

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: P635089

Luminaire Tested: GWS-SA3D-722-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635089
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-722-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12971.5 lumens
Efficiency: N/A
Efficacy: 107.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

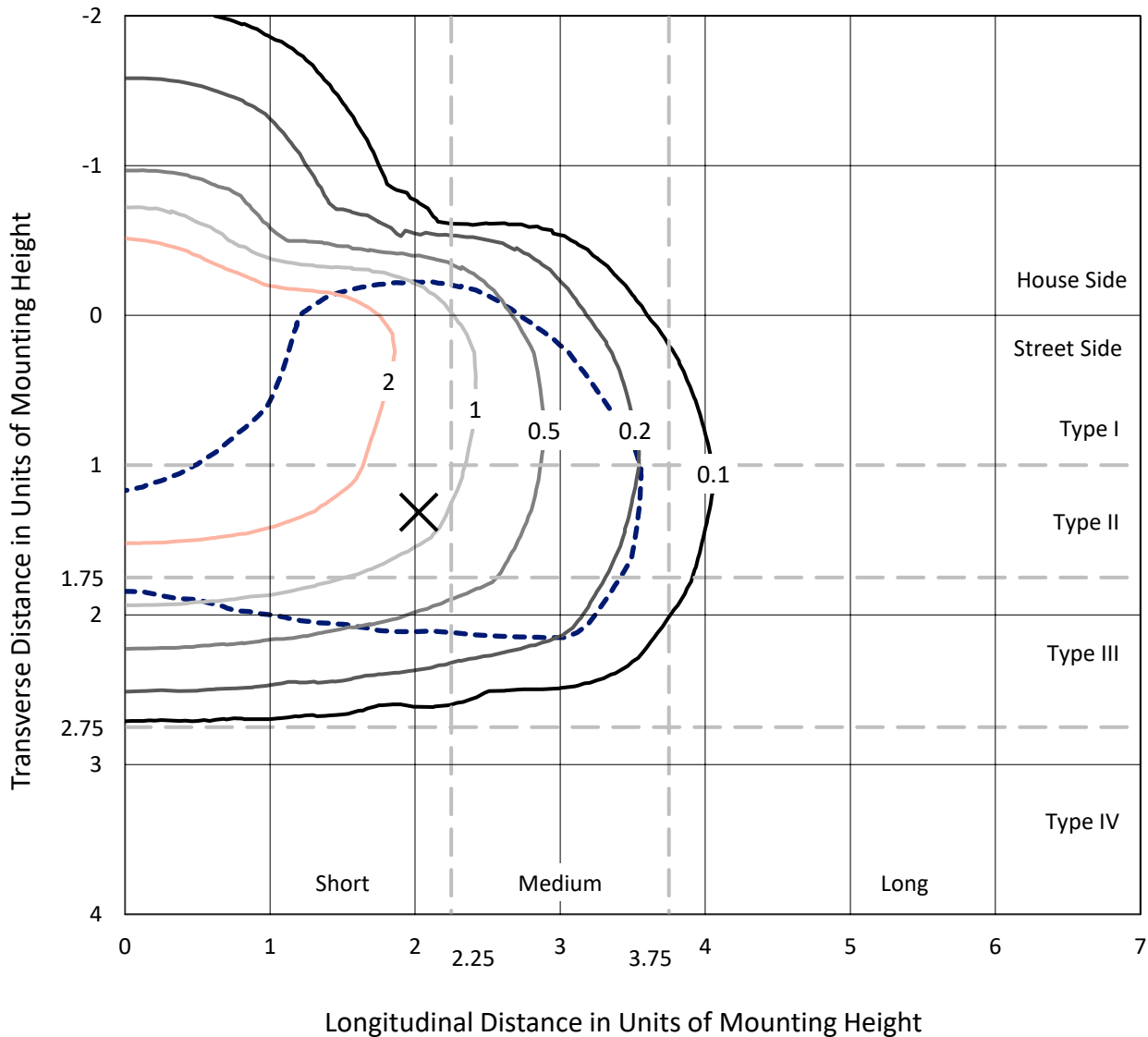
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

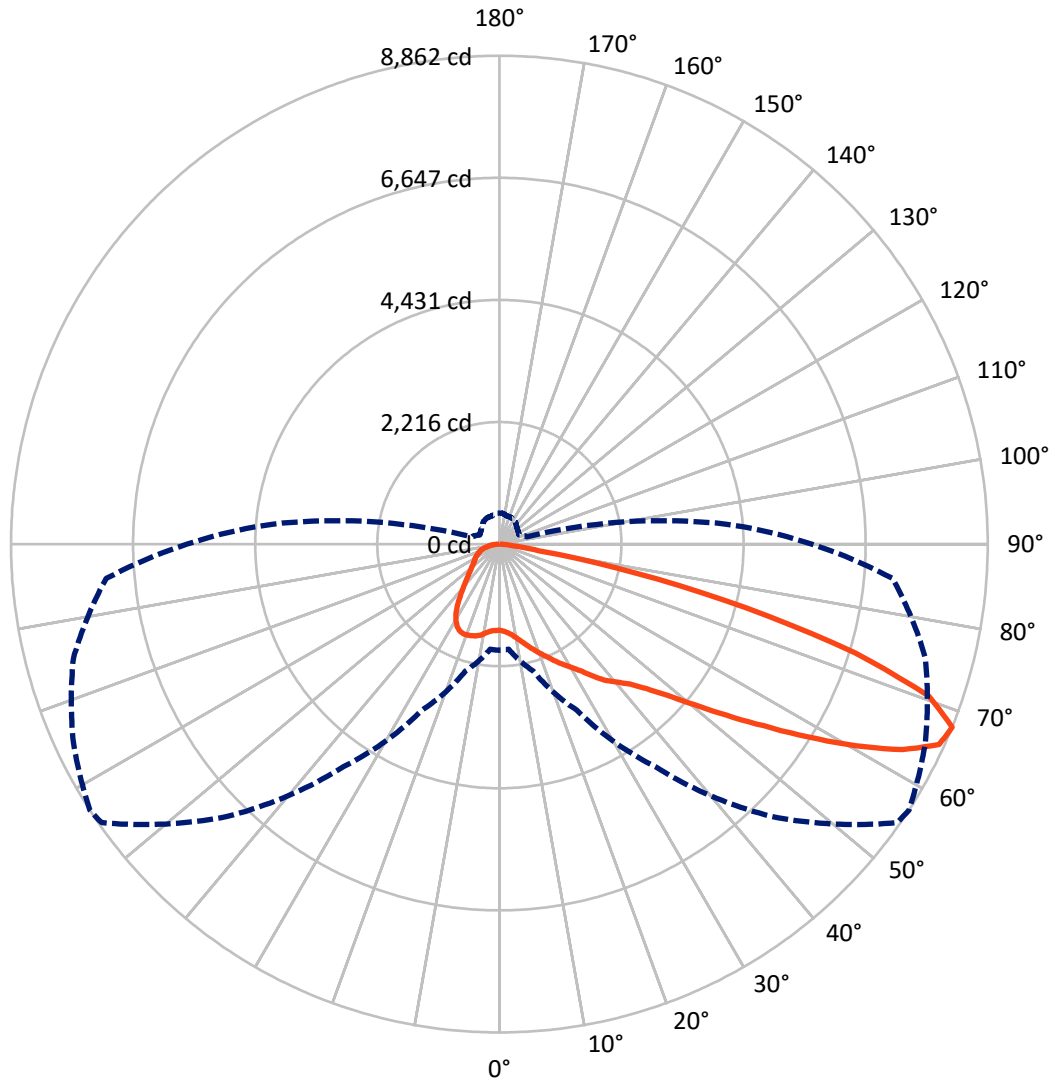
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2851.9	0.0	2851.9
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	10119.6	0.0	10119.6
	% Fixture	78.0	0.0	78.0
Total	Lumens	12971.5	0.0	12971.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.0	1.2
10°-20°	513.2	4.0
20°-30°	914.9	7.1
30°-40°	1330.1	10.3
40°-50°	1925.2	14.8
50°-60°	3012.8	23.2
60°-70°	3514.7	27.1
70°-80°	1467.2	11.3
80°-90°	138.5	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°	12971.5	100.0
0°-180°	12971.5	100.0

Coefficient of Utilization



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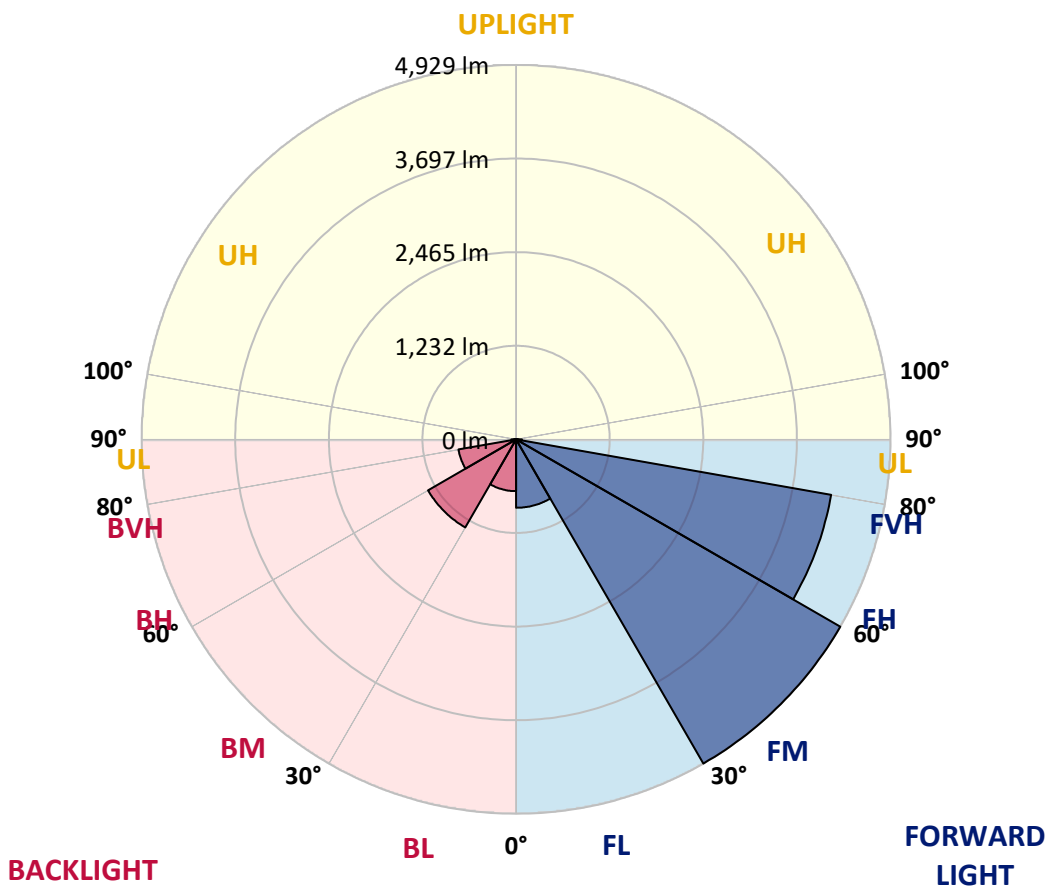
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	901.0	6.9			
FM (30°-60°)	4929.4	38.0			
FH (60°-80°)	4212.1	32.5			G2/5000
FVH (80°-90°)	77.1	0.6			G1/100
BL (0°-30°)	682.1	5.3	B2/1000		
BM (30°-60°)	1338.8	10.3	B2/2500		
BH (60°-80°)	769.8	5.9	B2/1000		G2/1000
