

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: P635803

Luminaire Tested: GWS-SA3E-740-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635803
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16145 lumens
Efficiency: N/A
Efficacy: 101.4 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

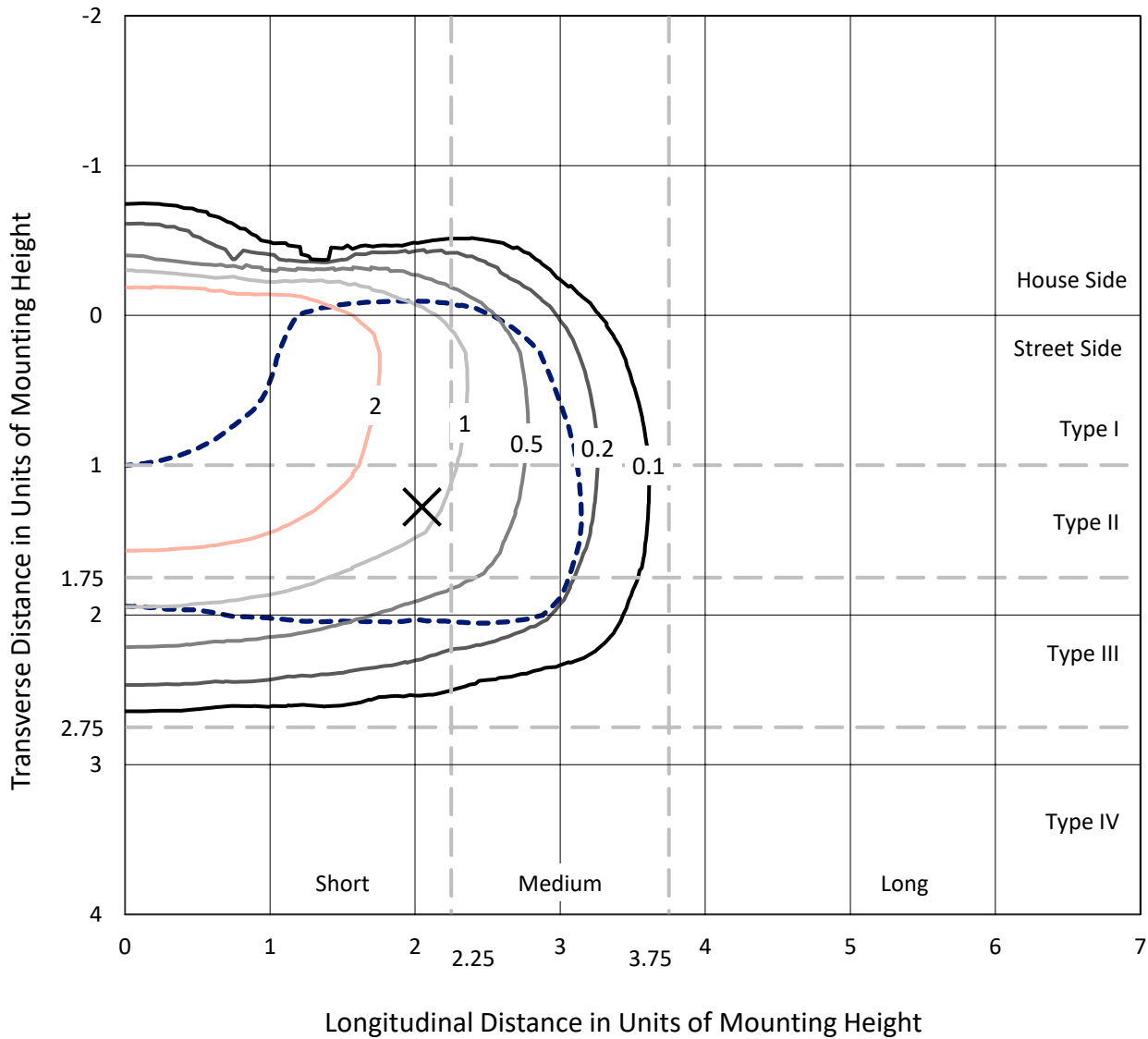
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

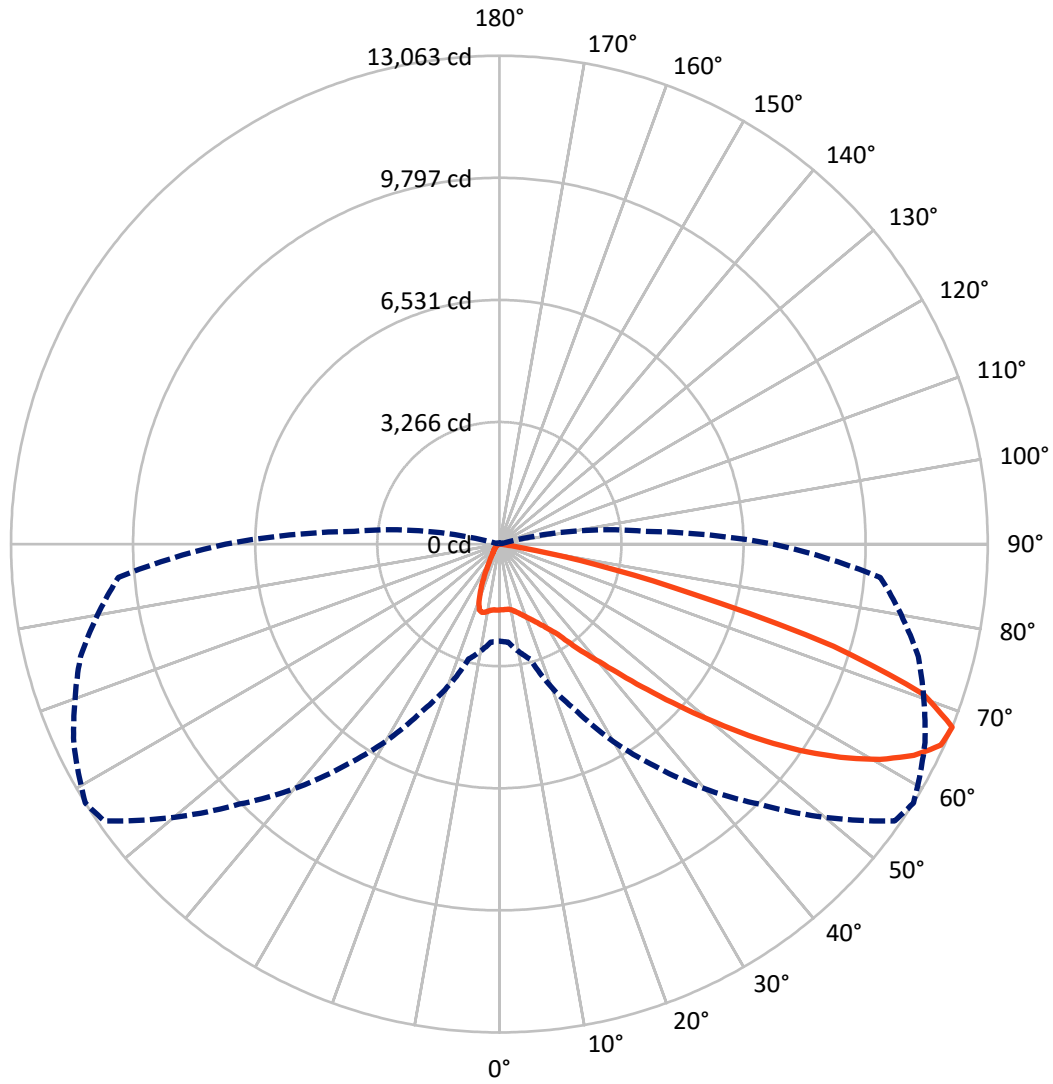
✕ Max cd
 - - - 1/2 Max cd



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	1761.4	0.0	1761.4
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	14383.6	0.0	14383.6
	% Fixture	89.1	0.0	89.1
Total	Lumens	16145.0	0.0	16145.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.3	1.0
10°-20°	464.0	2.9
20°-30°	810.0	5.0
30°-40°	1446.5	9.0
40°-50°	2643.9	16.4
50°-60°	4397.1	27.2
60°-70°	4776.0	29.6
70°-80°	1402.3	8.7
80°-90°	39.9	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°	16145.0	100.0
0°-180°	16145.0	100.0

Coefficient of Utilization



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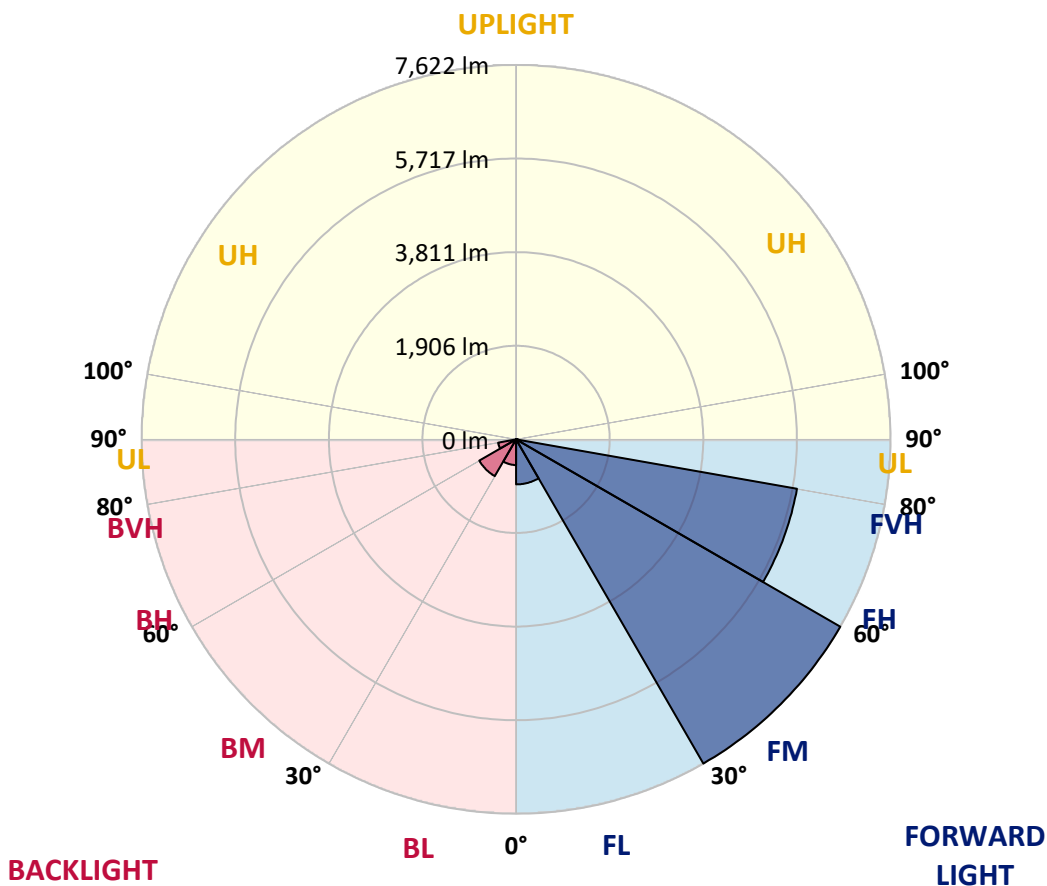
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	916.8	5.7			
FM (30°-60°)	7622.4	47.2			
FH (60°-80°)	5806.5	36.0			G3/7500
FVH (80°-90°)	38.0	0.2			G1/100
BL (0°-30°)	522.5	3.2	B2/1000		
BM (30°-60°)	865.1	5.4	B1/1000		
BH (60°-80°)	371.8	2.3	B1/500		G1/500
