

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: P637343

Luminaire Tested: GWS-SA4C-750-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637343
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-SA4C-750-U-T3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: (64) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14577.6 lumens
Efficiency: N/A
Efficacy: 113.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G3

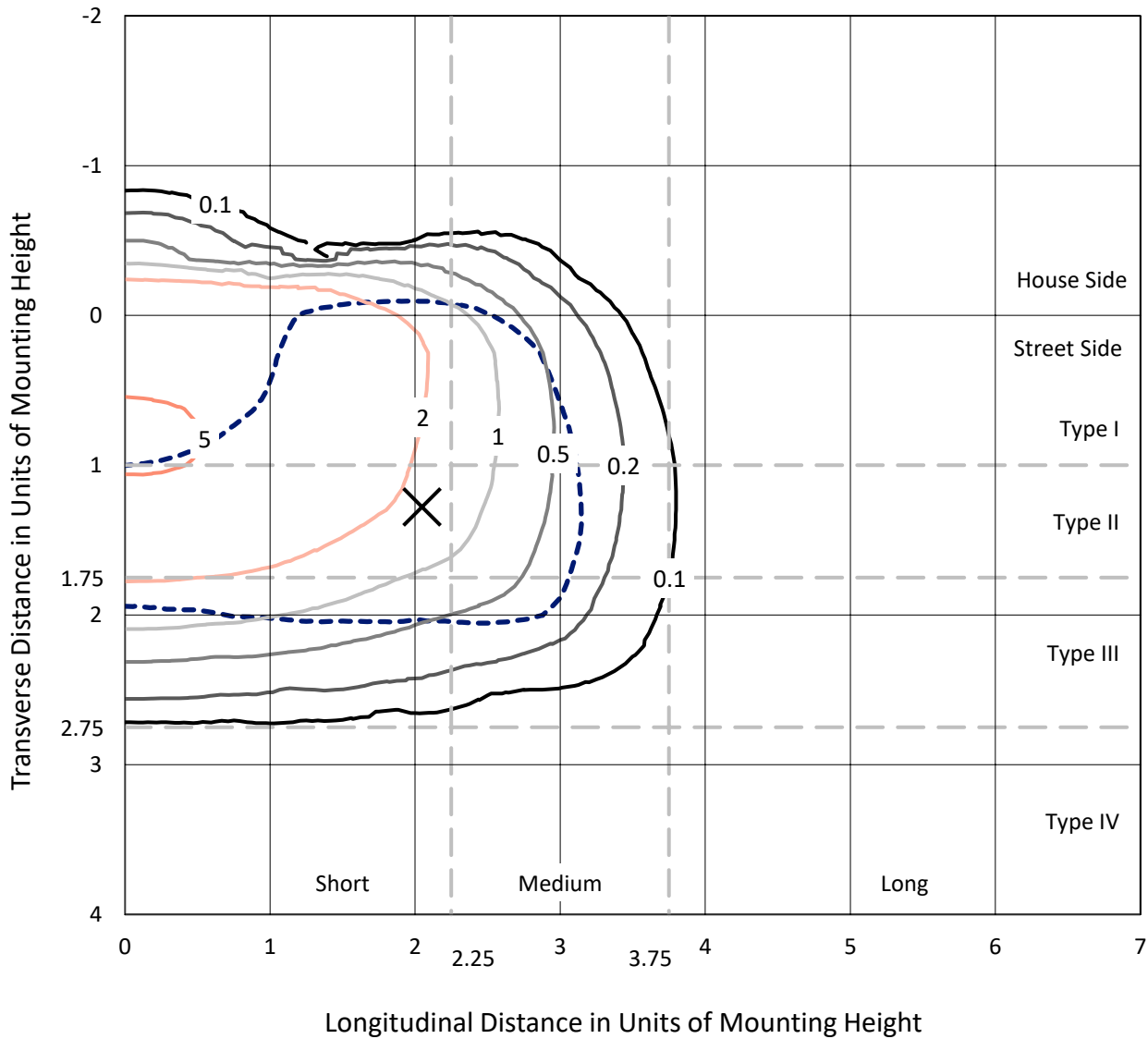
Input Watts (W): 128.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

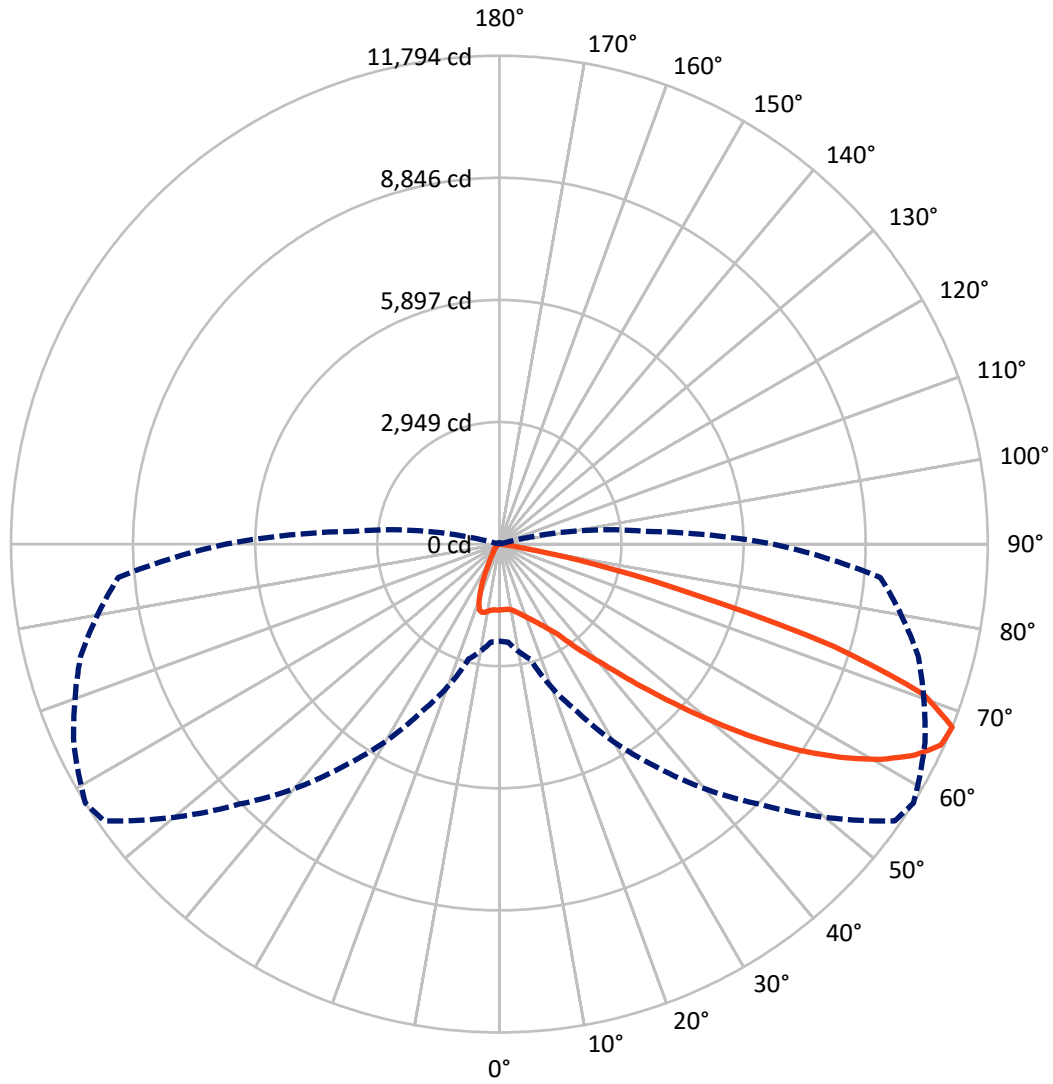
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.5 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	1590.4	0.0	1590.4
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	12987.2	0.0	12987.2
	% Fixture	89.1	0.0	89.1
Total	Lumens	14577.6	0.0	14577.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.2	1.0
10°-20°	419.0	2.9
20°-30°	731.3	5.0
30°-40°	1306.1	9.0
40°-50°	2387.2	16.4
50°-60°	3970.2	27.2
60°-70°	4312.3	29.6
70°-80°	1266.1	8.7
80°-90°	36.0	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°	14577.6	100.0
0°-180°	14577.6	100.0

Coefficient of Utilization



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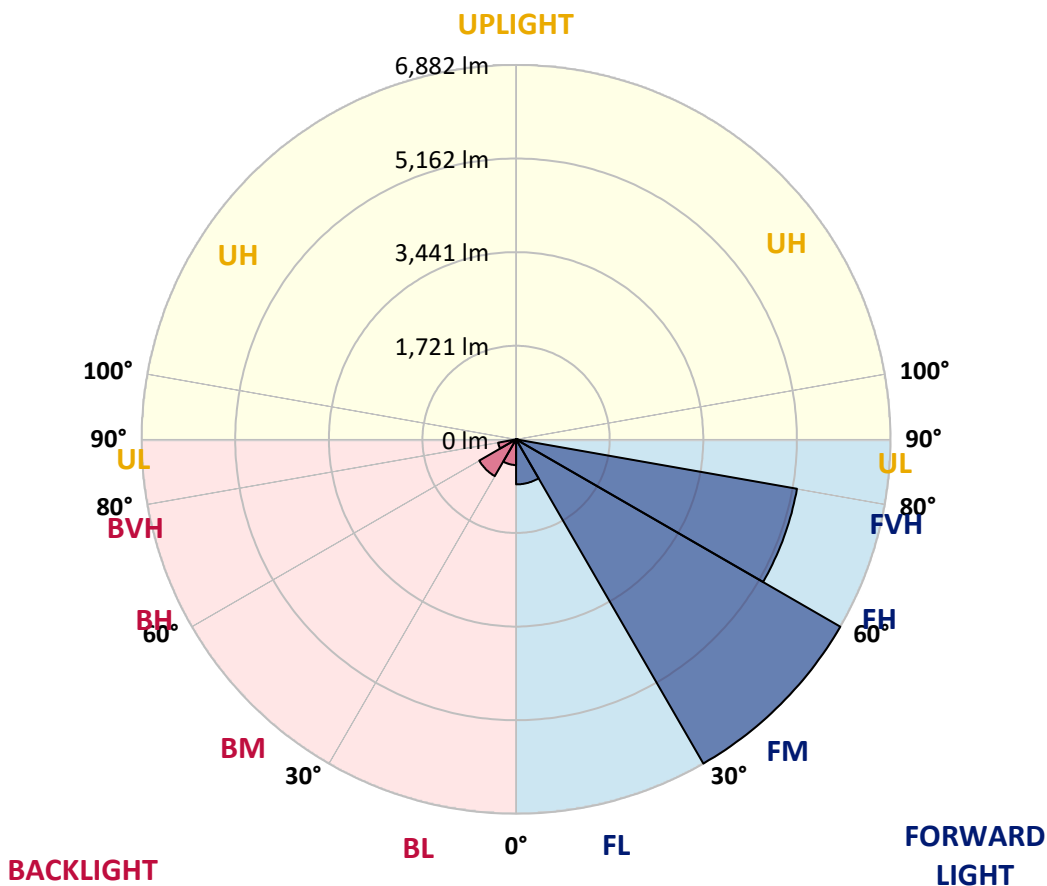
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	827.8	5.7			
FM (30°-60°)	6882.4	47.2			
FH (60°-80°)	5242.8	36.0			G3/7500