BVH (80°-90°)	61.3	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	1563.0	1563.0	1563.0	1563.0	1563.0	1563.0	1563.0	1563.0	1563.0	1563.0	1563.0
2.5°	1585.3	1583.4	1582.5	1588.1	1586.2	1585.3	1585.3	1584.3	1582.5	1575.1	1564.8
5°	1629.0	1625.2	1621.5	1626.2	1622.4	1618.7	1617.8	1615.9	1609.4	1598.3	1582.5
7.5°	1674.5	1670.8	1671.7	1674.5	1671.7	1669.8	1667.1	1665.2	1655.0	1637.3	1615.9
10°	1738.6	1738.6	1740.5	1743.2	1744.2	1741.4	1735.8	1733.0	1720.9	1698.6	1668.9
12.5°	1831.5	1829.7	1829.7	1827.8	1830.6	1827.8	1822.2	1817.6	1802.7	1773.9	1731.2
15°	1954.2	1946.8	1940.2	1928.2	1924.5	1914.2	1916.1	1913.3	1899.4	1860.3	1806.4
17.5°	2085.2	2084.3	2074.1	2049.9	2025.7	2009.0	2012.7	2011.8	2004.4	1951.4	1882.6
20°	2200.4	2205.1	2195.8	2177.2	2144.7	2113.1	2111.2	2115.9	2106.6	2053.6	1957.9
22.5°	2329.6	2325.9	2316.6	2292.4	2268.3	2234.8	2223.7	2219.9	2216.2	2155.8	2035.0
25°	2452.3	2463.4	2451.3	2429.0	2391.9	2355.6	2346.3	2350.0	2339.8	2259.9	2117.7
27.5°	2607.4	2612.1	2604.7	2574.0	2542.4	2491.3	2473.6	2473.6	2469.9	2357.5	2182.8
30°	2772.8	2785.9	2772.8	2747.8	2715.2	2641.8	2603.7	2600.0	2588.9	2457.8	2259.0
32.5°	2939.2	2948.5	2939.2	2915.0	2877.8	2813.7	2758.9	2750.5	2735.7	2567.5	2337.0
35°	3086.9	3095.3	3093.4	3099.0	3068.3	2987.5	2954.0	2950.3	2911.3	2710.6	2443.0
37.5°	3248.6	3258.8	3244.9	3256.0	3244.0	3167.8	3157.5	3139.0	3083.2	2845.3	2554.5
40°	3432.6	3441.9	3419.6	3424.2	3410.3	3367.6	3315.5	3290.4	3207.7	2991.2	2730.1