BVH (80°-90°)	2.0	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°	1759.3	1759.3	1759.3	1759.3	1759.3	1759.3	1759.3	1759.3	1759.3	1759.3	1759.3
2.5°	1726.2	1723.1	1723.1	1735.7	1737.3	1743.6	1757.7	1759.3	1767.2	1764.1	1753.0
5°	1636.4	1637.9	1647.4	1669.5	1688.4	1712.0	1746.7	1754.6	1771.9	1781.4	1775.1
7.5°	1552.8	1554.4	1568.6	1603.3	1639.5	1686.8	1743.6	1759.3	1794.0	1819.2	1820.8
10°	1521.3	1519.7	1533.9	1573.3	1620.6	1686.8	1768.8	1789.3	1841.3	1885.4	1893.3
12.5°	1530.7	1529.2	1543.3	1579.6	1631.6	1715.2	1812.9	1841.3	1907.5	1975.3	1989.5
15°	1568.6	1567.0	1576.5	1606.4	1663.2	1749.9	1869.7	1912.2	1995.8	2077.8	2099.8
17.5°	1682.1	1674.2	1664.7	1667.9	1701.0	1790.9	1942.2	1994.2	2098.3	2196.0	2214.9
20°	1883.9	1863.4	1838.1	1805.0	1789.3	1850.8	2025.7	2085.6	2211.8	2323.7	2326.8
22.5°	2188.1	2180.2	2121.9	2025.7	1958.0	1959.5	2123.5	2192.8	2347.3	2470.3	2453.0
25°	2612.2	2607.5	2517.6	2360.0	2183.4	2123.5	2248.0	2319.0	2508.1	2639.0	2583.8
27.5°	3138.7	3105.6	3000.0	2787.2	2523.9	2336.3	2405.7	2468.7	2678.4	2801.4	2697.3
30°	3597.5	3599.0	3499.7	3277.4	2981.1	2656.3	2598.0	2653.2	2834.5	2963.7	2837.6
32.5°	4038.9	4053.1	3944.3	3744.1	3419.3	3074.1	2873.9	2883.3	3034.7	3175.0	3022.1
35°	4448.8	4459.8	4384.1	4213.9	3911.2	3510.8	3258.5	3253.8	3335.8	3479.2	3279.0
37.5°	4907.5	4918.5	4844.4	4691.5	4407.8	4010.5	3695.2	3688.9	3722.0	3838.7	3610.1
