

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: P635306

Luminaire Tested: GWS-SA3D-740-U-T3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635306
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-740-U-T3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III 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: 10867.1 lumens
Efficiency: N/A
Efficacy: 90.0 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

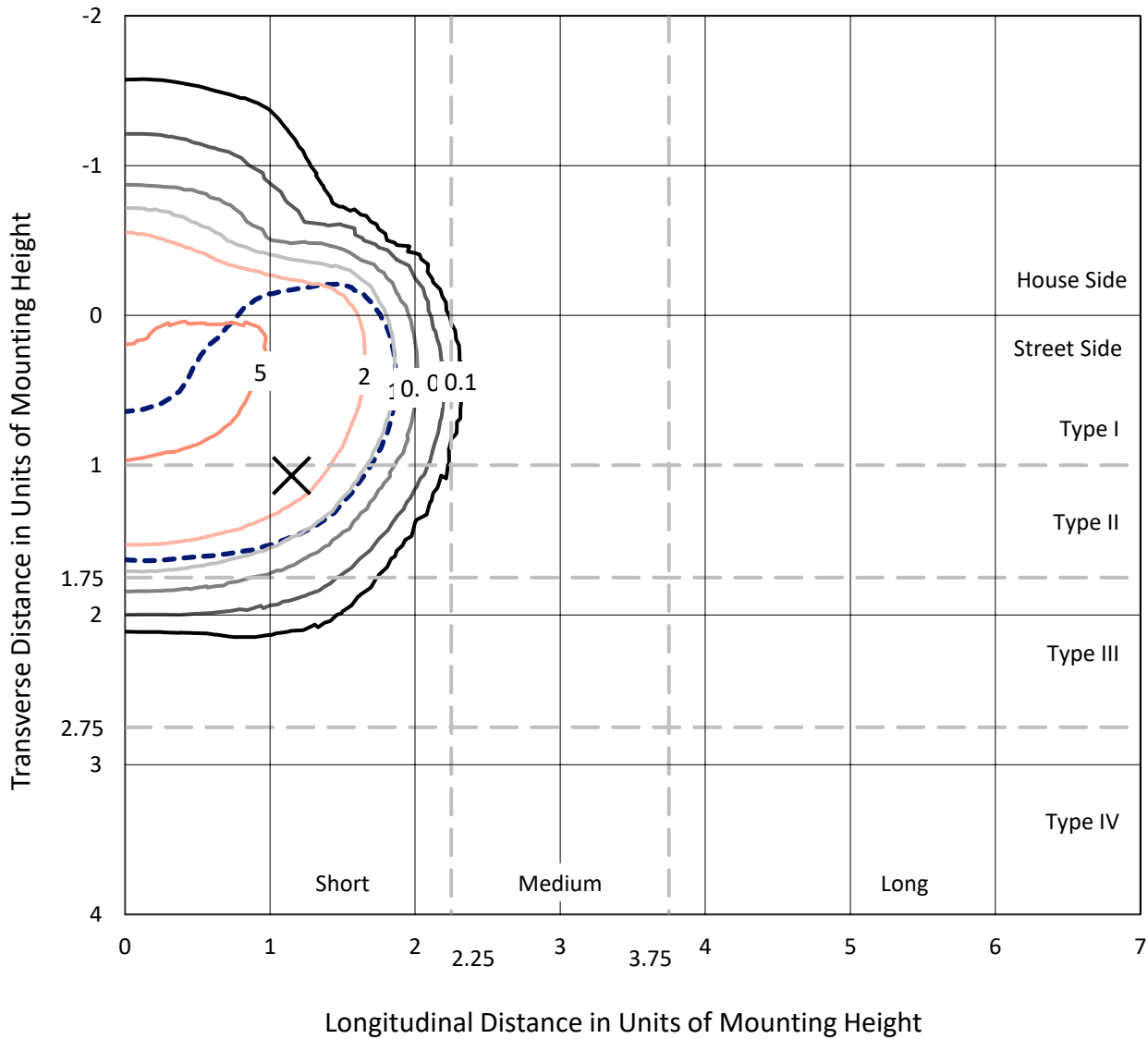
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