42.5°	3629.6	3651.0	3661.2	3652.8	3620.3	3596.1	3505.1	3473.5	3404.7	3254.2	3019.1
45°	3914.9	3946.5	3961.3	3940.0	3926.0	3891.6	3780.1	3742.0	3705.8	3625.0	3422.4
47.5°	4222.5	4251.3	4298.7	4307.9	4319.1	4293.1	4136.0	4098.9	4105.4	4096.1	3918.6
50°	4467.8	4491.9	4598.8	4713.1	4807.9	4815.3	4614.6	4574.6	4609.9	4639.7	4516.1
52.5°	4646.2	4667.6	4808.8	5044.8	5259.5	5418.4	5201.9	5156.3	5185.1	5252.1	5195.4
55°	4791.1	4820.9	4968.6	5331.0	5765.0	6015.9	5877.4	5819.8	5807.7	5890.4	5923.0
57.5°	4867.3	4876.6	5083.9	5555.0	6135.8	6602.2	6662.6	6597.6	6482.4	6527.9	6697.0
60°	4693.6	4709.4	4992.8	5612.6	6428.5	7183.9	7486.9	7433.0	7187.7	7212.7	7399.5
62.5°	4213.2	4235.5	4576.5	5338.5	6452.6	7572.4	8247.9	8213.5	7884.6	7748.9	7804.7
65°	3379.6	3387.1	3740.2	4660.1	5972.2	7620.7	8778.5	8770.1	8371.5	8053.7	7814.9
67.5°	1927.2	1914.2	2386.3	3323.9	4928.7	6992.5	8812.9	8862.1	8529.5	8003.5	7164.4
70°	835.4	837.2	1054.7	1640.1	3190.1	5651.6	8185.7	8270.2	8072.3	7168.1	5699.9
72.5°	386.6	392.1	486.0	709.9	1362.3	3506.0	6674.7	6750.9	6580.9	5737.1	4147.2
75°	273.2	277.8	324.3	407.0	626.3	1366.0	4465.0	4624.8	4707.5	4291.2	2732.9
77.5°	207.2	213.7	237.0	282.5	386.6	484.1	2136.3	2517.3	2998.6	2669.7	1407.8
80°	132.0	132.0	157.0	188.6	236.0	251.8	617.0	731.3	1467.3	1100.2	552.9
82.5°	89.2	92.0	106.9	119.9	135.7	143.1	264.8	282.5	423.7	374.5	227.7
85°	47.4	49.2	55.8	54.8	65.0	56.7	111.5	110.6	155.2	170.1	86.4
