

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: P635202

Luminaire Tested: GWS-SA3D-730-U-T3R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635202
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-18)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-730-U-T3R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12544.9 lumens
Efficiency: N/A
Efficacy: 103.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

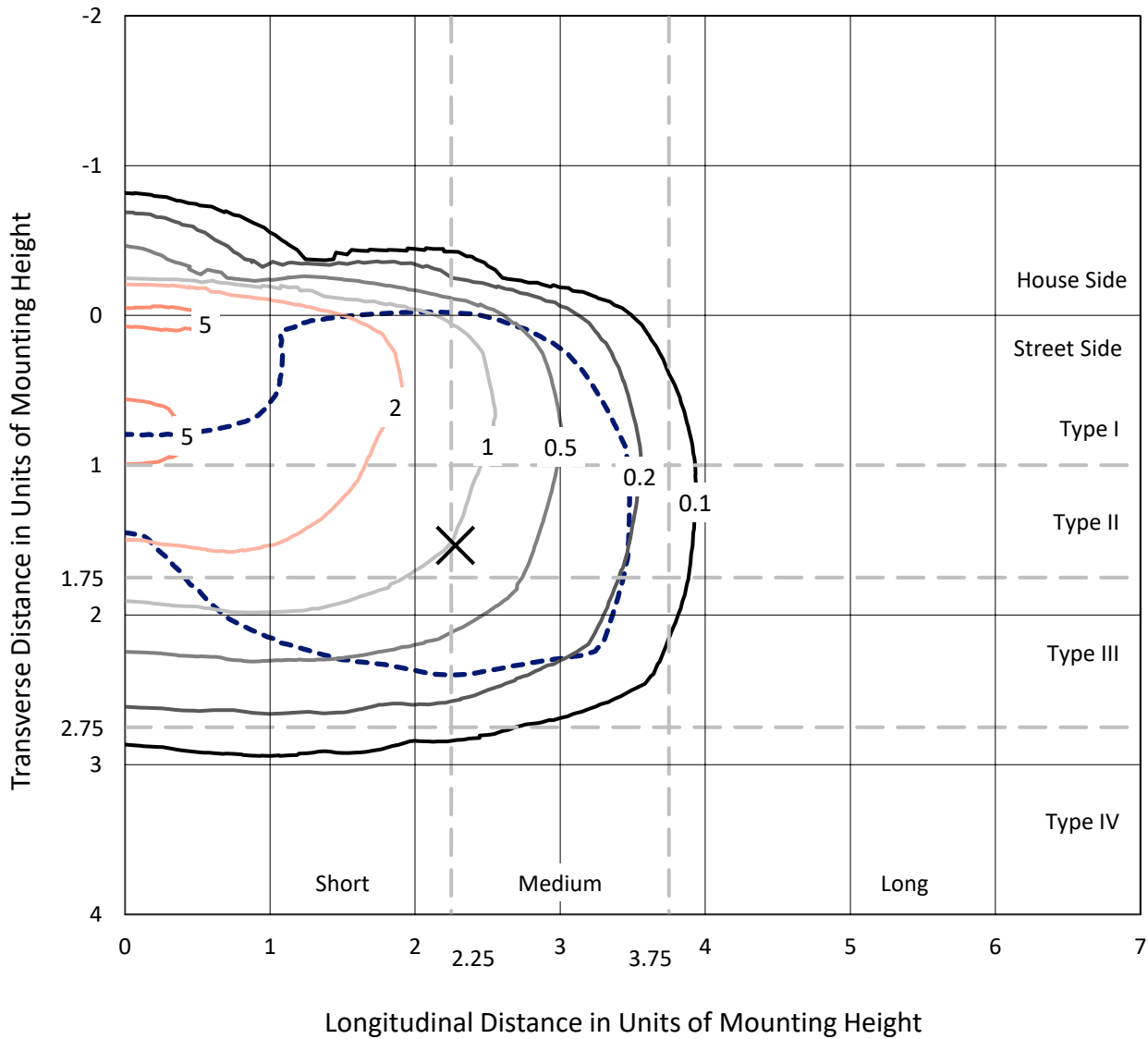
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

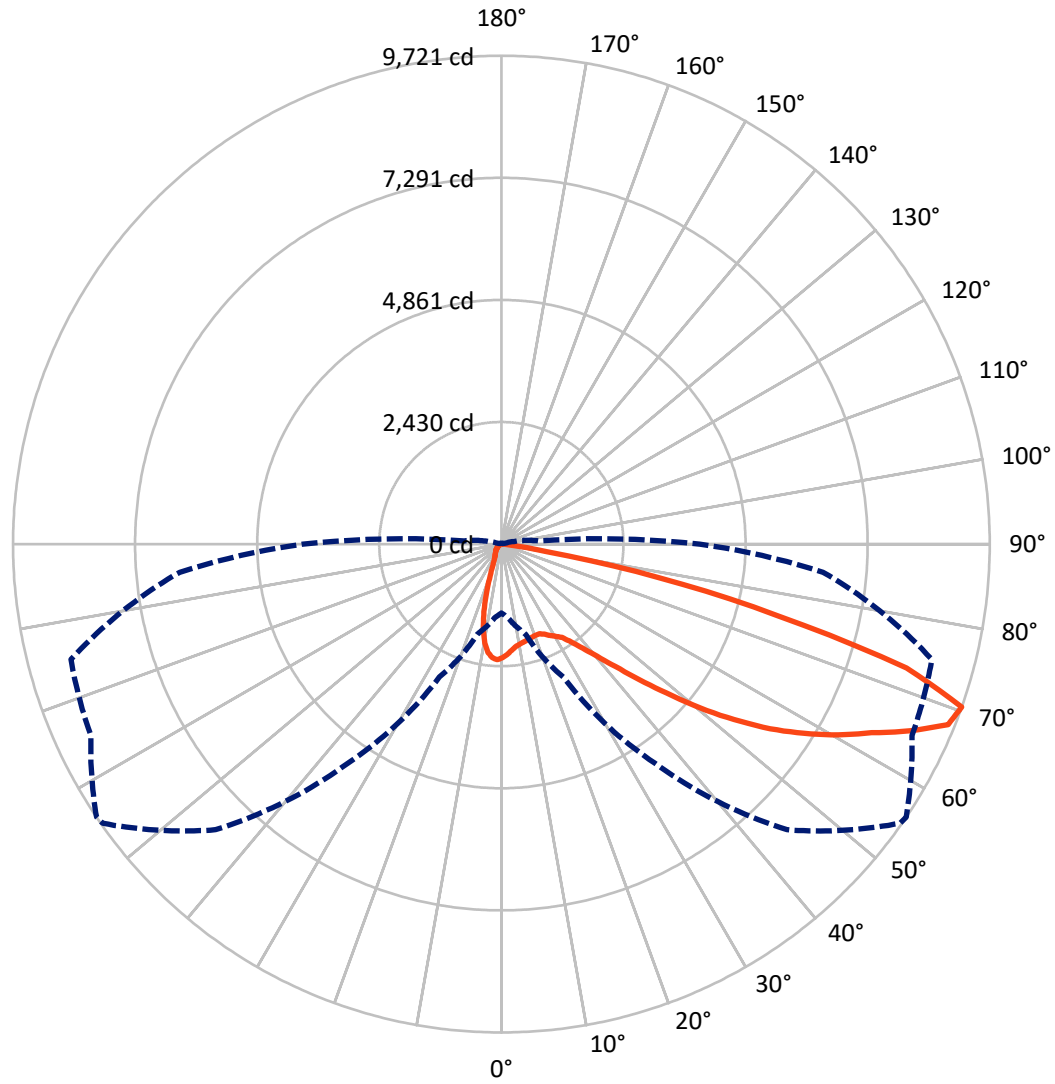
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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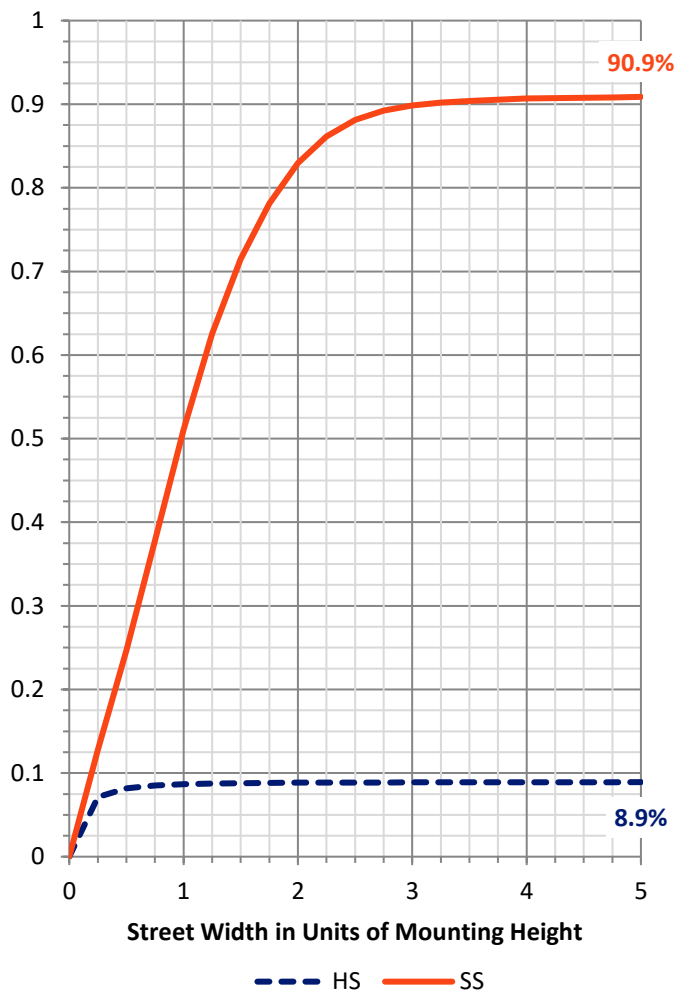
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1126.8	0.0	1126.8
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	11418.1	0.0	11418.1
	% Fixture	91.0	0.0	91.0
Total	Lumens	12544.9	0.0	12544.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.2	1.5
10°-20°	436.8	3.5
20°-30°	691.9	5.5
30°-40°	1193.2	9.5
40°-50°	2014.9	16.1
50°-60°	2960.5	23.6
60°-70°	3509.8	28.0
70°-80°	1496.7	11.9
80°-90°	47.0	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°	12544.9	100.0
