

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: P635358

Luminaire Tested: GWS-SA3D-750-U-T2R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635358
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-13)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-750-U-T2R-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY 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: 15843.1 lumens
Efficiency: N/A
Efficacy: 131.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - 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

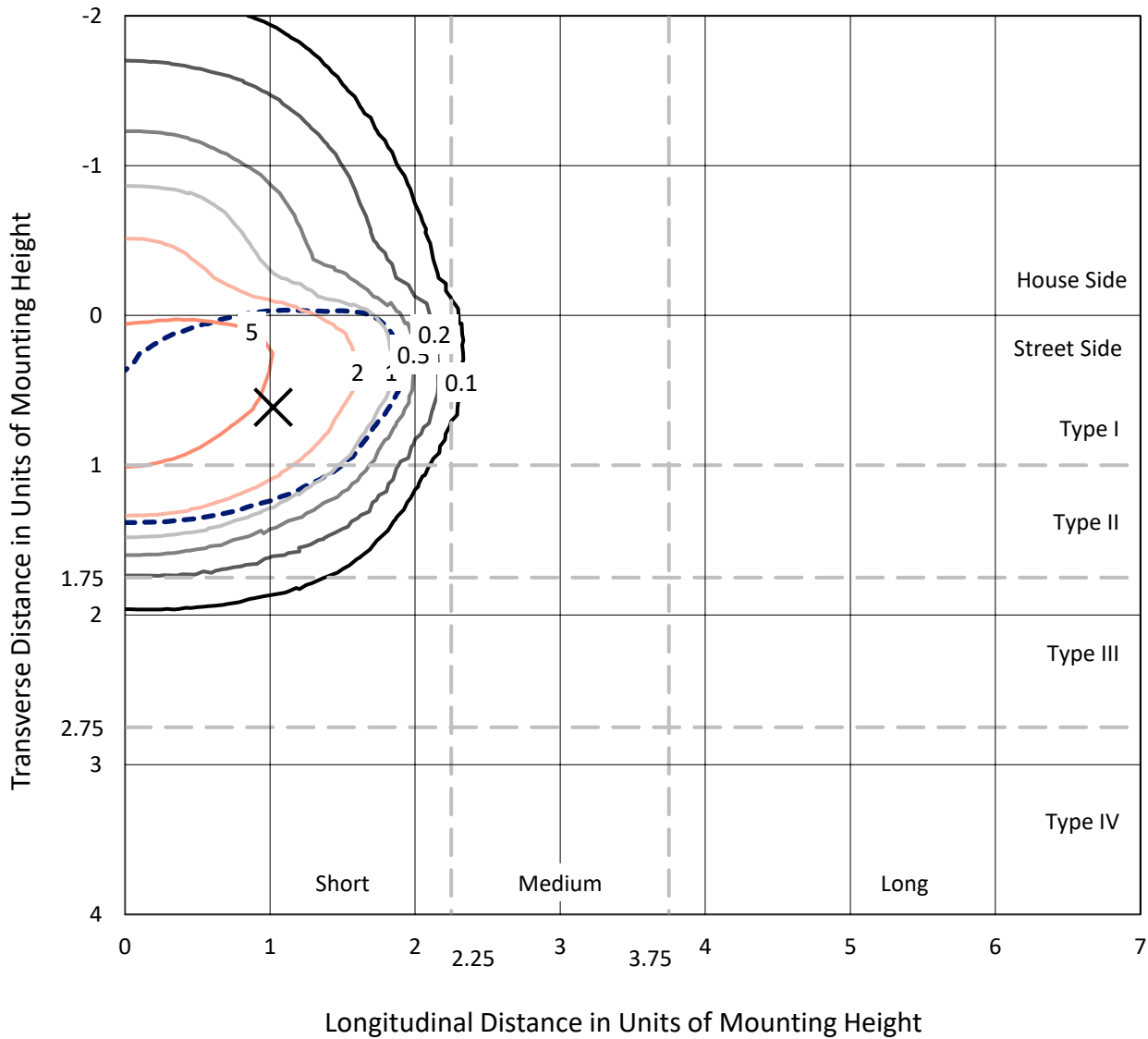


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Iso-Footcandle Lines of Horizontal Illumination

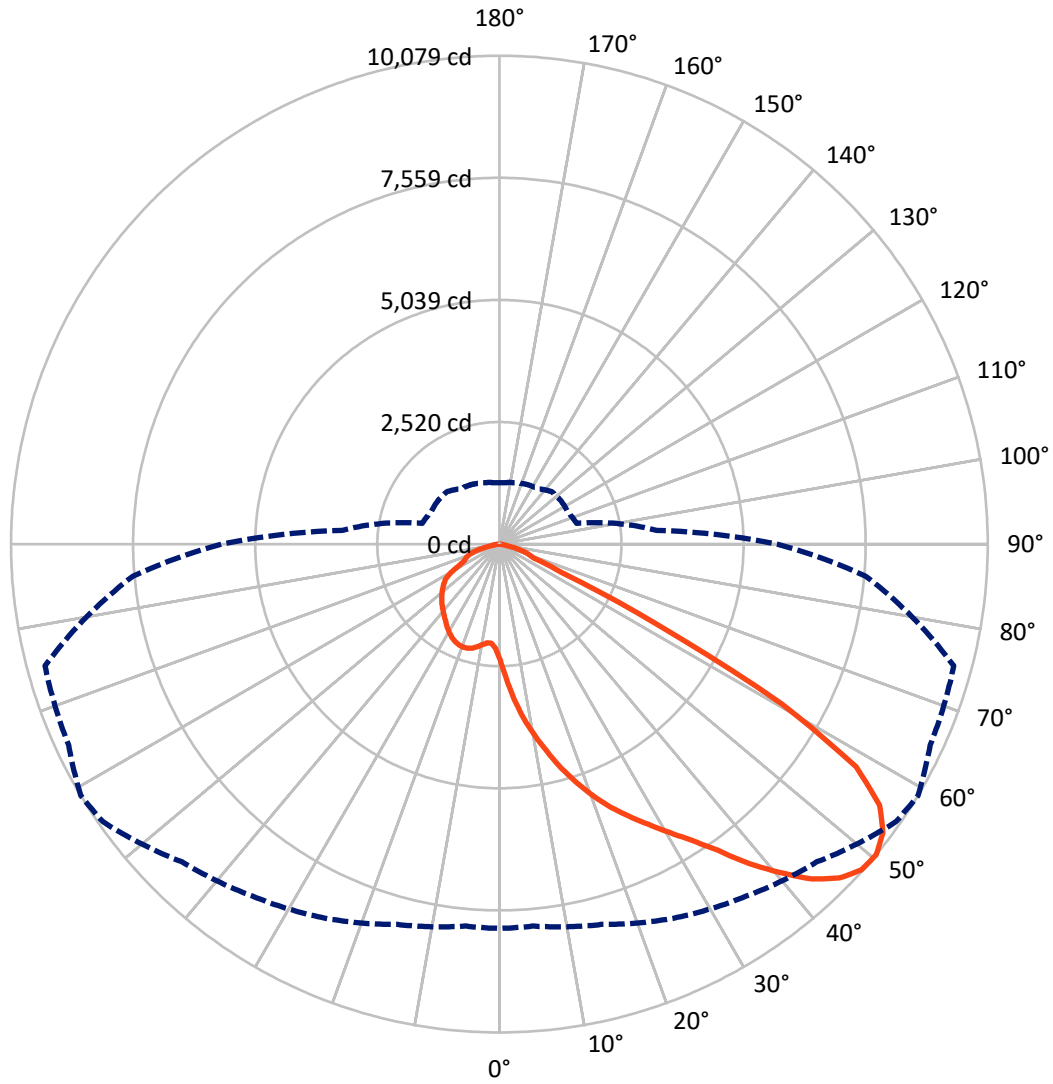
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3644.2	0.0	3644.2
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	12198.9	0.0	12198.9
	% Fixture	77.0	0.0	77.0
Total	Lumens	15843.1	0.0	15843.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	269.3	1.7
10°-20°	977.5	6.2
20°-30°	1851.0	11.7
30°-40°	3069.6	19.4
40°-50°	4193.2	26.5
50°-60°	3806.4	24.0
60°-70°	1267.6	8.0
70°-80°	369.7	2.3
80°-90°	38.8	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°	15843.1	100.0
0°-180°	15843.1	100.0

Coefficient of Utilization



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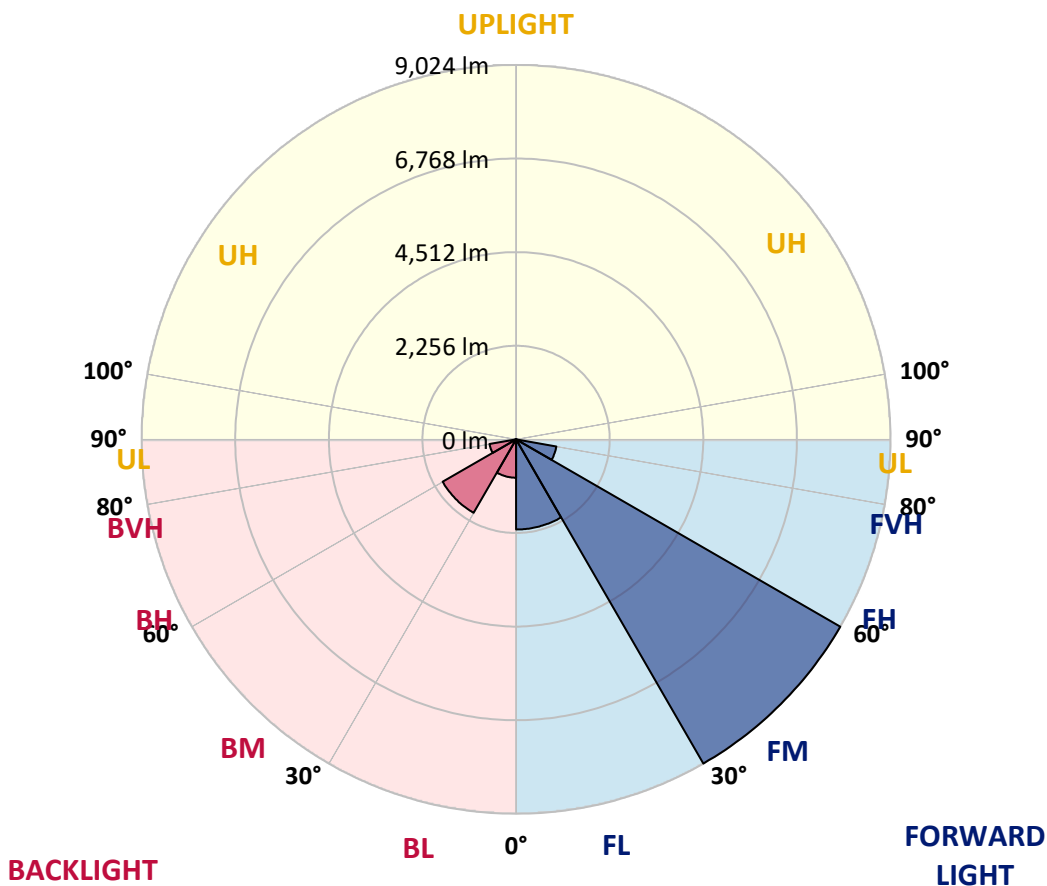
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2172.5	13.7			
FM (30°-60°)	9024.4	57.0			
FH (60°-80°)	986.8	6.2			G1/1800