87.5°	0.0	0.0	0.9	0.9	1.9	2.8	12.1	13.0	32.5	52.0	28.8
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°	1563.0	1563.0	1563.0	1563.0	1563.0	1563.0	1563.0	1563.0	1563.0	1563.0	1563.0
2.5°	1570.4	1559.3	1564.8	1563.0	1568.6	1568.6	1558.3	1555.5	1556.5	1545.3	1541.6
5°	1584.3	1571.3	1574.1	1570.4	1576.0	1580.6	1576.0	1576.0	1581.6	1573.2	1568.6
7.5°	1615.9	1601.1	1601.1	1596.4	1602.9	1606.7	1602.9	1608.5	1618.7	1610.4	1605.7
10°	1666.1	1648.5	1649.4	1643.8	1646.6	1644.8	1629.9	1625.2	1628.0	1620.6	1616.9
12.5°	1731.2	1707.0	1707.0	1695.9	1689.4	1669.8	1639.2	1628.0	1629.9	1623.4	1620.6
15°	1793.4	1771.1	1766.5	1744.2	1714.4	1678.2	1650.3	1642.9	1644.8	1638.2	1633.6
17.5°	1866.8	1838.0	1821.3	1780.4	1725.6	1688.4	1660.5	1642.9	1628.0	1613.2	1609.4
20°	1934.7	1898.4	1867.8	1804.6	1737.7	1686.6	1634.5	1590.9	1554.6	1535.1	1530.5
22.5°	2004.4	1957.9	1904.0	1821.3	1736.7	1653.1	1557.4	1491.4	1437.5	1408.7	1414.3
25°	2070.3	2011.8	1938.4	1837.1	1707.0	1578.8	1448.7	1350.2	1288.9	1266.6	1260.0
27.5°	2125.2	2052.7	1970.0	1829.7	1645.7	1471.9	1300.0	1190.4	1130.9	1105.8	1099.3
30°	2186.5	2104.7	2015.5	1795.3	1549.0	1322.3	1131.8	1042.6	999.9	975.7	976.6
32.5°	2257.1	2171.6	2079.6	1729.3	1425.5	1160.6	993.4	932.0	897.6	873.5	869.8
35°	2351.9	2267.3	2122.4	1629.9	1268.4	1011.9	898.6	848.4	805.6	774.1	767.6
37.5°	2469.0	2411.4	2127.0	1497.0	1100.2	909.7	830.7	776.8	724.8	683.0	678.3
40°	2669.7	2603.7	2088.9	1330.7	957.1	843.7	774.1	711.8	651.4	604.9	598.4