0°-180°	12544.9	100.0

Coefficient of Utilization



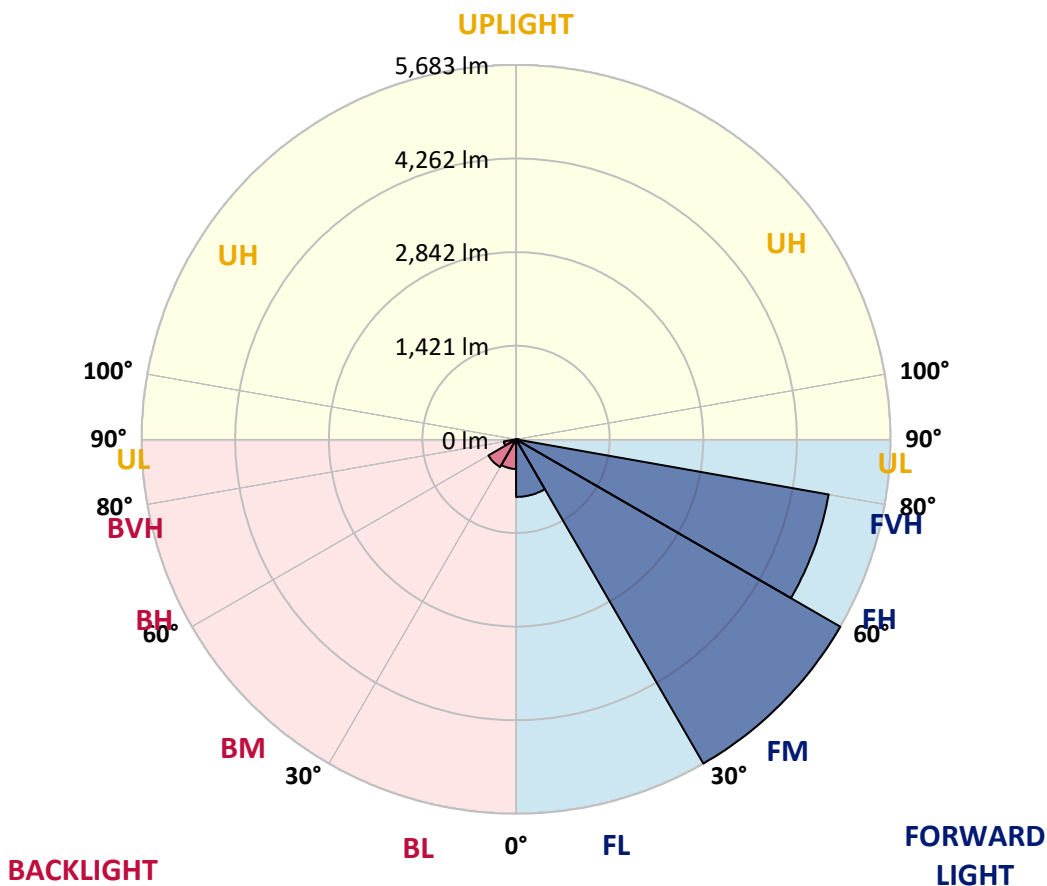
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	874.2	7.0			
FM (30°-60°)	5683.2	45.3			
FH (60°-80°)	4818.6	38.4			G2/5000
FVH (80°-90°)	42.2	0.3			G1/100
BL (0°-30°)	448.7	3.6	B1/500		
BM (30°-60°)	485.3	3.9	B1/1000		
BH (60°-80°)	187.9	1.5	B1/500		G1/500
BVH (80°-90°)	4.8	0.0			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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	2262.0	2262.0	2262.0	2262.0	2262.0	2262.0	2262.0	2262.0	2262.0	2262.0	2262.0
2.5°	2105.7	2102.3	2104.6	2121.8	2154.0	2168.9	2194.2	2198.8	2219.5	2245.9	2256.2
5°	1969.0	1957.5	1963.3	1987.4	2024.2	2065.5	2112.6	2125.3	2177.0	2235.5	2279.2
7.5°	1843.8	1831.2	1845.0	1882.9	1934.6	1979.4	2049.4	2057.5	2140.2	2243.6	2322.9
10°	1647.4	1650.8	1678.4	1745.0	1824.3	1917.3	2011.5	2023.0	2125.3	2270.0	2392.9
12.5°	1496.9	1488.8	1518.7	1594.5	1706.0	1841.5	1982.8	1997.7	2126.4	2310.2	2482.5
15°	1426.8	1424.5	1437.1	1492.3	1600.3	1759.9	1956.4	1975.9	2141.3	2347.0	2567.6
17.5°	1429.1	1425.7	1424.5	1456.7	1537.1	1699.1	1927.7	1952.9	2154.0	2387.2	2657.2