FVH (80°-90°)	15.2	0.1			G1/100
BL (0°-30°)	925.4	5.8	B2/1000		
BM (30°-60°)	2044.8	12.9	B2/2500		
BH (60°-80°)	650.5	4.1	B2/1000		G2/1000
BVH (80°-90°)	23.6	0.1			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°	55°	59°	65°	75°	85°
0°	2400.3	2400.3	2400.3	2400.3	2400.3	2400.3	2400.3	2400.3	2400.3	2400.3	2400.3
2.5°	3110.1	3133.3	3097.2	3099.8	3009.5	2968.2	2852.0	2783.6	2738.5	2612.0	2497.1
5°	3737.3	3710.2	3681.8	3665.0	3586.3	3475.3	3330.8	3215.9	3110.1	2862.3	2623.6
7.5°	4121.9	4107.7	4088.3	4078.0	4000.6	3884.4	3739.9	3641.8	3488.2	3152.7	2777.2
10°	4448.4	4431.6	4420.0	4427.7	4364.5	4289.6	4132.2	4019.9	3847.0	3459.8	2963.0
12.5°	4701.3	4710.3	4714.2	4755.5	4728.4	4683.2	4520.6	4401.9	4209.6	3783.8	3181.1
15°	4901.3	4898.8	4943.9	5022.7	5066.5	5038.1	4907.8	4808.4	4573.6	4102.5	3416.0
17.5°	4947.8	4950.4	5021.4	5159.4	5302.7	5372.4	5298.8	5180.1	4947.8	4417.4	3659.9
20°	4985.2	4990.4	5063.9	5221.4	5430.5	5625.3	5636.9	5551.8	5351.7	4758.1	3907.7
22.5°	5221.4	5233.0	5252.4	5351.7	5540.1	5786.6	5922.1	5904.1	5736.3	5115.6	4174.8
25°	5842.1	5807.3	5713.1	5684.7	5756.9	5957.0	6188.0	6222.8	6140.2	5509.2	4462.6
27.5°	6608.7	6571.3	6431.9	6284.8	6128.6	6198.3	6444.8	6549.3	6550.6	5942.8	4751.6
30°	7304.3	7274.6	7161.0	6950.7	6681.0	6580.3	6762.3	6902.9	6986.8	6443.5	5080.7
32.5°	7899.2	7872.1	7718.5	7546.9	7283.6	7081.0	7146.8	7282.3	7478.5	7091.3	5489.8
35°	8399.9	8372.8	8225.7	8052.8	7808.9	7687.5	7664.3	7757.2	8011.5	7767.6	5959.6