42.5°	2955.9	2820.2	2007.2	1143.0	849.3	791.7	720.2	641.2	579.8	547.3	542.7
45°	3320.2	3061.8	1884.5	966.4	769.4	740.6	663.5	580.8	548.3	525.0	520.4
47.5°	3766.2	3343.4	1743.2	828.9	707.1	694.1	605.9	560.3	531.5	512.0	507.4
50°	4299.6	3702.1	1627.1	721.1	651.4	640.2	587.3	548.3	525.0	509.2	505.5
52.5°	4908.2	4100.7	1570.4	644.0	603.1	591.9	580.8	545.5	525.9	513.9	509.2
55°	5540.1	4520.7	1517.4	584.5	562.2	568.7	581.7	554.8	539.9	524.1	519.4
57.5°	6150.6	4914.7	1387.4	538.0	532.5	557.5	586.3	564.0	546.4	530.6	525.0
60°	6571.6	5130.3	1167.1	500.9	510.2	543.6	574.3	550.1	527.8	521.3	518.5
62.5°	6684.9	5104.3	906.0	462.8	483.2	512.9	542.7	526.9	503.6	513.9	514.8
65°	6420.1	4825.5	680.2	425.6	447.9	473.0	510.2	503.6	495.3	523.2	524.1
67.5°	5670.2	4140.7	518.5	393.1	411.7	442.3	499.9	526.9	528.7	564.0	560.3
70°	4290.3	3093.4	406.1	362.4	383.8	442.3	532.5	544.5	522.2	554.8	547.3
72.5°	2966.1	2041.5	345.7	335.5	349.4	421.9	531.5	531.5	507.4	507.4	493.4
75°	1842.7	1200.6	301.1	301.1	301.1	368.9	516.7	489.7	447.0	427.4	416.3
77.5°	909.7	583.6	252.8	262.0	251.8	308.5	421.9	400.5	374.5	354.0	346.6
80°	388.4	291.8	204.4	214.7	202.6	232.3	334.5	329.9	304.8	277.8	269.5
82.5°	178.4	150.5	163.5	168.2	147.7	174.7	244.4	244.4	230.5	193.3	179.3
85°	76.2	79.9	113.4	113.4	92.9	98.5	131.0	124.5	111.5	91.1	83.6
87.5°	26.0	39.0	57.6	50.2	19.5	8.4	4.6	1.9	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)