40°	5396.2	5416.7	5334.7	5205.5	4934.3	4598.5	4202.8	4146.1	4113.0	4250.1	4038.9
42.5°	5891.2	5922.7	5894.4	5765.1	5533.4	5255.9	4861.8	4773.5	4702.6	4874.4	4650.5
45°	6506.0	6543.9	6531.2	6431.9	6252.2	6026.8	5654.7	5552.3	5519.2	5678.4	5412.0
47.5°	7097.2	7138.2	7183.9	7161.8	7034.1	6930.1	6517.1	6458.7	6449.3	6619.5	6206.5
50°	7537.0	7574.9	7749.8	7876.0	7962.7	7940.6	7582.7	7496.0	7481.9	7590.6	7045.2
52.5°	7852.3	7888.6	8129.8	8523.9	8842.3	9015.7	8654.7	8635.8	8558.6	8520.7	7830.2
55°	8096.7	8147.1	8400.9	8996.8	9638.4	10023.1	9797.7	9729.9	9531.2	9313.7	8558.6
57.5°	8145.5	8166.0	8523.9	9327.9	10256.4	10879.1	10879.1	10760.9	10377.8	10076.7	9400.4
60°	7707.3	7770.3	8254.3	9301.1	10521.3	11438.8	11776.1	11694.1	11177.1	10806.6	10210.7
62.5°	6734.6	6805.6	7395.1	8659.5	10256.4	11553.8	12455.6	12443.0	11859.7	11410.4	10882.3
65°	5164.5	5216.5	5730.4	7243.8	9137.1	11110.8	12941.1	12975.8	12398.8	11809.2	11114.0
67.5°	2594.8	2631.1	3186.0	4948.5	7242.2	9835.5	12908.0	13062.5	12562.8	11598.0	10229.6
70°	906.5	942.7	1204.4	2123.5	4407.8	7510.2	11791.9	12044.1	11599.5	9900.1	7546.5
72.5°	310.6	327.9	499.7	788.2	1715.2	4451.9	8966.9	9346.8	8550.7	6646.3	4336.8
75°	176.6	187.6	268.0	427.2	718.9	1464.5	5087.2	5320.5	4984.7	3622.7	1784.5
77.5°	119.8	129.3	167.1	242.8	397.3	471.4	2074.6	2612.2	2278.0	1182.3	455.6
80°	70.9	77.2	102.5	143.5	203.4	182.9	444.6	591.2	761.4	353.1	137.2