37.5°	8806.4	8779.3	8625.7	8463.1	8277.3	8285.1	8319.9	8365.1	8510.9	8491.5	6461.6
40°	9069.7	9041.3	8931.6	8815.4	8698.0	8790.9	8963.9	8909.7	8987.1	9076.1	6923.6
42.5°	9187.1	9151.0	9087.7	9061.9	9025.8	9170.3	9503.3	9449.1	9356.2	9465.9	7266.8
45°	9069.7	9038.7	9037.4	9116.1	9200.0	9385.9	9876.2	9832.4	9597.5	9654.3	7472.0
47.5°	8709.6	8682.5	8756.1	8962.6	9169.0	9440.1	10042.7	10050.5	9769.1	9733.0	7605.0
50°	7931.5	7913.4	8126.3	8517.3	8873.5	9271.0	9989.8	10078.9	9810.4	9708.5	7588.2
52.5°	6349.3	6433.2	6896.5	7549.5	8241.2	8974.2	9793.7	9909.8	9611.7	9547.2	7497.8
55°	4346.4	4385.1	4848.4	5802.1	6899.0	8331.5	9343.3	9522.6	9376.8	9520.1	7592.0
57.5°	2250.6	2281.6	2646.8	3493.4	4679.4	6584.2	8092.8	8681.2	8903.2	9656.9	7885.0
60°	924.0	949.8	1100.8	1509.9	2360.3	3834.1	5824.1	6696.4	7217.8	8819.3	7002.3
62.5°	671.1	684.0	756.2	900.8	1236.3	1879.0	3296.0	3617.3	3983.8	5527.2	4445.8
65°	565.2	579.4	637.5	725.3	902.1	1152.4	1407.9	1415.7	1560.2	2251.9	1648.0
67.5°	473.6	486.5	538.1	613.0	729.1	818.2	756.2	757.5	754.9	816.9	789.8
70°	369.1	379.4	431.0	511.0	571.7	525.2	591.1	654.3	627.2	651.7	689.1
72.5°	269.7	281.3	326.5	387.2	371.7	374.2	478.8	543.3	527.8	554.9	589.8
75°	194.9	202.6	225.8	193.6	203.9	246.5	336.8	371.7	387.2	410.4	441.4
77.5°	63.2	63.2	71.0	89.0	111.0	136.8	171.6	185.8	209.1	234.9	256.8
80°	32.3	33.6	40.0	49.0	61.9	78.7	100.7	107.1	118.7	132.9	142.0
82.5°	15.5	16.8	19.4	24.5	32.3	41.3	55.5	61.9	69.7	78.7	85.2