20°	1529.0	1513.0	1484.2	1469.3	1517.6	1660.0	1908.1	1936.9	2172.4	2429.7	2752.5
22.5°	1738.1	1743.9	1666.9	1586.5	1563.5	1664.6	1905.8	1939.2	2212.6	2496.3	2869.7
25°	2156.3	2147.1	2004.6	1824.3	1699.1	1717.4	1946.1	1986.3	2291.8	2591.7	2980.0
27.5°	2680.1	2688.2	2492.9	2205.7	1943.8	1826.6	2019.6	2059.8	2383.7	2651.4	3053.5
30°	3251.1	3243.0	3034.0	2715.7	2290.7	2008.1	2093.1	2128.7	2429.7	2683.6	3129.3
32.5°	3791.0	3772.6	3565.9	3232.7	2733.0	2294.1	2194.2	2214.9	2490.6	2753.7	3231.6
35°	4251.7	4250.5	4070.2	3715.2	3187.9	2652.6	2367.7	2384.9	2604.3	2865.1	3382.0
37.5°	4727.3	4711.2	4509.0	4185.0	3655.5	3045.4	2633.0	2626.1	2783.5	3029.4	3567.0
40°	5117.9	5107.5	4952.4	4641.1	4141.4	3479.7	2954.7	2934.0	2996.0	3256.8	3824.3
42.5°	5407.4	5408.5	5360.3	5170.7	4656.1	3981.7	3359.1	3326.9	3325.8	3600.3	4164.4
45°	5626.8	5641.7	5714.1	5685.4	5263.8	4566.4	3877.2	3843.9	3787.6	4046.0	4553.8
47.5°	5729.0	5748.6	5966.8	6081.7	5795.7	5146.6	4494.1	4424.0	4313.7	4638.8	4989.2
50°	5718.7	5753.2	6057.6	6406.8	6278.1	5734.8	5166.1	5132.8	4952.4	5266.1	5420.0
52.5°	5484.3	5557.9	6063.3	6604.4	6649.2	6277.0	5861.1	5799.1	5711.8	5920.9	5824.4
55°	4847.9	4937.5	5820.9	6667.6	6938.7	6750.3	6541.2	6490.7	6345.9	6538.9	6177.1
