

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: P634289

Luminaire Tested: GWS-SA3B-740-U-SL2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634289
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-740-U-SL2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6107.6 lumens
Efficiency: N/A
Efficacy: 89.4 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

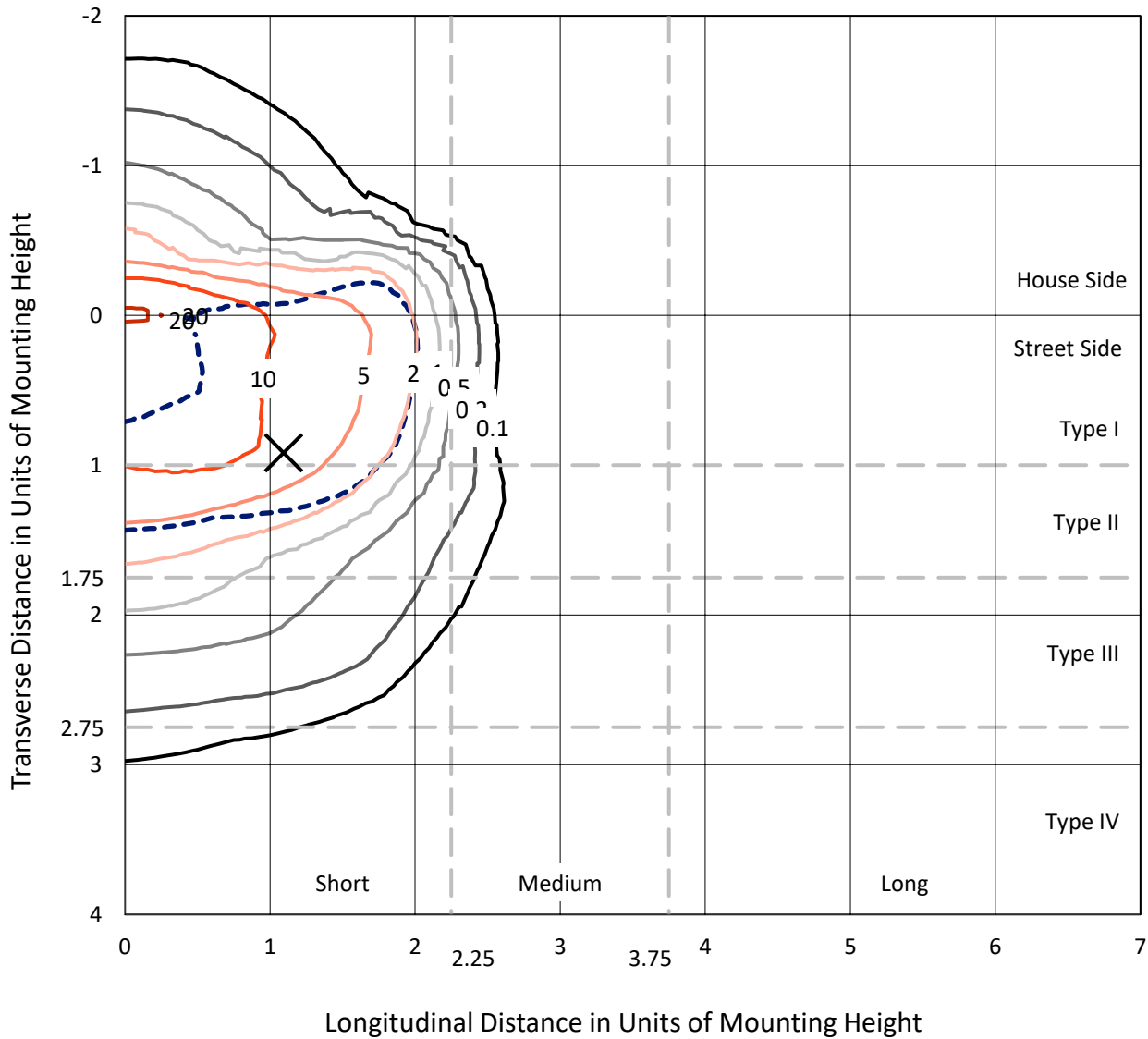
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

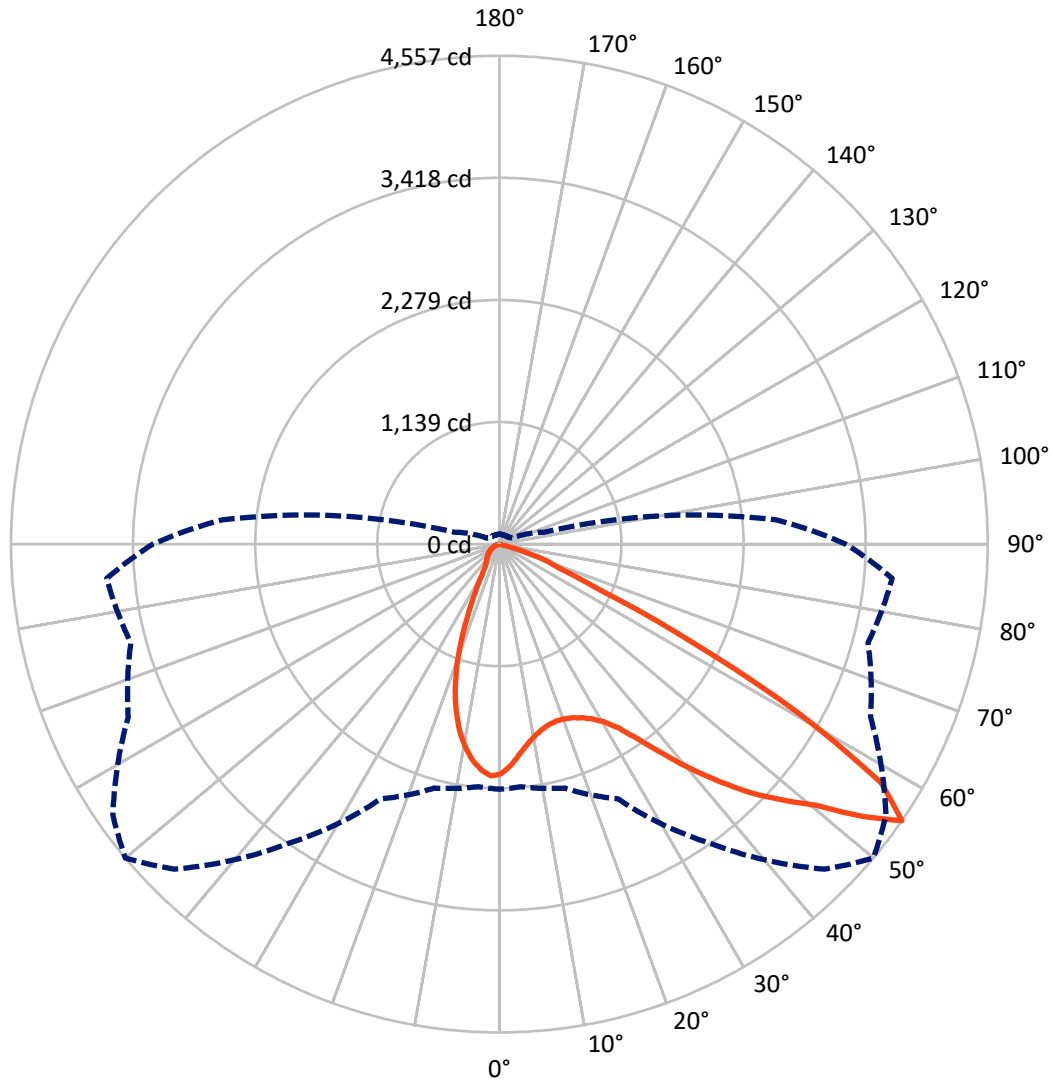
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 21.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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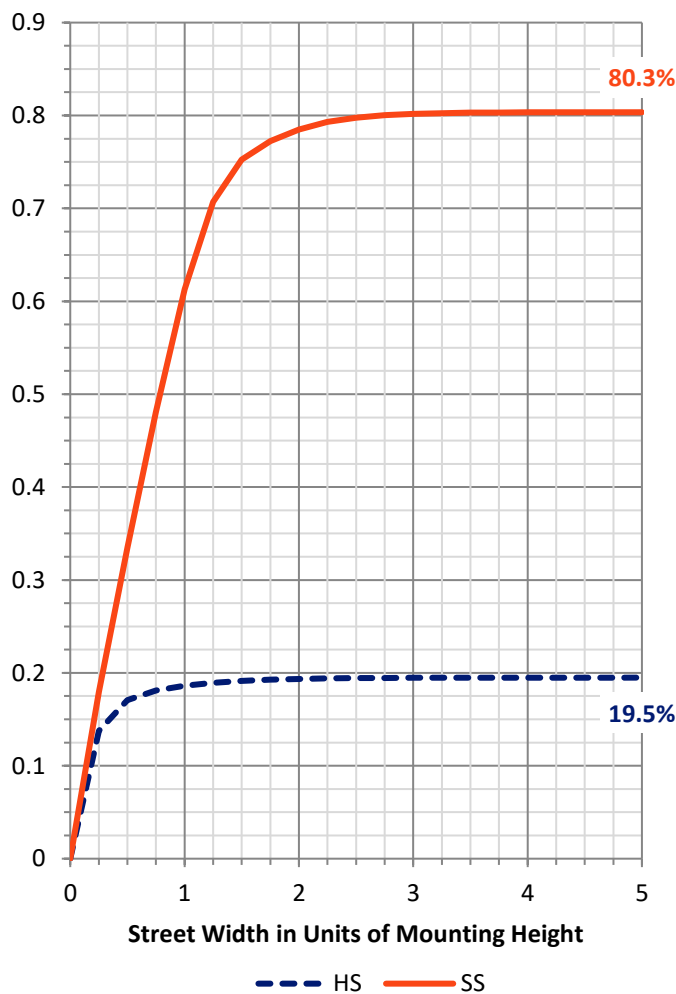
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1203.5	0.0	1203.5
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	4904.1	0.0	4904.1
	% Fixture	80.3	0.0	80.3
Total	Lumens	6107.6	0.0	6107.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.2	3.1
10°-20°	463.1	7.6
20°-30°	653.2	10.7
30°-40°	966.6	15.8
40°-50°	1394.6	22.8
50°-60°	1645.0	26.9
60°-70°	733.8	12.0
70°-80°	63.1	1.0
80°-90°	0.0	0.0
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°	6107.6	100.0
0°-180°	6107.6	100.0

Coefficient of Utilization



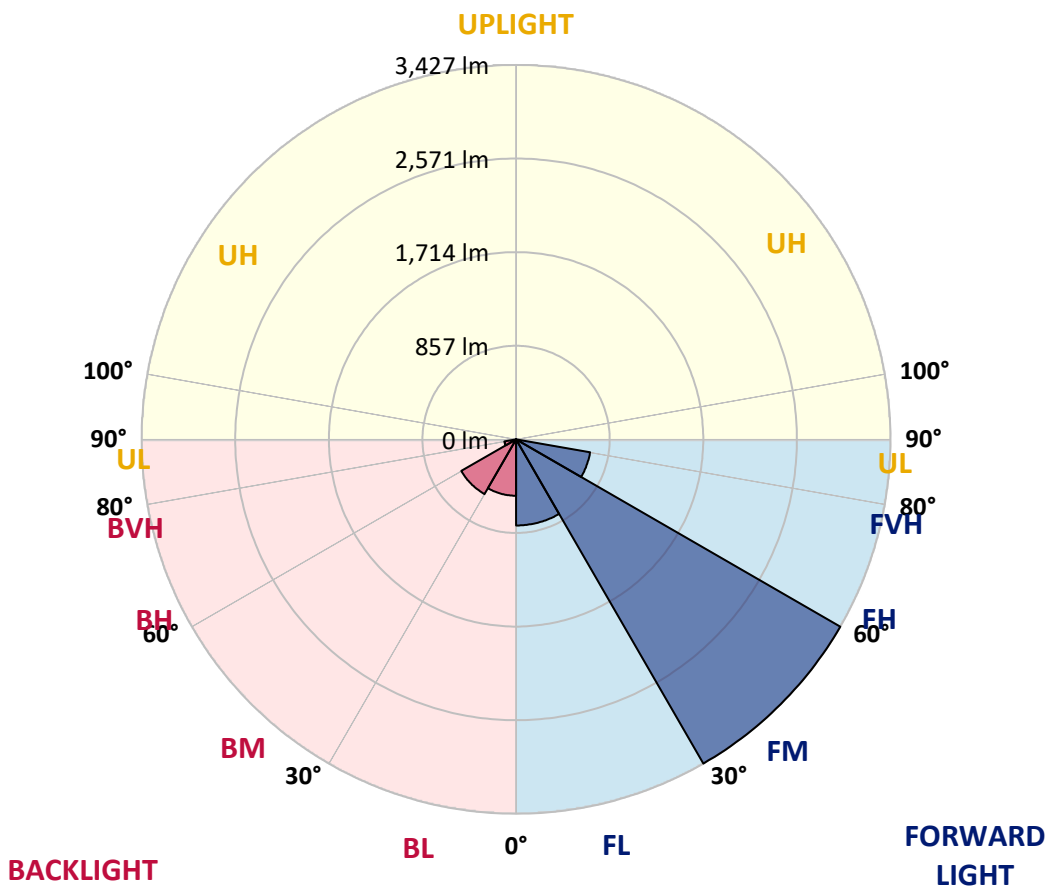
