

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: P632942

Luminaire Tested: GWS-SA2D-760-U-T3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632942
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-SA2D-760-U-T3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10054.3 lumens
Efficiency: N/A
Efficacy: 122.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

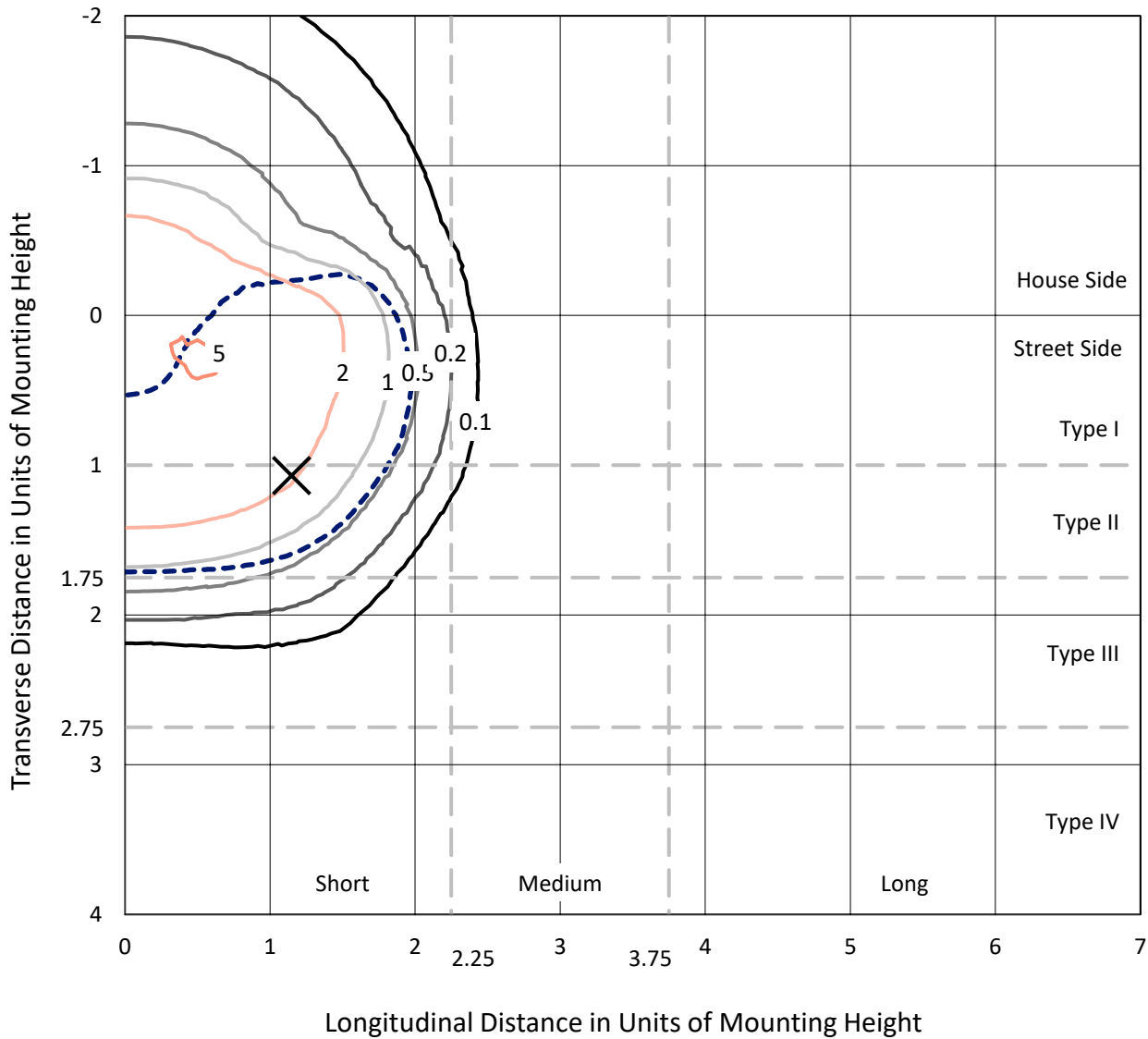
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

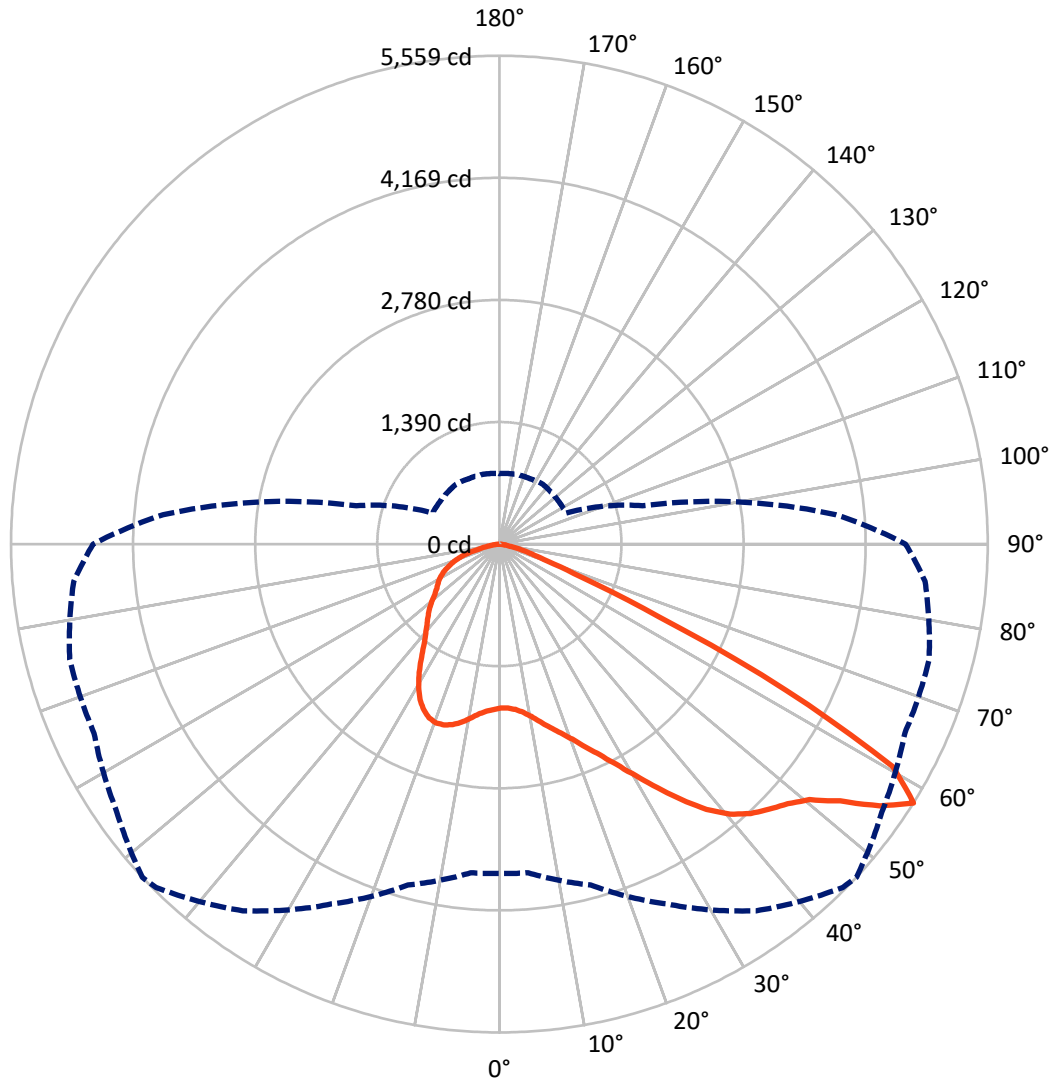
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.2 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	3182.2	0.0	3182.2
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	6872.1	0.0	6872.1
	% Fixture	68.4	0.0	68.4
Total	Lumens	10054.3	0.0	10054.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.9	1.8
10°-20°	604.9	6.0
20°-30°	1089.1	10.8
30°-40°	1645.0	16.4
40°-50°	2215.2	22.0
50°-60°	2661.9	26.5
60°-70°	1296.4	12.9
70°-80°	319.4	3.2
80°-90°	38.4	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°	10054.3	100.0
0°-180°	10054.3	100.0

Coefficient of Utilization



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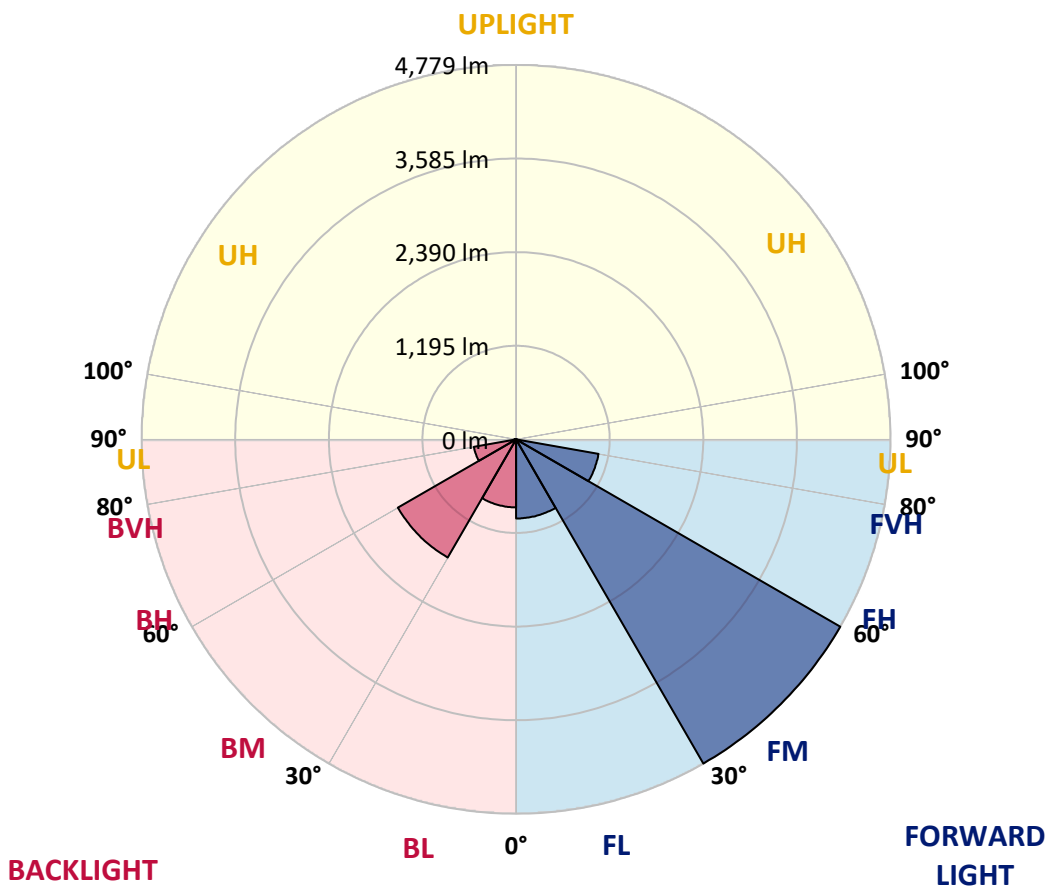
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1009.9	10.0			
FM (30°-60°)	4779.3	47.5			
FH (60°-80°)	1068.5	10.6			G1/1800
FVH (80°-90°)	14.4	0.1			G1/100
BL (0°-30°)	868.0	8.6	B2/1000		
BM (30°-60°)	1742.9	17.3	B2/2500		