FVH (80°-90°)	34.3	0.2			G1/100
BL (0°-30°)	471.7	3.2	B1/500		
BM (30°-60°)	781.1	5.4	B1/1000		
BH (60°-80°)	335.7	2.3	B1/500		G1/500
BVH (80°-90°)	1.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1588.5	1588.5	1588.5	1588.5	1588.5	1588.5	1588.5	1588.5	1588.5	1588.5	1588.5
2.5°	1558.6	1555.8	1555.8	1567.2	1568.6	1574.3	1587.1	1588.5	1595.6	1592.8	1582.8
5°	1477.5	1478.9	1487.5	1507.4	1524.5	1545.8	1577.1	1584.3	1599.9	1608.5	1602.8
7.5°	1402.1	1403.5	1416.3	1447.6	1480.3	1523.0	1574.3	1588.5	1619.8	1642.6	1644.0
10°	1373.6	1372.2	1385.0	1420.6	1463.3	1523.0	1597.1	1615.6	1662.5	1702.4	1709.5
12.5°	1382.1	1380.7	1393.5	1426.3	1473.2	1548.7	1636.9	1662.5	1722.3	1783.5	1796.3
15°	1416.3	1414.9	1423.4	1450.5	1501.7	1580.0	1688.2	1726.6	1802.0	1876.1	1896.0
17.5°	1518.8	1511.7	1503.1	1506.0	1535.9	1617.0	1753.6	1800.6	1894.6	1982.8	1999.9
20°	1701.0	1682.5	1659.7	1629.8	1615.6	1671.1	1829.1	1883.2	1997.0	2098.1	2100.9
22.5°	1975.7	1968.6	1915.9	1829.1	1767.9	1769.3	1917.3	1980.0	2119.5	2230.5	2214.8
25°	2358.6	2354.3	2273.2	2130.8	1971.4	1917.3	2029.8	2093.8	2264.6	2382.8	2333.0
27.5°	2834.0	2804.1	2708.7	2516.6	2278.9	2109.5	2172.1	2229.1	2418.4	2529.4	2435.5
30°	3248.2	3249.6	3160.0	2959.3	2691.7	2398.4	2345.8	2395.6	2559.3	2676.0	2562.1
32.5°	3646.8	3659.6	3561.4	3380.6	3087.4	2775.6	2594.9	2603.4	2740.1	2866.7	2728.7
35°	4016.9	4026.8	3958.5	3804.8	3531.5	3169.9	2942.2	2937.9	3011.9	3141.5	2960.7
