

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: P632696

Luminaire Tested: GWS-SA2D-730-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632696
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2D-730-U-SL2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8428.5 lumens
Efficiency: N/A
Efficacy: 102.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

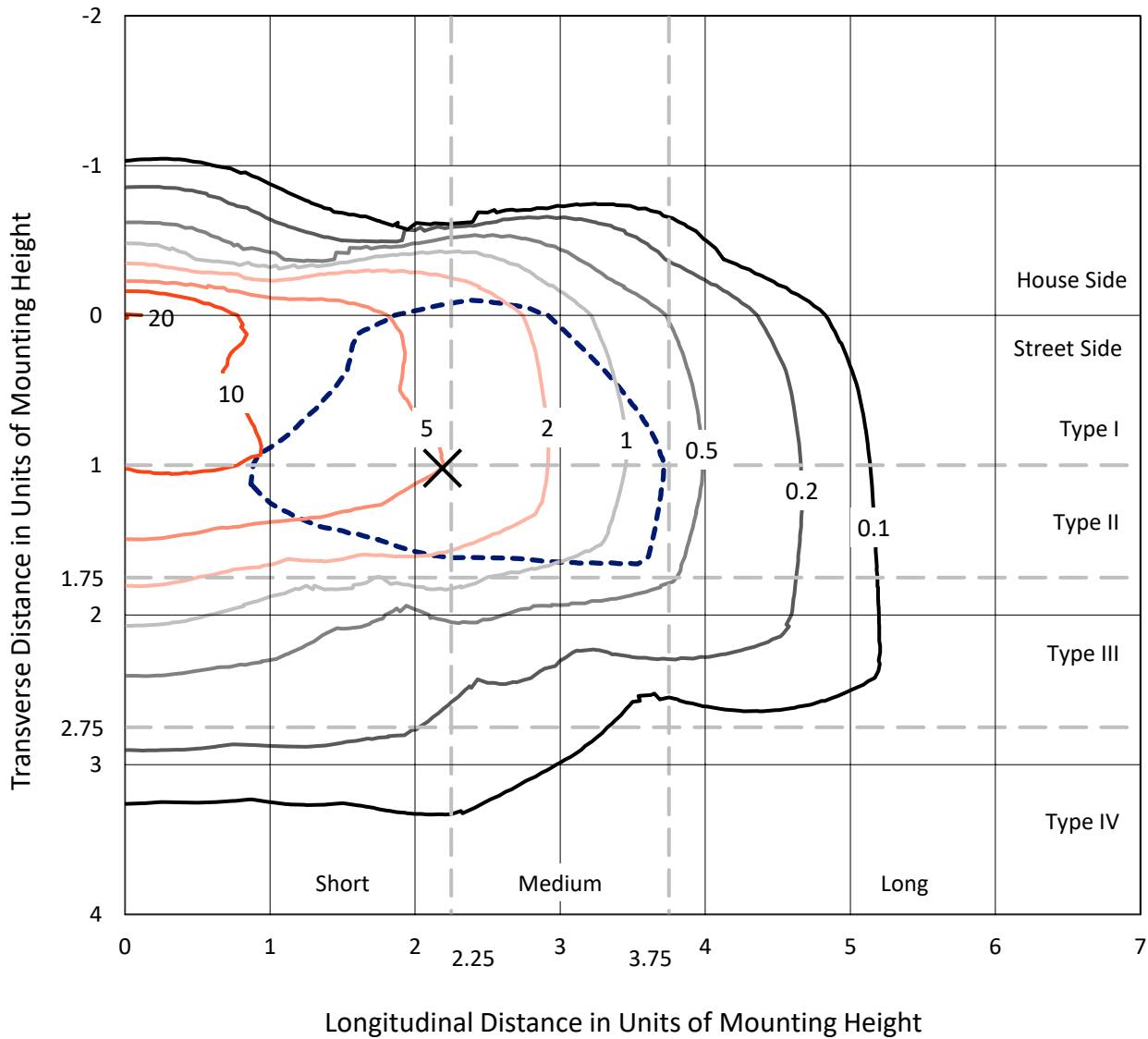
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P632696
 CATALOG NUMBER: GWS-SA2D-730-U-SL2-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