57.5°	4502.1	4579.1	5310.9	6636.6	7184.5	7188.0	7146.6	7105.3	6985.8	7150.1	6590.6
60°	4294.2	4371.2	5038.6	6522.8	7407.4	7649.8	7715.3	7710.7	7538.4	7845.1	7075.4
62.5°	3989.8	4095.4	4754.9	6227.6	7565.9	8104.7	8302.3	8271.3	8079.5	8568.8	7555.6
65°	3375.2	3467.1	4173.6	5740.5	7472.9	8481.5	8938.8	8954.8	8733.1	9250.1	7934.7
67.5°	2366.5	2434.3	3136.2	4718.1	6841.1	8605.6	9590.1	9589.0	9211.0	9599.3	7767.0
70°	1371.7	1464.7	1853.0	2916.8	5322.4	8041.5	9687.8	9721.1	9016.9	8869.8	6427.5
72.5°	530.7	607.7	1050.0	1549.7	2775.5	6159.8	8333.3	8431.0	7546.4	6842.2	4473.4
75°	158.5	176.9	494.0	824.8	1114.3	2975.4	5641.7	5669.3	5176.5	4267.8	2293.0
77.5°	118.3	131.0	216.0	417.0	390.6	901.8	2919.1	3187.9	2747.9	1524.4	631.8
80°	80.4	95.3	153.9	203.3	144.7	240.1	820.2	900.7	838.6	342.3	158.5
82.5°	35.6	46.0	109.1	102.2	52.8	68.9	252.7	268.8	173.5	103.4	55.1
85°	3.4	4.6	41.4	44.8	19.5	16.1	52.8	52.8	37.9	35.6	23.0
87.5°	0.0	0.0	1.1	2.3	2.3	3.4	4.6	5.7	6.9	9.2	11.5
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°	2262.0	2262.0	2262.0	2262.0	2262.0	2262.0	2262.0	2262.0	2262.0	2262.0	2262.0
2.5°	2282.6	2268.9	2286.1	2299.9	2303.3	2278.1	2263.1	2241.3	2236.7	2237.8	2232.1