BH (60°-80°)	547.3	5.4	B2/1000		G2/1000
BVH (80°-90°)	24.0	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-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	1864.6	1864.6	1864.6	1864.6	1864.6	1864.6	1864.6	1864.6	1864.6	1864.6	1864.6
2.5°	1861.2	1860.4	1860.4	1865.4	1865.4	1867.1	1869.7	1872.2	1873.0	1868.8	1859.5
5°	1881.5	1881.5	1881.5	1885.7	1885.7	1887.4	1890.8	1891.6	1890.8	1884.0	1874.7
7.5°	1913.6	1913.6	1914.4	1919.5	1923.7	1926.2	1932.1	1931.3	1928.8	1917.8	1906.0
10°	1965.9	1968.5	1971.0	1976.9	1985.3	1991.3	1995.5	1995.5	1992.1	1975.2	1960.0
12.5°	2040.2	2043.6	2046.1	2051.2	2058.0	2068.1	2077.4	2077.4	2073.2	2052.1	2029.3
15°	2127.2	2130.6	2129.7	2131.4	2144.1	2158.5	2166.1	2171.1	2172.8	2143.3	2107.8
17.5°	2226.9	2230.2	2226.9	2221.8	2223.5	2246.3	2259.8	2278.4	2289.4	2249.7	2193.1
20°	2317.2	2313.8	2313.8	2317.2	2322.3	2350.2	2370.4	2400.8	2414.3	2366.2	2278.4
22.5°	2412.6	2420.2	2416.9	2416.9	2437.1	2483.6	2508.1	2547.8	2562.1	2499.6	2381.4
25°	2535.9	2542.7	2541.0	2542.7	2566.3	2632.2	2656.7	2730.2	2744.5	2655.0	2495.4
27.5°	2671.1	2682.0	2687.1	2685.4	2723.4	2809.5	2839.9	2942.1	2968.3	2829.0	2617.0
30°	2846.7	2858.5	2862.7	2861.1	2905.8	3023.2	3057.8	3174.4	3211.5	3035.0	2771.5
32.5°	3050.2	3062.0	3074.7	3079.8	3137.2	3257.1	3306.9	3427.7	3480.9	3273.2	2958.2
35°	3252.0	3262.2	3286.7	3326.4	3404.9	3527.3	3571.3	3690.3	3741.8	3520.6	3183.6
37.5°	3475.0	3481.7	3502.9	3557.7	3670.9	3787.4	3831.3	3945.4	3951.3	3759.6	3438.7