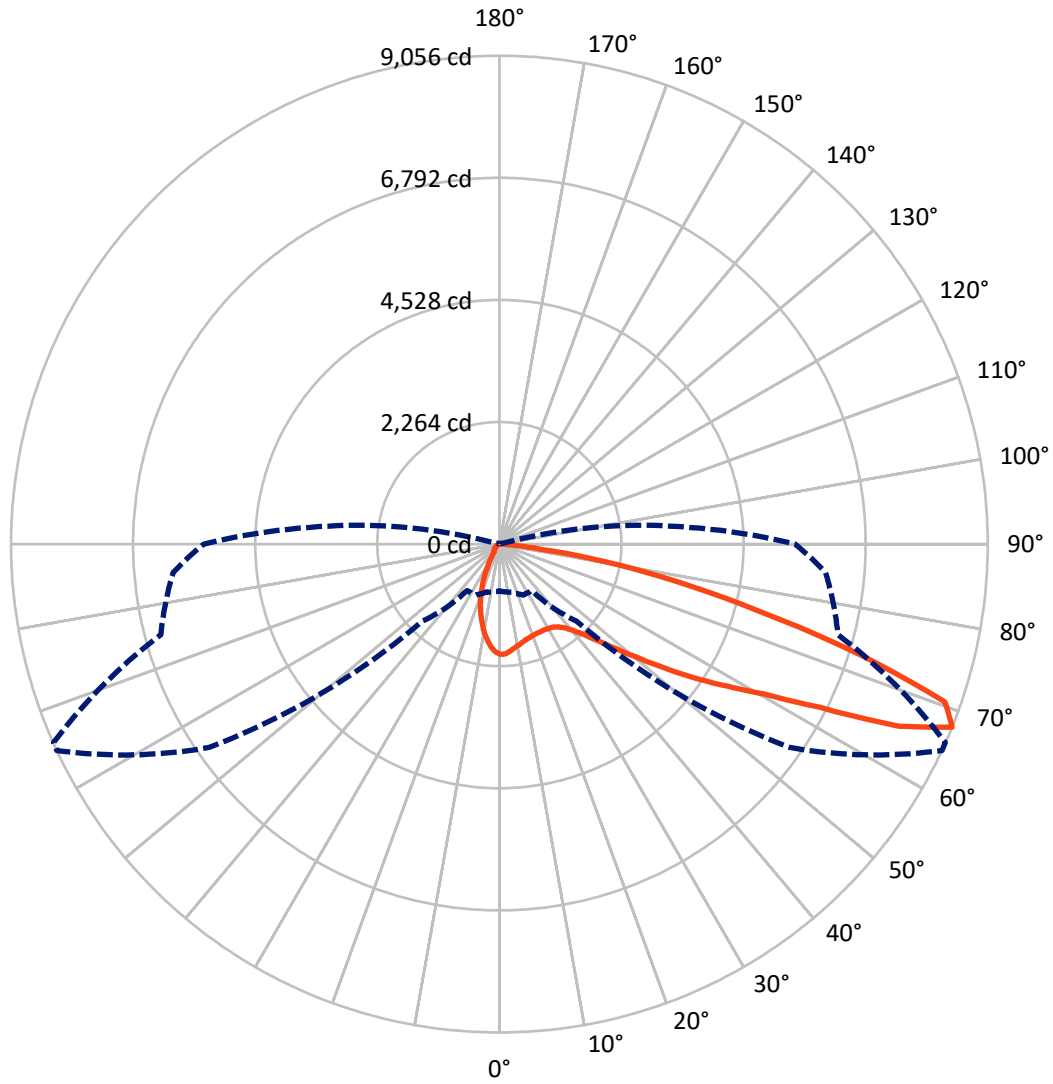
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 20.4 fc
 Type II - Short - N/A

REPORT NUMBER: P632696
CATALOG NUMBER: GWS-SA2D-730-U-SL2-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1052.5	0.0	1052.5
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	7376.0	0.0	7376.0
	% Fixture	87.5	0.0	87.5
Total	Lumens	8428.5	0.0	8428.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.8	2.0
10°-20°	381.7	4.5
20°-30°	545.4	6.5
30°-40°	793.4	9.4
40°-50°	1242.7	14.7
50°-60°	1938.6	23.0
60°-70°	2129.4	25.3
70°-80°	1133.3	13.4
80°-90°	94.3	1.1
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°	8428.5	100.0
0°-180°	8428.5	100.0

