

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: P634372

Luminaire Tested: GWS-SA3B-750-U-T3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634372
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-25)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-750-U-T3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9081.2 lumens
Efficiency: N/A
Efficacy: 133.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

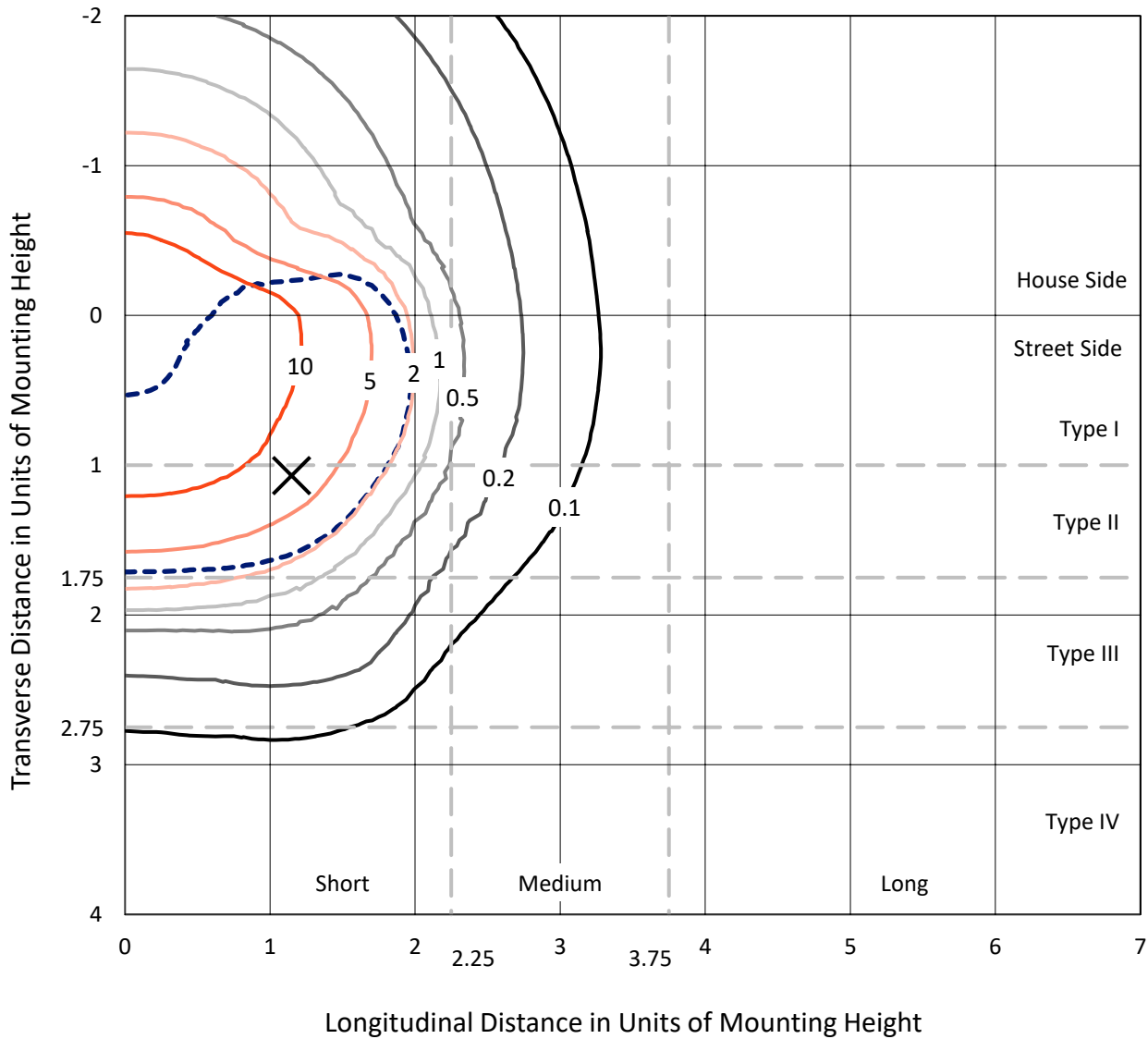
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

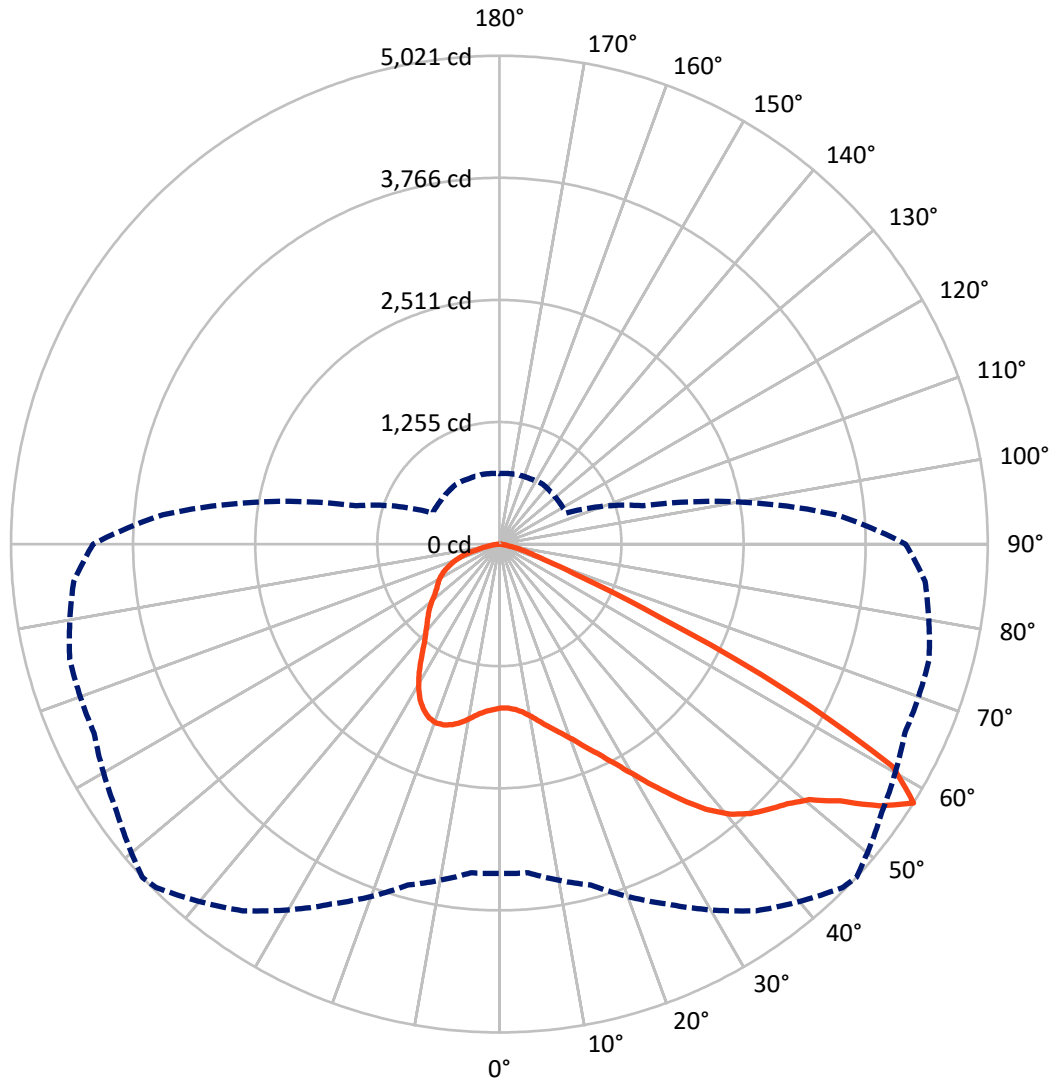
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 18.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2874.2	0.0	2874.2
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	6207.0	0.0	6207.0
	% Fixture	68.4	0.0	68.4
Total	Lumens	9081.2	0.0	9081.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.1	1.8
10°-20°	546.3	6.0
20°-30°	983.7	10.8
30°-40°	1485.8	16.4
40°-50°	2000.8	22.0
50°-60°	2404.3	26.5
60°-70°	1170.9	12.9
70°-80°	288.5	3.2
80°-90°	34.7	0.4
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°	9081.2	100.0
0°-180°	9081.2	100.0

Coefficient of Utilization



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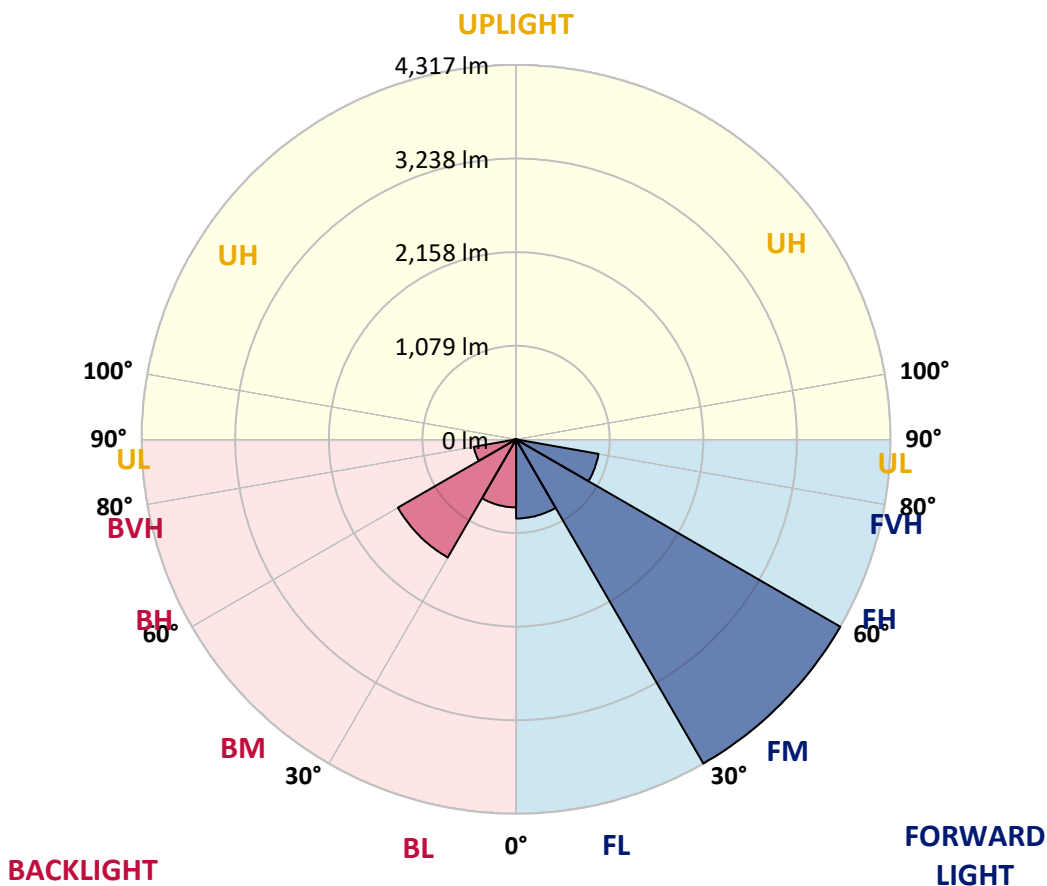
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	912.2	10.0			
FM (30°-60°)	4316.8	47.5			
FH (60°-80°)	965.1	10.6			G1/1800
FVH (80°-90°)	13.0	0.1			G1/100
BL (0°-30°)	784.0	8.6	B2/1000		