85°	3.9	3.9	5.2	7.7	10.3	15.5	20.6	24.5	31.0	37.4	41.3
87.5°	0.0	0.0	0.0	0.0	0.0	1.3	3.9	5.2	6.5	7.7	10.3
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°	2400.3	2400.3	2400.3	2400.3	2400.3	2400.3	2400.3	2400.3	2400.3	2400.3	2400.3
2.5°	2445.5	2373.2	2280.3	2201.6	2129.3	2073.8	2026.1	2002.9	1980.9	1965.4	1970.6
5°	2512.6	2388.7	2215.8	2095.8	2022.2	1984.8	1959.0	1946.1	1943.5	1933.2	1929.3
7.5°	2610.7	2433.9	2202.9	2081.6	2032.5	2013.2	1999.0	1991.3	1995.1	1984.8	1980.9
10°	2732.0	2508.7	2235.2	2128.0	2085.5	2071.3	2055.8	2045.5	2040.3	2024.8	2022.2
12.5°	2883.0	2601.7	2293.2	2187.4	2144.8	2120.3	2099.7	2081.6	2070.0	2050.6	2045.5
15°	3045.6	2704.9	2361.6	2245.5	2195.2	2159.0	2125.5	2098.4	2077.7	2051.9	2048.0
17.5°	3222.4	2813.3	2418.4	2285.5	2221.0	2173.2	2124.2	2084.2	2055.8	2022.2	2018.4
20°	3406.9	2923.0	2461.0	2304.8	2222.3	2157.7	2091.9	2039.0	2002.9	1969.3	1966.7
22.5°	3597.9	3023.7	2486.8	2299.7	2201.6	2121.6	2042.9	1983.5	1940.9	1900.9	1898.3
25°	3790.2	3120.4	2493.3	2279.0	2160.3	2067.4	1988.7	1919.0	1871.2	1826.1	1820.9
27.5°	3985.1	3201.7	2477.8	2237.7	2104.8	2004.2	1925.4	1857.0	1808.0	1762.8	1755.1
30°	4192.9	3271.4	2444.2	2183.5	2040.3	1937.0	1859.6	1808.0	1761.5	1716.4	1708.6
32.5°	4414.8	3332.1	2396.5	2117.7	1965.4	1869.9	1813.2	1766.7	1720.2	1680.2	1672.5
35°	4679.4	3372.1	2325.5	2032.5	1895.8	1820.9	1782.2	1728.0	1671.2	1627.3	1623.5
37.5°	4953.0	3403.1	2240.3	1951.2	1835.1	1792.5	1760.3	1686.7	1615.7	1562.8	1556.4