5°	2313.7	2306.8	2319.4	2304.5	2265.4	2191.9	2128.7	2058.6	2020.7	1998.9	1996.6
7.5°	2371.1	2367.7	2353.9	2286.1	2164.3	2001.2	1843.8	1689.9	1594.5	1560.1	1554.3
10°	2456.1	2449.2	2392.9	2232.1	1972.5	1658.9	1394.6	1174.1	1039.7	1000.6	952.3
12.5°	2553.8	2540.0	2417.1	2116.1	1683.0	1248.7	919.0	672.0	556.0	521.6	521.6
15°	2648.0	2618.1	2403.3	1924.2	1326.9	812.2	513.5	388.3	352.7	343.5	343.5
17.5°	2744.5	2687.0	2349.3	1662.3	916.7	480.2	342.3	318.2	313.6	314.8	315.9
20°	2835.2	2745.6	2253.9	1347.5	584.7	335.4	306.7	301.0	298.7	301.0	299.8
22.5°	2934.0	2799.6	2109.2	1004.0	380.3	302.1	291.8	287.2	284.9	288.3	288.3
25°	3031.7	2838.7	1917.3	675.5	302.1	281.5	275.7	271.1	268.8	270.0	270.0
27.5°	3082.2	2823.7	1665.7	430.8	271.1	260.8	255.0	249.3	245.8	244.7	245.8
30°	3116.7	2777.8	1357.9	306.7	245.8	233.2	227.5	222.9	213.7	207.9	210.2
32.5°	3170.7	2731.8	1023.6	257.3	225.2	205.6	196.4	185.0	172.3	166.6	166.6
35°	3235.0	2668.6	718.0	232.1	203.3	182.7	165.4	145.9	131.0	126.4	126.4
37.5°	3320.0	2608.9	477.9	214.8	185.0	163.1	139.0	116.0	99.9	97.6	96.5
40°	3447.5	2558.4	336.6	202.2	168.9	142.5	113.7	89.6	78.1	74.7	74.7
42.5°	3613.0	2506.7	266.5	189.6	155.1	122.9	90.8	71.2	62.0	59.7	58.6
