2027.5	1945.1	1823.8	1568.8	1205.0	925.1	788.3	715.2	712.1
17.5°	2198.6	2164.4	2108.4	1996.4	1725.9	1198.8	783.6	553.5	482.0	457.1	450.9
20°	2304.3	2262.3	2192.3	2007.3	1442.9	811.6	489.8	429.1	416.7	408.9	408.9
22.5°	2416.2	2363.4	2259.2	1923.4	1072.9	519.3	416.7	402.7	393.4	382.5	380.9
25°	2529.7	2461.3	2319.8	1704.1	702.8	408.9	390.3	374.7	357.6	340.5	335.8
27.5°	2626.2	2537.5	2366.5	1377.6	450.9	368.5	356.1	329.6	306.3	287.6	284.5
30°	2741.2	2627.7	2386.7	1007.5	354.5	325.0	306.3	278.3	250.3	231.7	225.5
32.5°	2895.1	2770.8	2355.6	656.1	314.1	286.1	256.6	223.9	195.9	175.7	172.6
35°	3134.6	2986.9	2212.6	418.3	284.5	247.2	211.5	177.3	153.9	138.4	135.3
37.5°	3426.9	3290.1	1977.8	314.1	255.0	214.6	172.6	139.9	122.8	111.9	108.8
40°	3860.7	3669.5	1687.0	275.2	225.5	181.9	141.5	115.1	102.6	93.3	90.2
42.5°	4423.6	4117.3	1352.7	250.3	197.5	152.4	115.1	94.8	84.0	77.7	76.2
45°	5081.3	4554.2	999.8	225.5	171.0	125.9	94.8	77.7	70.0	65.3	63.7
47.5°	5754.5	4936.7	690.4	199.0	146.2	104.2	79.3	66.9	60.6	54.4	52.9
50°	6472.9	5260.1	471.1	172.6	124.4	85.5	68.4	60.6	52.9	48.2	46.6
52.5°	7000.0	5379.8	328.1	149.3	105.7	73.1	60.6	54.4	48.2	42.0	40.4
55°	7486.6	5376.7	248.8	125.9	90.2	63.7	54.4	48.2	42.0	37.3	35.8
57.5°	7971.7	5334.7	195.9	107.3	77.7	57.5	48.2	42.0	38.9	32.7	31.1
60°	8285.8	5176.1	152.4	90.2	66.9	49.8	42.0	37.3	32.7	28.0	26.4
62.5°	8452.2	4955.3	116.6	71.5	54.4	43.5	37.3	32.7	28.0	23.3	21.8
65°	8226.7	4563.5	91.7	56.0	42.0	37.3	31.1	26.4	21.8	17.1	15.5
67.5°	7227.0	3848.3	71.5	45.1	32.7	28.0	26.4	21.8	15.5	12.4	10.9
70°	5107.7	2635.5	56.0	34.2	24.9	21.8	20.2	17.1	12.4	9.3	7.8
72.5°	2803.4	1329.4	40.4	24.9	18.7	17.1	15.5	14.0	10.9	7.8	7.8
75°	1079.1	365.4	29.5	17.1	12.4	12.4	10.9	10.9	9.3	6.2	6.2
77.5°	281.4	108.8	18.7	10.9	7.8	7.8	7.8	6.2	6.2	4.7	4.7
80°	90.2	35.8	10.9	7.8	6.2	4.7	4.7	3.1	4.7	3.1	3.1
82.5°	29.5	12.4	6.2	6.2	4.7	3.1	3.1	1.6	1.6	0.0	0.0
85°	10.9	6.2	4.7	3.1	3.1	3.1	1.6	0.0	0.0	0.0	0.0
87.5°	6.2	3.1	3.1	3.1	3.1	1.6	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)