40°	5217.5	3428.9	2134.5	1875.1	1779.6	1771.9	1728.0	1636.4	1513.8	1454.4	1449.2
42.5°	5464.0	3436.6	2023.5	1793.8	1729.3	1725.4	1676.4	1534.4	1440.2	1402.8	1397.6
45°	5633.1	3430.2	1908.7	1717.7	1678.9	1658.3	1606.7	1460.9	1402.8	1369.2	1362.8
47.5°	5758.2	3396.6	1779.6	1637.7	1622.2	1593.8	1482.8	1414.4	1360.2	1326.6	1320.2
50°	5736.3	3257.2	1649.3	1560.2	1553.8	1529.2	1392.5	1356.3	1308.6	1272.4	1267.3
52.5°	5622.7	2992.7	1516.3	1475.0	1488.0	1440.2	1327.9	1286.6	1245.3	1204.0	1195.0
55°	5651.1	2801.7	1415.7	1392.5	1415.7	1307.3	1255.7	1211.8	1173.1	1133.1	1125.3
57.5°	5775.0	2613.3	1308.6	1303.4	1327.9	1205.3	1162.7	1107.3	1051.8	1019.5	1019.5
60°	4849.7	1904.8	1120.2	1133.1	1188.6	1122.7	1085.3	1028.5	967.9	939.5	939.5
62.5°	2867.5	1195.0	929.2	915.0	949.8	991.1	1011.8	965.3	893.0	855.6	856.9
65°	1263.4	869.8	819.5	807.9	797.5	825.9	882.7	886.6	810.4	766.6	767.9
67.5°	778.2	787.2	766.6	757.5	748.5	743.3	738.2	740.8	720.1	680.1	678.8
70°	702.0	726.6	712.4	704.6	693.0	684.0	653.0	602.7	567.8	557.5	569.1
72.5°	604.0	637.5	629.8	625.9	611.7	589.8	548.5	499.4	458.1	432.3	437.5
75°	455.5	482.6	486.5	487.8	472.3	451.7	409.1	367.8	331.7	304.6	311.0
77.5°	262.0	277.5	281.3	285.2	273.6	265.8	237.5	207.8	188.4	160.0	167.8
80°	145.8	152.3	152.3	153.6	147.1	138.1	118.7	101.9	92.9	80.0	81.3
82.5°	87.8	90.3	91.6	92.9	89.0	80.0	65.8	54.2	49.0	42.6	41.3
85°	42.6	45.2	45.2	46.5	40.0	34.8	27.1	20.6	18.1	12.9	14.2
87.5°	10.3	11.6	11.6	10.3	9.0	6.5	3.9	1.3	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)