40°	3719.0	3719.0	3714.8	3768.9	3887.1	4004.5	4042.5	4108.3	4073.7	3943.7	3686.9
42.5°	3925.9	3922.6	3925.9	3976.6	4064.4	4159.8	4192.8	4180.1	4136.2	4084.7	3911.6
45°	4112.6	4115.1	4145.5	4184.3	4229.9	4286.5	4305.9	4234.2	4194.5	4197.8	4091.4
47.5°	4239.2	4241.8	4312.7	4377.7	4405.6	4423.3	4414.9	4315.2	4295.0	4333.0	4229.9
50°	4256.1	4269.6	4392.1	4525.5	4594.7	4597.3	4573.6	4452.0	4446.1	4489.2	4304.3
52.5°	4259.5	4273.0	4425.9	4666.5	4846.4	4884.4	4857.4	4730.7	4669.1	4626.0	4395.5
55°	4246.8	4262.0	4430.9	4761.1	5105.7	5257.7	5260.2	5081.2	4884.4	4855.7	4655.5
57.5°	3749.4	3755.3	4017.1	4520.4	5095.5	5526.2	5559.1	5315.9	5091.3	5064.3	4864.1
60°	2611.9	2635.6	2920.2	3584.8	4280.6	5039.8	5146.2	5075.3	4924.9	4728.2	4173.4
62.5°	1308.1	1328.3	1613.8	2242.1	2952.3	3551.8	3665.8	3741.0	3776.5	3565.3	2841.6
65°	563.3	578.5	755.8	1171.3	1671.2	1960.9	2000.5	2090.9	2312.2	2063.0	1531.0
67.5°	376.6	386.8	477.1	714.4	984.6	1003.2	997.3	1016.7	1064.9	879.1	691.6
70°	288.8	297.3	358.1	523.6	707.7	605.5	573.4	520.2	564.9	575.9	560.7
72.5°	209.4	216.2	261.8	357.2	443.3	386.8	381.7	408.7	469.5	486.4	477.1
75°	135.1	138.5	166.4	195.9	228.9	248.3	258.4	307.4	369.0	381.7	370.7
77.5°	90.4	92.9	108.9	125.8	130.0	130.9	134.3	156.2	198.4	222.1	219.6
80°	47.3	47.3	53.2	53.2	60.8	72.6	76.0	90.4	109.8	121.6	122.4
82.5°	18.6	19.4	22.8	25.3	30.4	37.2	39.7	47.3	57.4	65.9	73.5
85°	7.6	8.4	9.3	11.0	13.5	16.9	17.7	20.3	27.0	33.8	38.0