82.5°	33.1	37.8	66.2	94.6	102.5	77.2	130.8	159.2	214.4	173.4	56.8
85°	0.0	0.0	22.1	39.4	37.8	22.1	36.3	39.4	58.3	86.7	22.1
87.5°	0.0	0.0	0.0	0.0	0.0	1.6	3.2	4.7	9.5	17.3	9.5
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°	1759.3	1759.3	1759.3	1759.3	1759.3	1759.3	1759.3	1759.3	1759.3	1759.3	1759.3
2.5°	1765.6	1754.6	1767.2	1760.9	1767.2	1765.6	1753.0	1745.1	1745.1	1730.9	1726.2
5°	1787.7	1776.7	1779.8	1765.6	1762.5	1754.6	1738.8	1732.5	1732.5	1718.3	1713.6
7.5°	1836.6	1819.2	1816.1	1787.7	1775.1	1753.0	1724.6	1713.6	1712.0	1697.8	1693.1
10°	1913.8	1893.3	1879.1	1842.9	1806.6	1762.5	1702.6	1652.1	1623.7	1585.9	1582.8
12.5°	2008.4	1983.2	1961.1	1905.9	1846.0	1746.7	1570.1	1385.7	1272.2	1182.3	1188.6
15°	2114.0	2090.4	2055.7	1972.1	1849.2	1590.6	1221.8	938.0	799.3	725.2	722.0
17.5°	2229.1	2194.4	2137.7	2024.2	1749.9	1215.4	794.5	561.2	488.7	463.5	457.2
20°	2336.3	2293.7	2222.8	2035.2	1462.9	822.9	496.6	435.1	422.5	414.6	414.6
22.5°	2449.8	2396.2	2290.6	1950.1	1087.8	526.5	422.5	408.3	398.8	387.8	386.2
25°	2564.9	2495.5	2352.1	1727.8	712.6	414.6	395.7	379.9	362.6	345.2	340.5
27.5°	2662.6	2572.8	2399.4	1396.7	457.2	373.6	361.0	334.2	310.6	291.6	288.5
30°	2779.3	2664.2	2419.9	1021.5	359.4	329.5	310.6	282.2	253.8	234.9	228.6
32.5°	2935.4	2809.2	2388.3	665.3	318.4	290.1	260.1	227.0	198.6	178.1	175.0
35°	3178.1	3028.4	2243.3	424.1	288.5	250.7	214.4	179.7	156.1	140.3	137.2