37.5°	4431.1	4441.0	4374.1	4236.1	3979.8	3621.1	3336.5	3330.8	3360.7	3466.0	3259.6
40°	4872.3	4890.8	4816.8	4700.1	4455.3	4152.1	3794.8	3743.6	3713.7	3837.5	3646.8
42.5°	5319.3	5347.7	5322.1	5205.4	4996.2	4745.6	4389.8	4310.1	4246.0	4401.2	4199.1
45°	5874.4	5908.6	5897.2	5807.5	5645.2	5441.7	5105.8	5013.2	4983.3	5127.1	4886.6
47.5°	6408.2	6445.2	6486.5	6466.5	6351.2	6257.3	5884.4	5831.7	5823.2	5976.9	5604.0
50°	6805.3	6839.5	6997.5	7111.3	7189.6	7169.7	6846.6	6768.3	6755.5	6853.7	6361.2
52.5°	7090.0	7122.7	7340.5	7696.4	7983.9	8140.5	7814.5	7797.4	7727.7	7693.5	7070.1
55°	7310.6	7356.2	7585.3	8123.4	8702.7	9050.0	8846.5	8785.3	8605.9	8409.5	7727.7
57.5°	7354.7	7373.3	7696.4	8422.3	9260.7	9822.9	9822.9	9716.2	9370.3	9098.4	8487.8
60°	6959.0	7016.0	7453.0	8398.1	9499.8	10328.2	10632.9	10558.8	10092.0	9757.5	9219.4
62.5°	6080.8	6144.9	6677.2	7818.8	9260.7	10432.2	11246.3	11235.0	10708.3	10302.6	9825.8
65°	4663.1	4710.1	5174.1	6540.6	8250.1	10032.2	11684.8	11716.1	11195.1	10662.7	10035.0
67.5°	2342.9	2375.7	2876.7	4468.1	6539.1	8880.6	11654.9	11794.4	11343.1	10472.0	9236.5
70°	818.5	851.2	1087.5	1917.3	3979.8	6781.1	10647.1	10874.8	10473.4	8939.0	6813.9
72.5°	280.4	296.1	451.2	711.7	1548.7	4019.7	8096.3	8439.4	7720.6	6001.1	3915.8
75°	159.4	169.4	242.0	385.7	649.1	1322.3	4593.3	4804.0	4500.8	3271.0	1611.3
77.5°	108.2	116.7	150.9	219.2	358.7	425.6	1873.2	2358.6	2056.8	1067.6	411.4