45°	3817.4	2445.8	232.1	178.1	141.3	102.2	72.4	59.7	52.8	50.5	50.5
47.5°	4039.2	2363.1	216.0	163.1	125.2	82.7	60.9	51.7	48.2	47.1	46.0
50°	4257.4	2251.6	202.2	149.3	106.8	67.8	52.8	47.1	44.8	43.7	43.7
52.5°	4448.1	2121.8	185.0	133.3	87.3	58.6	47.1	43.7	41.4	39.1	37.9
55°	4611.3	1980.5	163.1	114.9	71.2	51.7	43.7	40.2	37.9	35.6	34.5
57.5°	4821.5	1900.1	131.0	93.1	58.6	46.0	40.2	36.8	34.5	31.0	31.0
60°	5054.7	1841.5	97.6	73.5	50.5	42.5	36.8	33.3	31.0	27.6	27.6
62.5°	5241.9	1754.2	77.0	59.7	43.7	37.9	33.3	29.9	27.6	24.1	24.1
65°	5313.2	1573.8	63.2	47.1	35.6	33.3	29.9	27.6	24.1	20.7	20.7
67.5°	4991.5	1213.1	52.8	37.9	29.9	28.7	26.4	25.3	20.7	18.4	17.2
70°	3953.0	739.8	43.7	31.0	25.3	24.1	24.1	21.8	18.4	17.2	16.1
72.5°	2708.9	381.4	35.6	25.3	21.8	21.8	20.7	19.5	17.2	16.1	16.1
75°	1407.3	127.5	27.6	19.5	17.2	18.4	18.4	17.2	16.1	16.1	14.9
77.5°	403.2	57.4	20.7	14.9	13.8	13.8	14.9	14.9	14.9	13.8	13.8
80°	104.5	33.3	14.9	11.5	11.5	11.5	11.5	12.6	13.8	12.6	12.6
82.5°	42.5	18.4	10.3	9.2	9.2	9.2	9.2	10.3	11.5	11.5	11.5
85°	26.4	9.2	8.0	8.0	8.0	6.9	6.9	8.0	8.0	9.2	9.2
87.5°	16.1	6.9	6.9	6.9	6.9	5.7	5.7	5.7	5.7	5.7	5.7
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)