Coefficient of Utilization



REPORT NUMBER: P632696

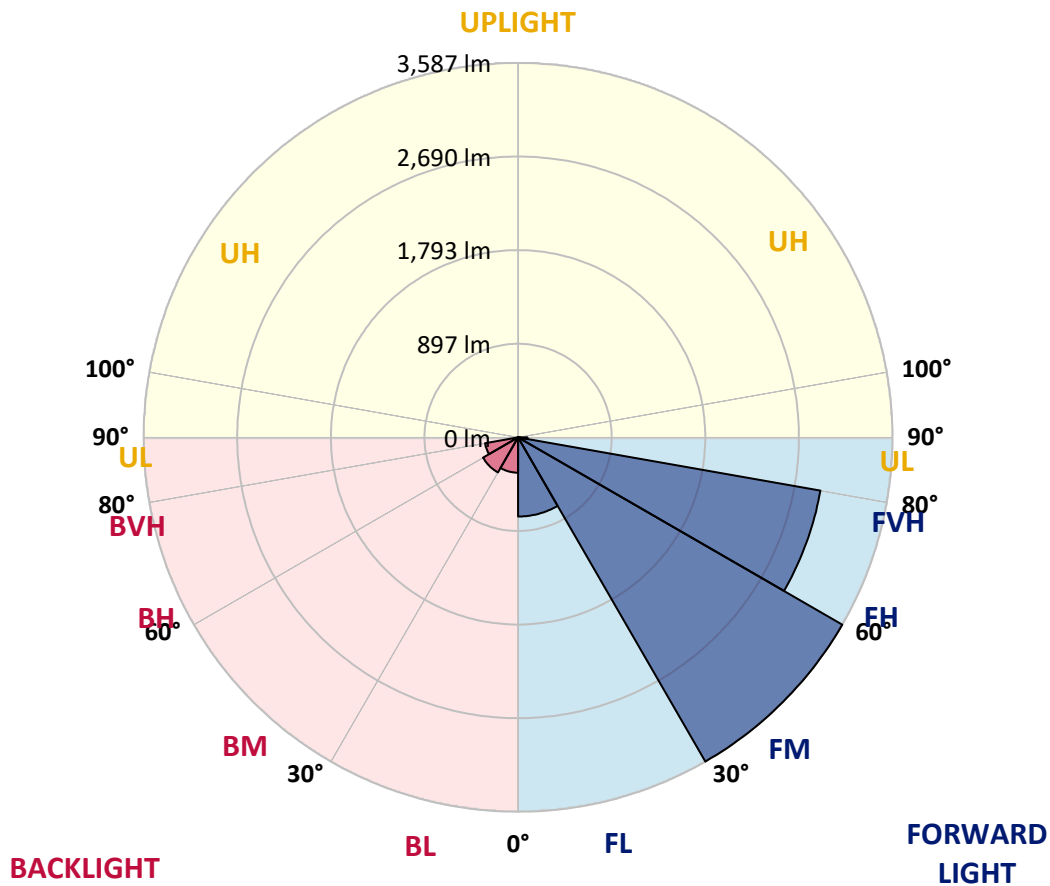
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	758.5	9.0			
FM (30°-60°)	3587.0	42.6			
FH (60°-80°)	2941.2	34.9			G2/5000
FVH (80°-90°)	89.3	1.1			G1/100
BL (0°-30°)	338.3	4.0	B1/500		
BM (30°-60°)	387.7	4.6	B1/1000		
BH (60°-80°)	321.5	3.8	B1/500		G1/500
BVH (80°-90°)	5.0	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 II Short