80°	64.1	69.7	92.5	129.5	183.6	165.1	401.4	533.8	687.5	318.8	123.8
82.5°	29.9	34.2	59.8	85.4	92.5	69.7	118.1	143.8	193.6	156.6	51.2
85°	0.0	0.0	19.9	35.6	34.2	19.9	32.7	35.6	52.7	78.3	19.9
87.5°	0.0	0.0	0.0	0.0	0.0	1.4	2.8	4.3	8.5	15.7	8.5
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°	1588.5	1588.5	1588.5	1588.5	1588.5	1588.5	1588.5	1588.5	1588.5	1588.5	1588.5
2.5°	1594.2	1584.3	1595.6	1589.9	1595.6	1594.2	1582.8	1575.7	1575.7	1562.9	1558.6
5°	1614.1	1604.2	1607.0	1594.2	1591.4	1584.3	1570.0	1564.3	1564.3	1551.5	1547.2
7.5°	1658.3	1642.6	1639.8	1614.1	1602.8	1582.8	1557.2	1547.2	1545.8	1533.0	1528.7
10°	1728.0	1709.5	1696.7	1664.0	1631.2	1591.4	1537.3	1491.7	1466.1	1431.9	1429.1
12.5°	1813.4	1790.6	1770.7	1720.9	1666.8	1577.1	1417.7	1251.2	1148.7	1067.6	1073.2
15°	1908.8	1887.4	1856.1	1780.7	1669.7	1436.2	1103.1	846.9	721.7	654.8	651.9
17.5°	2012.7	1981.4	1930.1	1827.7	1580.0	1097.4	717.4	506.7	441.3	418.5	412.8
20°	2109.5	2071.1	2007.0	1837.6	1320.9	743.0	448.4	392.9	381.5	374.4	374.4
22.5°	2212.0	2163.6	2068.2	1760.8	982.2	475.4	381.5	368.7	360.1	350.2	348.7
25°	2315.9	2253.3	2123.7	1560.1	643.4	374.4	357.3	343.0	327.4	311.7	307.5
27.5°	2404.1	2323.0	2166.4	1261.1	412.8	337.3	326.0	301.8	280.4	263.3	260.5
30°	2509.5	2405.6	2184.9	922.4	324.5	297.5	280.4	254.8	229.2	212.1	206.4
32.5°	2650.4	2536.5	2156.5	600.7	287.5	261.9	234.9	205.0	179.3	160.8	158.0