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	788.5	12.9			
FM (30°-60°)	3427.4	56.1			
FH (60°-80°)	688.2	11.3			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	516.0	8.4	B2/1000		
BM (30°-60°)	578.8	9.5	B1/1000		
BH (60°-80°)	108.7	1.8	B0/110		G0/110
BVH (80°-90°)	0.0	0.0			G0/10
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°	50°	55°	65°	75°	85°
0°	2142.9	2142.9	2142.9	2142.9	2142.9	2142.9	2142.9	2142.9	2142.9	2142.9	2142.9
2.5°	1990.8	1992.3	1993.0	2013.1	2020.6	2050.4	2066.1	2074.3	2095.9	2121.3	2142.1
5°	1857.3	1855.1	1858.8	1884.2	1900.6	1944.6	1968.4	1984.8	2032.5	2092.2	2142.1
7.5°	1741.0	1745.5	1749.9	1777.5	1802.1	1849.9	1884.2	1908.8	1975.1	2063.9	2148.1
10°	1659.0	1659.0	1665.7	1697.0	1726.1	1785.0	1819.3	1850.6	1929.6	2038.5	2154.8
12.5°	1598.6	1599.3	1607.5	1643.3	1676.9	1738.0	1773.8	1804.4	1891.6	2013.1	2156.3
15°	1570.3	1568.0	1574.7	1612.8	1650.0	1707.4	1744.7	1774.6	1864.8	1999.0	2163.8
17.5°	1562.8	1561.3	1566.5	1603.8	1641.8	1697.8	1734.3	1764.1	1861.0	2003.5	2186.1
20°	1584.4	1581.4	1579.2	1611.3	1647.1	1702.2	1740.3	1773.8	1878.9	2028.1	2220.4
22.5°	1635.9	1635.9	1630.7	1646.3	1670.2	1720.1	1759.6	1803.6	1925.9	2077.3	2271.1
25°	1730.6	1723.1	1713.4	1720.1	1717.1	1748.5	1795.4	1856.6	2014.6	2158.5	2333.0
27.5°	1838.7	1845.4	1829.0	1829.7	1803.6	1792.4	1846.9	1939.3	2146.6	2273.4	2424.7