REPORT NUMBER: P632696

CATALOG NUMBER: GWS-SA2D-730-U-SL2-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	2044.2	2044.2	2044.2	2044.2	2044.2	2044.2	2044.2	2044.2	2044.2	2044.2	2044.2
2.5°	1973.3	1979.4	1971.0	1991.6	1995.4	2018.3	2031.2	2040.4	2039.6	2051.0	2051.0
5°	1857.4	1863.5	1859.0	1881.1	1898.6	1934.4	1964.1	1998.4	2000.0	2035.0	2048.0
7.5°	1759.1	1759.9	1759.9	1787.3	1810.2	1854.4	1898.6	1951.2	1957.3	2011.4	2045.7
10°	1678.3	1680.6	1681.4	1712.6	1737.8	1791.1	1847.5	1910.8	1917.7	1990.8	2044.2
12.5°	1622.7	1623.5	1626.5	1659.3	1686.7	1742.4	1799.5	1871.9	1881.1	1967.2	2037.3
15°	1596.0	1594.5	1596.0	1623.5	1650.9	1704.2	1762.9	1840.7	1850.6	1947.4	2038.1
17.5°	1594.5	1592.2	1590.7	1611.3	1628.8	1676.0	1735.5	1820.1	1830.8	1938.2	2046.5
20°	1616.6	1615.1	1607.4	1616.6	1620.4	1659.3	1718.0	1804.1	1814.8	1936.7	2064.8
22.5°	1674.5	1670.7	1659.3	1650.9	1630.3	1653.2	1705.8	1792.7	1804.9	1940.5	2088.4
25°	1760.6	1759.1	1744.6	1724.1	1671.5	1662.3	1706.5	1792.7	1804.1	1945.1	2113.5
27.5°	1890.2	1881.1	1862.8	1827.0	1751.5	1698.1	1721.8	1797.2	1808.7	1951.2	2134.1
30°	2022.1	2021.3	2015.2	1978.6	1866.6	1766.7	1753.8	1809.4	1820.1	1956.5	2153.2
32.5°	2158.5	2160.8	2176.0	2147.8	2025.1	1868.9	1811.7	1834.6	1842.2	1967.2	2169.9
35°	2288.1	2292.6	2333.0	2343.0	2218.0	2023.6	1906.2	1884.9	1885.6	1990.8	2192.0
37.5°	2412.3	2427.6	2492.3	2540.4	2458.0	2211.1	2042.7	1970.2	1964.1	2038.1	2225.6
40°	2553.3	2582.3	2663.8	2745.4	2719.5	2458.8	2228.6	2101.3	2088.4	2125.0	2285.8
42.5°	2709.6	2740.8	2849.0	2963.4	2975.6	2758.3	2461.1	2292.6	2270.5	2271.3	2398.6
45°	2877.2	2919.2	3044.9	3209.6	3283.5	3092.2	2747.7	2551.0	2528.9	2496.2	2580.0
47.5°	3097.5	3134.1	3255.3	3445.1	3586.8	3450.4	3123.4	2883.3	2842.9	2794.9	2862.0
50°	3287.3	3319.3	3423.7	3661.5	3956.5	3912.3	3549.5	3298.7	3259.9	3178.3	3233.9
52.5°	3329.2	3354.4	3450.4	3717.9	4239.3	4495.4	4071.6	3801.0	3773.6	3622.7	3644.0
55°	3141.0	3179.1	3265.2	3562.4	4313.2	5065.5	4749.2	4367.3	4310.1	4069.3	4107.4
57.5°	2665.4	2733.2	2814.0	3200.4	4112.7	5368.8	5695.8	4967.2	4915.3	4499.2	4499.9
60°	1953.5	2008.4	2062.5	2416.1	3637.1	5348.2	6554.8	5640.9	5546.4	4850.5	4837.6
62.5°	1420.7	1448.9	1448.1	1573.9	2497.7	4996.1	7006.0	6656.2	6435.9	5226.3	5152.4
65°	1117.4	1116.6	1149.4	1190.5	1394.8	3856.6	7061.6	8138.6	7900.8	5730.1	5576.1
67.5°	869.7	886.4	919.2	1040.4	1048.0	2018.3	6572.3	9055.5	9050.9	6499.1	6072.3
70°	670.7	693.6	740.1	916.9	968.0	1129.6	4917.6	8765.1	8839.0	6842.9	5721.0
72.5°	430.6	429.1	497.7	740.8	929.9	941.3	2719.5	6962.5	7046.4	6198.1	4625.7
75°	240.9	242.4	281.2	453.5	866.6	885.7	1346.8	4964.9	5031.2	4832.2	3554.1
77.5°	94.5	97.6	131.9	238.6	571.6	791.1	800.3	3385.6	3395.5	2994.6	2179.8
80°	38.1	40.4	67.1	147.9	348.3	532.8	571.6	1994.6	1954.2	1159.3	634.1
82.5°	11.4	12.2	26.7	83.8	182.2	378.8	385.7	765.2	722.6	249.2	161.6
85°	0.8	0.8	6.1	25.9	64.8	95.3	256.9	249.2	221.0	62.5	71.6
87.5°	0.0	0.0	0.8	0.8	1.5	3.0	27.4	45.7	46.5	11.4	32.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P632696