87.5°	0.0	0.0	0.8	0.8	1.7	2.5	2.5	3.4	4.2	7.6	10.1
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°	1864.6	1864.6	1864.6	1864.6	1864.6	1864.6	1864.6	1864.6	1864.6	1864.6	1864.6
2.5°	1870.5	1859.5	1870.5	1873.9	1883.2	1886.5	1880.6	1879.8	1879.8	1871.3	1868.8
5°	1883.2	1873.0	1884.0	1889.1	1902.6	1911.0	1912.7	1919.5	1923.7	1920.3	1919.5
7.5°	1914.4	1901.7	1913.6	1921.2	1938.9	1952.4	1958.3	1973.5	1984.5	1982.8	1982.0
10°	1969.3	1952.4	1965.9	1978.6	1998.0	2014.1	2014.9	2023.3	2034.3	2030.9	2029.3
12.5°	2032.6	2016.6	2031.8	2044.5	2067.3	2074.0	2063.0	2059.7	2061.3	2057.1	2053.7
15°	2110.3	2087.5	2101.0	2115.4	2128.1	2120.5	2096.8	2087.5	2086.7	2080.8	2077.4
17.5°	2188.0	2159.3	2169.4	2177.0	2171.1	2147.5	2117.9	2101.9	2094.3	2082.5	2079.1
20°	2264.9	2228.5	2226.9	2220.9	2193.9	2150.9	2111.2	2079.1	2059.7	2043.6	2037.7
22.5°	2352.7	2302.0	2276.7	2249.7	2190.5	2120.5	2060.5	2014.9	1983.7	1963.4	1956.6
25°	2447.3	2375.5	2323.1	2269.1	2156.8	2055.4	1971.8	1909.3	1872.2	1850.2	1842.6
27.5°	2541.0	2442.2	2363.7	2271.6	2089.2	1961.7	1849.4	1764.9	1727.8	1710.0	1704.1
30°	2667.7	2530.9	2411.8	2238.7	2000.5	1831.7	1691.5	1606.2	1581.7	1569.0	1564.0
32.5°	2813.8	2643.2	2476.0	2169.4	1887.4	1679.6	1531.9	1472.8	1455.9	1431.4	1430.5
35°	3006.3	2803.6	2536.8	2067.3	1744.7	1516.7	1409.4	1367.2	1336.8	1297.9	1294.6
37.5°	3230.9	3003.8	2569.7	1937.2	1578.3	1382.4	1318.2	1270.9	1221.9	1170.4	1163.7