BM (30°-60°)	1574.2	17.3	B2/2500		
BH (60°-80°)	494.3	5.4	B1/500		G1/500
BVH (80°-90°)	21.6	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	1684.1	1684.1	1684.1	1684.1	1684.1	1684.1	1684.1	1684.1	1684.1	1684.1	1684.1
2.5°	1681.1	1680.3	1680.3	1684.9	1684.9	1686.4	1688.7	1691.0	1691.7	1687.9	1679.5
5°	1699.4	1699.4	1699.4	1703.2	1703.2	1704.7	1707.8	1708.5	1707.8	1701.7	1693.3
7.5°	1728.4	1728.4	1729.1	1733.7	1737.5	1739.8	1745.1	1744.4	1742.1	1732.2	1721.5
10°	1775.7	1777.9	1780.2	1785.6	1793.2	1798.5	1802.3	1802.3	1799.3	1784.0	1770.3
12.5°	1842.8	1845.8	1848.1	1852.7	1858.8	1867.9	1876.3	1876.3	1872.5	1853.4	1832.9
15°	1921.3	1924.4	1923.6	1925.1	1936.6	1949.6	1956.4	1961.0	1962.5	1935.8	1903.8
17.5°	2011.3	2014.4	2011.3	2006.8	2008.3	2028.9	2041.1	2057.9	2067.8	2031.9	1980.8
20°	2092.9	2089.9	2089.9	2092.9	2097.5	2122.7	2141.0	2168.5	2180.7	2137.2	2057.9
22.5°	2179.1	2186.0	2183.0	2183.0	2201.3	2243.2	2265.3	2301.2	2314.1	2257.7	2150.9
25°	2290.5	2296.6	2295.1	2296.6	2318.0	2377.4	2399.6	2465.9	2478.9	2398.0	2253.9
27.5°	2412.5	2422.5	2427.0	2425.5	2459.8	2537.6	2565.1	2657.4	2681.0	2555.2	2363.7
30°	2571.2	2581.9	2585.7	2584.2	2624.6	2730.6	2761.9	2867.1	2900.7	2741.3	2503.3
32.5°	2755.0	2765.7	2777.1	2781.7	2833.6	2941.9	2986.9	3095.9	3144.0	2956.4	2671.9
35°	2937.3	2946.5	2968.6	3004.4	3075.4	3185.9	3225.6	3333.2	3379.7	3179.8	2875.5
37.5°	3138.7	3144.8	3163.8	3213.4	3315.6	3420.9	3460.5	3563.5	3568.8	3395.7	3105.9