37.5°	3474.5	3335.8	2005.2	318.4	258.5	217.6	175.0	141.9	124.5	113.5	110.4
40°	3914.3	3720.4	1710.5	279.0	228.6	184.4	143.5	116.7	104.0	94.6	91.4
42.5°	4485.0	4174.5	1371.5	253.8	200.2	154.5	116.7	96.2	85.1	78.8	77.2
45°	5151.9	4617.4	1013.7	228.6	173.4	127.7	96.2	78.8	70.9	66.2	64.6
47.5°	5834.5	5005.2	699.9	201.8	148.2	105.6	80.4	67.8	61.5	55.2	53.6
50°	6562.8	5333.1	477.7	175.0	126.1	86.7	69.4	61.5	53.6	48.9	47.3
52.5°	7097.2	5454.5	332.6	151.3	107.2	74.1	61.5	55.2	48.9	42.6	41.0
55°	7590.6	5451.4	252.2	127.7	91.4	64.6	55.2	48.9	42.6	37.8	36.3
57.5°	8082.5	5408.8	198.6	108.8	78.8	58.3	48.9	42.6	39.4	33.1	31.5
60°	8400.9	5248.0	154.5	91.4	67.8	50.4	42.6	37.8	33.1	28.4	26.8
62.5°	8569.6	5024.2	118.2	72.5	55.2	44.1	37.8	33.1	28.4	23.6	22.1
65°	8341.0	4626.9	93.0	56.8	42.6	37.8	31.5	26.8	22.1	17.3	15.8
67.5°	7327.4	3901.7	72.5	45.7	33.1	28.4	26.8	22.1	15.8	12.6	11.0
70°	5178.7	2672.1	56.8	34.7	25.2	22.1	20.5	17.3	12.6	9.5	7.9
72.5°	2842.3	1347.9	41.0	25.2	18.9	17.3	15.8	14.2	11.0	7.9	7.9
75°	1094.1	370.5	30.0	17.3	12.6	12.6	11.0	11.0	9.5	6.3	6.3
77.5°	285.3	110.4	18.9	11.0	7.9	7.9	7.9	6.3	6.3	4.7	4.7
80°	91.4	36.3	11.0	7.9	6.3	4.7	4.7	3.2	4.7	3.2	3.2
82.5°	30.0	12.6	6.3	6.3	4.7	3.2	3.2	1.6	1.6	0.0	0.0
85°	11.0	6.3	4.7	3.2	3.2	3.2	1.6	0.0	0.0	0.0	0.0
87.5°	6.3	3.2	3.2	3.2	3.2	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)