40°	3463.2	3237.7	2572.2	1783.5	1415.3	1293.7	1239.7	1178.0	1117.2	1059.8	1052.2
42.5°	3707.2	3455.6	2527.5	1606.2	1281.9	1216.9	1162.0	1084.3	1015.9	977.0	972.8
45°	3925.1	3631.2	2426.2	1419.6	1183.1	1152.7	1082.6	999.0	962.7	934.8	928.9
47.5°	4096.5	3747.7	2289.4	1252.3	1102.9	1086.8	995.6	952.6	924.7	899.4	893.4
50°	4181.0	3773.9	2111.2	1116.4	1028.6	1009.1	946.6	913.7	895.1	874.9	869.8
52.5°	4285.7	3803.5	1957.5	1002.4	955.9	929.8	906.1	879.9	866.4	853.8	849.5
55°	4526.3	3915.0	1876.4	911.2	886.7	874.9	871.5	849.5	845.3	836.9	829.3
57.5°	4624.3	3843.2	1684.7	836.9	831.8	833.5	841.9	821.7	817.4	807.3	802.2
60°	3719.0	2905.0	1140.9	772.7	786.2	797.2	805.6	785.4	779.4	777.8	771.0
62.5°	2383.1	1786.9	796.3	712.7	733.0	746.5	751.6	732.2	727.9	741.4	742.3
65°	1240.5	973.7	646.0	648.6	665.4	685.7	695.8	689.1	687.4	701.8	702.6
67.5°	633.4	595.3	563.3	572.5	586.1	612.2	635.9	665.4	675.6	677.3	678.1
70°	539.6	522.7	506.7	512.6	526.9	541.3	564.1	578.5	561.6	557.3	555.7
72.5°	459.4	446.7	439.1	445.9	453.5	450.9	444.2	450.9	453.5	454.3	455.2
75°	357.2	347.9	342.0	342.9	342.9	333.6	320.9	313.3	304.9	298.1	298.1
77.5°	218.7	220.4	226.3	225.5	224.6	221.3	208.6	201.8	181.6	175.6	175.6
80°	125.0	127.5	133.4	135.1	135.1	130.9	118.2	110.6	101.3	97.1	96.3
82.5°	76.0	79.4	82.8	84.4	85.3	80.2	69.2	63.3	58.3	54.0	54.0
85°	39.7	41.4	44.8	45.6	43.1	38.0	32.1	29.6	24.5	23.6	23.6
87.5°	11.0	11.8	13.5	11.0	10.1	7.6	4.2	3.4	1.7	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)