30°	1985.6	1980.3	1981.1	1978.9	1918.5	1865.5	1924.4	2047.4	2312.9	2448.6	2544.0
32.5°	2100.4	2107.8	2132.4	2146.6	2067.6	1982.6	2045.2	2194.3	2502.3	2648.4	2690.2
35°	2221.9	2235.3	2285.3	2331.5	2265.2	2167.5	2234.6	2388.9	2680.5	2846.0	2857.9
37.5°	2350.2	2377.0	2436.7	2517.9	2507.5	2421.0	2482.1	2617.8	2820.6	2965.3	2996.6
40°	2497.1	2523.1	2620.8	2737.9	2762.5	2743.1	2763.2	2842.3	2913.1	2970.5	3056.3
42.5°	2658.1	2693.9	2817.7	2974.2	3066.7	3083.8	3036.9	3028.7	2953.4	2910.9	3043.6
45°	2848.2	2890.0	3030.2	3233.0	3379.9	3403.0	3321.7	3216.6	2978.7	2866.9	3005.6
47.5°	3061.5	3101.0	3240.4	3484.2	3702.7	3711.7	3570.0	3400.7	3054.0	2917.6	3034.6
50°	3133.1	3157.7	3278.5	3564.8	3967.4	4036.0	3830.9	3608.0	3205.4	3066.7	3176.3
52.5°	2887.0	2896.7	3001.8	3291.1	3913.7	4354.4	4212.0	3917.4	3474.5	3294.1	3394.8
55°	2287.5	2271.9	2356.9	2622.3	3401.5	4289.5	4557.2	4403.6	3821.3	3561.0	3678.8
57.5°	1600.1	1581.4	1562.1	1741.7	2538.1	3636.3	4199.3	4471.4	4151.6	3825.7	3985.3
60°	1315.3	1297.4	1203.4	1120.7	1534.5	2611.1	3225.5	3737.7	4124.7	3812.3	3975.6
62.5°	1136.3	1125.9	1087.8	975.3	902.9	1490.5	2019.9	2510.5	3165.1	2993.6	3002.6
65°	892.5	889.5	915.6	927.5	798.5	824.6	1030.4	1304.8	1711.2	1613.5	1530.0
67.5°	609.9	603.2	652.4	802.3	768.0	650.9	603.2	608.4	740.4	452.6	359.4