40°	3359.1	3359.1	3355.3	3404.1	3510.9	3616.9	3651.2	3710.7	3679.4	3562.0	3330.1
42.5°	3546.0	3542.9	3546.0	3591.7	3671.0	3757.2	3787.0	3775.5	3735.9	3689.4	3533.0
45°	3714.5	3716.8	3744.3	3779.4	3820.5	3871.6	3889.2	3824.4	3788.5	3791.6	3695.5
47.5°	3828.9	3831.2	3895.3	3954.0	3979.2	3995.2	3987.6	3897.6	3879.3	3913.6	3820.5
50°	3844.2	3856.4	3967.0	4087.5	4150.0	4152.3	4131.0	4021.1	4015.8	4054.7	3887.7
52.5°	3847.2	3859.4	3997.5	4214.9	4377.3	4411.7	4387.3	4272.8	4217.2	4178.3	3970.0
55°	3835.8	3849.5	4002.1	4300.3	4611.5	4748.8	4751.1	4589.4	4411.7	4385.7	4205.0
57.5°	3386.5	3391.9	3628.3	4082.9	4602.4	4991.3	5021.1	4801.4	4598.5	4574.1	4393.4
60°	2359.1	2380.5	2637.5	3237.8	3866.3	4552.0	4648.1	4584.0	4448.3	4270.6	3769.4
62.5°	1181.5	1199.8	1457.6	2025.1	2666.5	3208.1	3311.0	3378.9	3411.0	3220.3	2566.6
65°	508.7	522.5	682.6	1057.9	1509.5	1771.1	1806.9	1888.5	2088.4	1863.4	1382.8
67.5°	340.2	349.3	430.9	645.3	889.4	906.1	900.8	918.3	961.8	794.0	624.7
70°	260.9	268.5	323.4	472.9	639.2	546.9	517.9	469.8	510.3	520.2	506.5
72.5°	189.2	195.3	236.4	322.6	400.4	349.3	344.8	369.2	424.1	439.3	430.9
75°	122.0	125.1	150.3	177.0	206.7	224.2	233.4	277.6	333.3	344.8	334.8
77.5°	81.6	83.9	98.4	113.6	117.5	118.2	121.3	141.1	179.2	200.6	198.3
80°	42.7	42.7	48.1	48.1	54.9	65.6	68.6	81.6	99.2	109.8	110.6
82.5°	16.8	17.5	20.6	22.9	27.5	33.6	35.8	42.7	51.9	59.5	66.4
85°	6.9	7.6	8.4	9.9	12.2	15.3	16.0	18.3	24.4	30.5	34.3