CATALOG NUMBER: GWS-SA2D-730-U-SL2-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2044.2	2044.2	2044.2	2044.2	2044.2	2044.2	2044.2	2044.2	2044.2	2044.2	2044.2
2.5°	2051.0	2023.6	2021.3	2000.0	1978.6	1952.0	1920.7	1897.8	1881.8	1853.6	1848.3
5°	2048.0	2011.4	1977.1	1916.1	1848.3	1775.1	1711.1	1651.7	1614.3	1589.2	1578.5
7.5°	2041.9	1995.4	1916.1	1801.0	1687.5	1559.4	1459.6	1368.1	1305.6	1269.0	1253.0
10°	2037.3	1974.8	1846.0	1671.5	1495.4	1318.6	1166.9	1031.2	955.8	896.3	886.4
12.5°	2028.2	1945.1	1756.1	1519.8	1292.7	1057.9	864.3	698.2	583.1	531.2	512.9
15°	2019.0	1913.8	1666.1	1359.7	1071.6	782.0	547.2	387.2	307.9	283.5	282.0
17.5°	2017.5	1885.6	1568.6	1208.1	839.9	512.2	311.7	250.8	234.0	227.9	227.9
20°	2022.1	1862.0	1472.5	1033.5	612.0	311.7	232.5	217.2	207.3	202.0	202.0
22.5°	2026.6	1837.6	1380.3	857.5	406.2	227.9	205.0	192.1	180.6	174.5	171.5
25°	2029.7	1810.9	1278.2	680.6	265.2	198.2	179.9	163.1	149.4	141.8	141.8
27.5°	2028.9	1778.9	1175.3	507.6	205.8	176.1	154.0	136.4	122.7	114.3	115.1
30°	2022.8	1743.9	1068.6	354.4	179.9	154.0	131.9	113.6	99.8	93.0	92.2
32.5°	2018.3	1706.5	945.1	249.2	161.6	134.9	112.0	94.5	83.1	77.7	77.0
35°	2012.9	1669.9	827.7	189.8	145.6	116.6	94.5	80.0	70.9	66.3	66.3
37.5°	2014.5	1631.8	700.4	163.1	129.6	101.4	80.8	68.6	61.0	56.4	55.6
40°	2038.1	1609.0	575.4	147.9	115.1	87.7	70.1	59.5	51.8	47.3	46.5
42.5°	2096.8	1609.7	455.8	136.4	102.1	74.7	61.0	51.1	44.2	38.9	38.1
45°	2214.1	1641.7	349.8	124.2	88.4	64.8	52.6	43.4	36.6	32.0	31.2
47.5°	2406.2	1737.0	265.2	113.6	77.0	56.4	45.0	36.6	30.5	26.7	25.9
50°	2711.8	1909.3	208.8	100.6	64.8	48.8	38.1	30.5	25.2	21.3	20.6
52.5°	3079.2	2167.7	179.1	89.2	55.6	42.7	32.8	25.2	20.6	17.5	16.8
55°	3501.5	2476.3	165.4	77.7	47.3	36.6	26.7	20.6	16.8	14.5	13.0
57.5°	3888.7	2754.5	164.6	66.3	40.4	31.2	22.1	17.5	14.5	11.4	10.7
60°	4265.9	2987.0	154.7	54.9	35.1	25.9	19.1	14.5	12.2	9.9	9.1
62.5°	4608.2	3176.0	129.6	44.2	29.7	21.3	16.0	13.0	10.7	8.4	8.4
65°	5038.0	3416.9	99.1	35.8	24.4	17.5	13.7	11.4	9.9	7.6	7.6
67.5°	5482.4	3544.2	70.9	29.7	19.8	15.2	12.2	10.7	8.4	6.9	6.9
70°	4965.6	2994.6	51.1	24.4	16.8	13.0	10.7	9.9	8.4	6.9	6.1
72.5°	3878.0	2159.3	38.1	19.1	14.5	12.2	9.9	9.1	7.6	6.1	6.1
75°	2875.7	1259.1	29.0	15.2	11.4	9.9	9.9	9.1	7.6	6.1	5.3
77.5°	1563.2	439.0	22.1	12.2	9.1	7.6	8.4	8.4	6.9	5.3	4.6
80°	413.9	120.4	15.2	9.1	7.6	6.1	6.1	7.6	6.1	4.6	4.6
82.5°	120.4	35.1	10.7	7.6	6.1	5.3	5.3	5.3	4.6	3.8	3.0
85°	58.7	13.0	7.6	6.1	5.3	4.6	3.8	3.8	3.0	2.3	2.3
87.5°	25.9	5.3	6.1	5.3	5.3	3.8	3.0	2.3	2.3	1.5	0.8
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)