70°	387.7	372.1	372.8	497.3	624.8	513.7	465.3	409.3	368.3	67.1	76.1
72.5°	248.3	238.6	205.0	224.4	289.3	250.5	252.8	217.7	145.4	35.8	41.8
75°	104.4	96.2	73.8	58.9	58.2	36.5	32.1	29.8	20.1	20.1	21.6
77.5°	0.7	0.0	0.0	0.7	1.5	0.7	0.7	1.5	3.0	4.5	5.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2142.9	2142.9	2142.9	2142.9	2142.9	2142.9	2142.9	2142.9	2142.9	2142.9	2142.9
2.5°	2154.8	2136.9	2157.1	2164.5	2163.8	2164.5	2142.9	2128.0	2127.2	2108.6	2099.6
5°	2163.0	2148.9	2163.8	2154.1	2131.0	2101.9	2063.1	2029.6	2014.6	1993.0	1982.6
7.5°	2178.7	2163.8	2161.5	2122.8	2065.3	2004.2	1935.6	1874.5	1841.7	1802.1	1804.4
10°	2189.9	2172.7	2143.6	2064.6	1969.2	1871.5	1769.3	1678.4	1621.0	1568.0	1559.1
12.5°	2194.3	2169.0	2101.1	1981.8	1847.6	1720.1	1570.3	1440.5	1351.0	1281.7	1272.0
15°	2202.5	2161.5	2046.7	1881.9	1697.8	1517.3	1326.4	1149.0	1030.4	950.7	957.4
17.5°	2215.2	2153.3	1985.6	1770.1	1536.7	1281.7	1023.7	820.2	711.3	665.1	665.8
20°	2233.1	2143.6	1918.5	1647.1	1343.6	1015.5	715.8	562.2	531.6	530.1	527.9
22.5°	2257.0	2133.9	1846.9	1512.1	1114.7	711.3	476.4	428.7	441.4	466.0	470.5
25°	2285.3	2122.0	1767.1	1360.0	864.9	466.8	357.1	349.7	380.3	413.1	420.5
27.5°	2329.3	2116.0	1676.1	1187.0	606.9	334.8	292.3	296.8	324.3	351.9	358.6
30°	2403.8	2127.2	1577.0	993.2	390.0	266.9	253.5	260.2	275.1	289.3	295.3