87.5°	0.0	0.0	0.8	0.8	1.5	2.3	2.3	3.1	3.8	6.9	9.2
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°	1684.1	1684.1	1684.1	1684.1	1684.1	1684.1	1684.1	1684.1	1684.1	1684.1	1684.1
2.5°	1689.5	1679.5	1689.5	1692.5	1700.9	1704.0	1698.6	1697.9	1697.9	1690.2	1687.9
5°	1700.9	1691.7	1701.7	1706.2	1718.4	1726.1	1727.6	1733.7	1737.5	1734.5	1733.7
7.5°	1729.1	1717.7	1728.4	1735.2	1751.2	1763.4	1768.8	1782.5	1792.4	1790.9	1790.1
10°	1778.7	1763.4	1775.7	1787.1	1804.6	1819.1	1819.9	1827.5	1837.4	1834.4	1832.9
12.5°	1835.9	1821.4	1835.1	1846.6	1867.2	1873.3	1863.4	1860.3	1861.8	1858.0	1855.0
15°	1906.1	1885.5	1897.7	1910.7	1922.1	1915.2	1893.9	1885.5	1884.7	1879.4	1876.3
17.5°	1976.2	1950.3	1959.5	1966.3	1961.0	1939.6	1912.9	1898.5	1891.6	1880.9	1877.9
20°	2045.7	2012.9	2011.3	2006.0	1981.6	1942.7	1906.8	1877.9	1860.3	1845.8	1840.5
22.5°	2125.0	2079.2	2056.3	2031.9	1978.5	1915.2	1861.1	1819.9	1791.7	1773.4	1767.3
25°	2210.4	2145.6	2098.3	2049.5	1948.0	1856.5	1781.0	1724.5	1691.0	1671.2	1664.3
27.5°	2295.1	2205.8	2134.9	2051.8	1887.0	1771.8	1670.4	1594.1	1560.6	1544.5	1539.2
30°	2409.5	2285.9	2178.4	2022.0	1806.9	1654.4	1527.8	1450.7	1428.6	1417.2	1412.6
32.5°	2541.4	2387.4	2236.3	1959.5	1704.7	1517.1	1383.6	1330.2	1315.0	1292.8	1292.1
35°	2715.3	2532.3	2291.3	1867.2	1575.8	1369.9	1273.0	1234.9	1207.4	1172.3	1169.3
37.5°	2918.2	2713.1	2321.0	1749.7	1425.6	1248.6	1190.6	1147.9	1103.7	1057.2	1051.1