35°	2869.6	2734.4	2025.5	382.9	260.5	226.3	193.6	162.3	140.9	126.7	123.8
37.5°	3137.2	3011.9	1810.6	287.5	233.4	196.4	158.0	128.1	112.4	102.5	99.6
40°	3534.3	3359.2	1544.4	251.9	206.4	166.5	129.5	105.3	93.9	85.4	82.6
42.5°	4049.6	3769.2	1238.4	229.2	180.8	139.5	105.3	86.8	76.9	71.2	69.7
45°	4651.7	4169.2	915.3	206.4	156.6	115.3	86.8	71.2	64.1	59.8	58.4
47.5°	5268.0	4519.3	632.0	182.2	133.8	95.4	72.6	61.2	55.5	49.8	48.4
50°	5925.6	4815.4	431.3	158.0	113.9	78.3	62.6	55.5	48.4	44.1	42.7
52.5°	6408.2	4925.0	300.3	136.6	96.8	66.9	55.5	49.8	44.1	38.4	37.0
55°	6853.7	4922.1	227.7	115.3	82.6	58.4	49.8	44.1	38.4	34.2	32.7
57.5°	7297.8	4883.7	179.3	98.2	71.2	52.7	44.1	38.4	35.6	29.9	28.5
60°	7585.3	4738.5	139.5	82.6	61.2	45.5	38.4	34.2	29.9	25.6	24.2
62.5°	7737.6	4536.4	106.8	65.5	49.8	39.9	34.2	29.9	25.6	21.4	19.9
65°	7531.2	4177.7	84.0	51.2	38.4	34.2	28.5	24.2	19.9	15.7	14.2
67.5°	6616.0	3522.9	65.5	41.3	29.9	25.6	24.2	19.9	14.2	11.4	10.0
70°	4675.9	2412.7	51.2	31.3	22.8	19.9	18.5	15.7	11.4	8.5	7.1
72.5°	2566.4	1217.0	37.0	22.8	17.1	15.7	14.2	12.8	10.0	7.1	7.1
75°	987.8	334.5	27.0	15.7	11.4	11.4	10.0	10.0	8.5	5.7	5.7
77.5°	257.6	99.6	17.1	10.0	7.1	7.1	7.1	5.7	5.7	4.3	4.3
80°	82.6	32.7	10.0	7.1	5.7	4.3	4.3	2.8	4.3	2.8	2.8
82.5°	27.0	11.4	5.7	5.7	4.3	2.8	2.8	1.4	1.4	0.0	0.0
85°	10.0	5.7	4.3	2.8	2.8	2.8	1.4	0.0	0.0	0.0	0.0
87.5°	5.7	2.8	2.8	2.8	2.8	1.4	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)