32.5°	2505.3	2160.0	1480.8	781.4	278.1	231.9	228.9	232.6	238.6	246.8	249.0
35°	2623.8	2216.7	1381.6	559.2	229.6	211.8	208.8	208.8	211.8	213.2	214.0
37.5°	2721.5	2276.4	1288.4	372.1	205.8	196.1	191.6	189.4	188.6	190.1	190.9
40°	2764.0	2301.0	1187.0	270.7	188.6	181.9	175.2	168.5	168.5	173.7	174.5
42.5°	2734.2	2273.4	1070.0	223.7	176.7	167.0	156.6	150.6	153.6	158.8	160.3
45°	2670.8	2205.5	941.0	197.6	164.8	152.1	140.2	136.4	139.4	146.1	147.6
47.5°	2660.3	2160.8	786.6	180.4	152.1	139.4	126.8	123.0	126.8	132.0	133.5
50°	2764.0	2199.6	615.1	165.5	140.2	126.0	115.6	111.8	114.1	117.1	118.6
52.5°	2953.4	2343.5	496.6	151.4	126.0	112.6	105.9	101.4	101.4	104.4	105.1
55°	3233.0	2594.7	428.7	135.0	109.6	102.1	96.2	91.7	91.7	93.2	93.9
57.5°	3555.1	2898.9	444.4	113.3	96.2	92.5	87.2	83.5	85.0	85.0	85.0
60°	3510.3	2876.6	475.7	95.4	85.0	83.5	79.0	77.5	81.3	78.3	76.8
62.5°	2585.8	1987.1	249.0	78.3	73.1	71.6	68.6	71.6	76.8	68.6	65.6
65°	1255.6	961.8	99.9	64.1	61.9	60.4	58.9	63.4	66.4	53.7	50.7
67.5°	295.3	240.1	64.9	54.4	51.4	48.5	50.0	50.7	48.5	36.5	35.0
70°	76.8	75.3	50.7	45.5	41.0	38.0	38.0	37.3	32.1	23.1	21.6
72.5°	41.8	41.0	36.5	34.3	28.3	25.4	26.1	23.1	17.9	13.4	12.7
75°	20.9	22.4	20.9	19.4	15.7	14.2	14.2	12.7	8.9	5.2	5.2
77.5°	4.5	5.2	5.2	4.5	3.7	3.0	3.0	3.7	1.5	0.0	0.0
80°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)