40°	3128.0	2924.3	2323.3	1610.9	1278.3	1168.5	1119.7	1064.0	1009.1	957.2	950.4
42.5°	3348.4	3121.1	2282.9	1450.7	1157.8	1099.1	1049.5	979.4	917.6	882.5	878.7
45°	3545.2	3279.8	2191.3	1282.2	1068.6	1041.1	977.8	902.3	869.5	844.3	839.0
47.5°	3700.0	3385.0	2067.8	1131.1	996.1	981.6	899.3	860.4	835.2	812.3	807.0
50°	3776.3	3408.7	1906.8	1008.3	929.0	911.5	855.0	825.3	808.5	790.2	785.6
52.5°	3870.9	3435.4	1768.0	905.4	863.4	839.8	818.4	794.8	782.6	771.1	767.3
55°	4088.3	3536.0	1694.8	823.0	800.9	790.2	787.1	767.3	763.5	755.9	749.0
57.5°	4176.7	3471.2	1521.7	755.9	751.3	752.8	760.4	742.1	738.3	729.2	724.6
60°	3359.1	2623.8	1030.5	697.9	710.1	720.0	727.7	709.3	704.0	702.5	696.4
62.5°	2152.4	1613.9	719.3	643.7	662.1	674.3	678.8	661.3	657.5	669.7	670.4
65°	1120.5	879.4	583.5	585.8	601.0	619.3	628.5	622.4	620.9	633.8	634.6
67.5°	572.1	537.7	508.7	517.1	529.3	553.0	574.3	601.0	610.2	611.7	612.5
70°	487.4	472.1	457.6	463.0	475.9	488.9	509.5	522.5	507.2	503.4	501.9
72.5°	414.9	403.5	396.6	402.7	409.6	407.3	401.2	407.3	409.6	410.4	411.1
75°	322.6	314.2	308.9	309.7	309.7	301.3	289.8	283.0	275.3	269.2	269.2
77.5°	197.5	199.1	204.4	203.7	202.9	199.8	188.4	182.3	164.0	158.6	158.6
80°	112.9	115.2	120.5	122.0	122.0	118.2	106.8	99.9	91.5	87.7	87.0
82.5°	68.6	71.7	74.7	76.3	77.0	72.5	62.5	57.2	52.6	48.8	48.8
85°	35.8	37.4	40.4	41.2	38.9	34.3	29.0	26.7	22.1	21.4	21.4
87.5°	9.9	10.7	12.2	9.9	9.2	6.9	3.8	3.1	1.5	0.8	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)