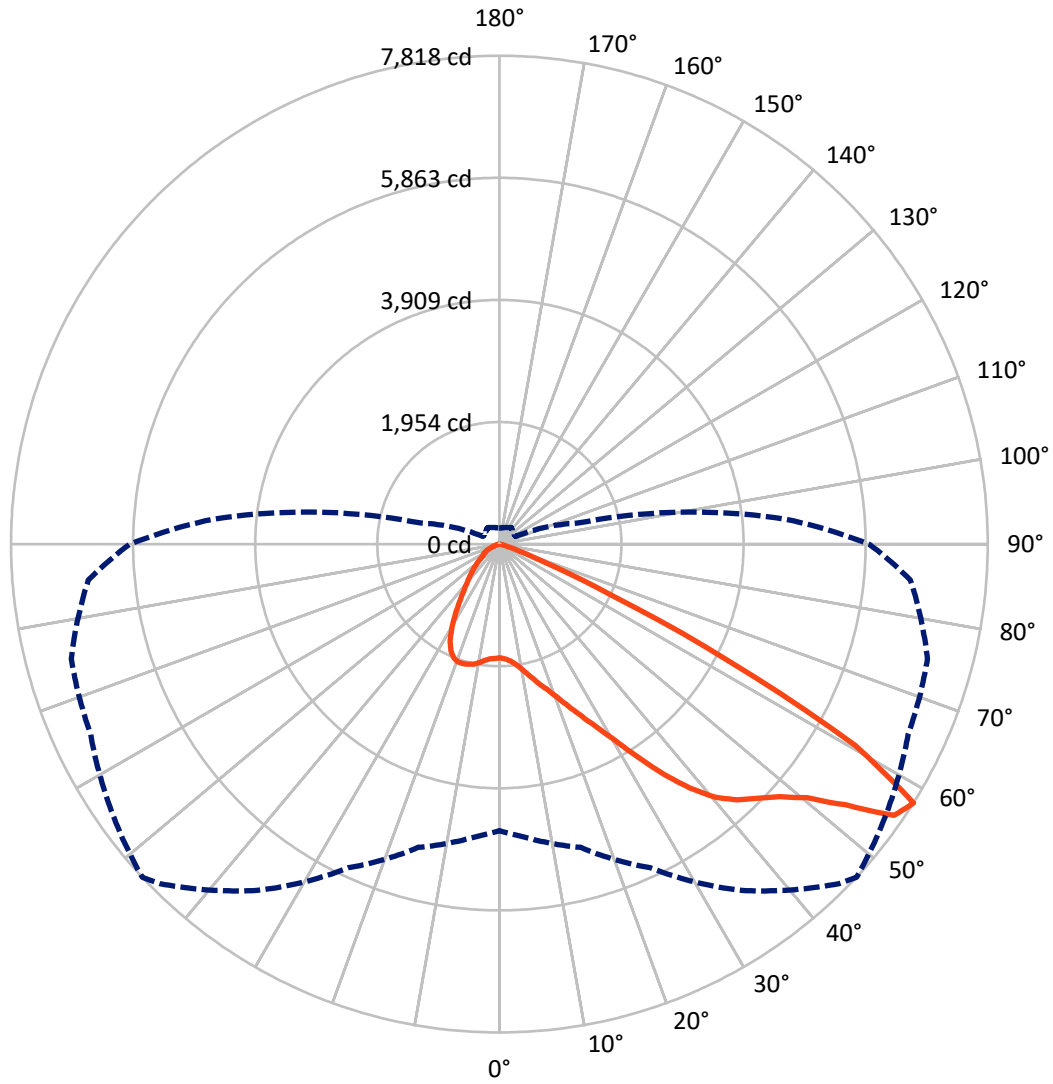
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.4 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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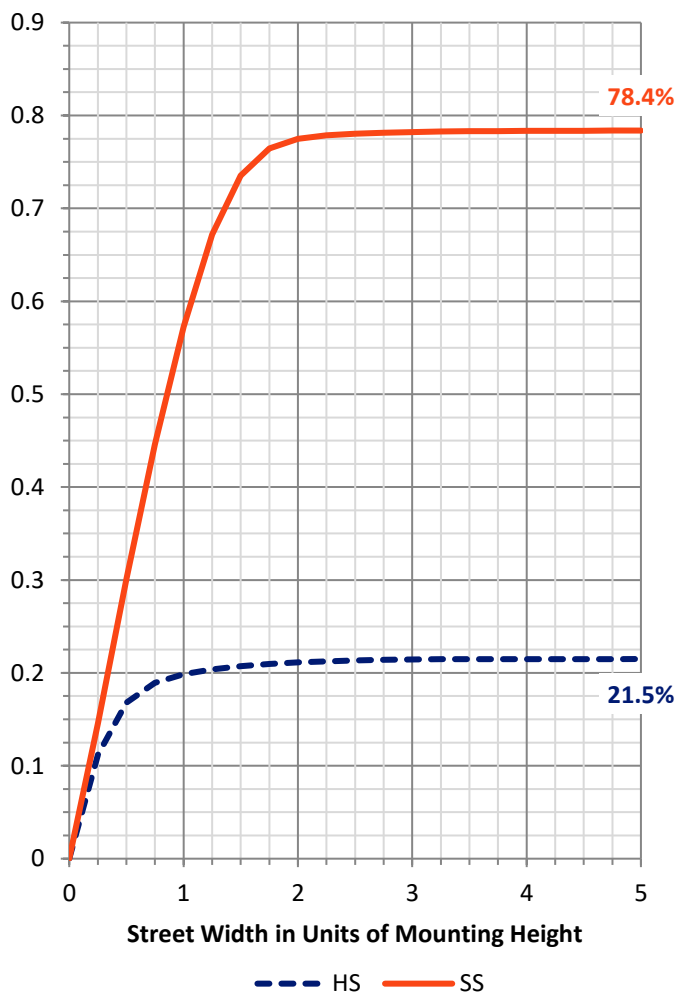
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2357.6	0.0	2357.6
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	8509.5	0.0	8509.5
	% Fixture	78.3	0.0	78.3
Total	Lumens	10867.1	0.0	10867.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.0	1.7
10°-20°	610.7	5.6
20°-30°	1133.9	10.4
30°-40°	1815.2	16.7
40°-50°	2653.4	24.4
50°-60°	3274.7	30.1
60°-70°	1094.2	10.1
70°-80°	102.0	0.9
80°-90°	2.1	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°	10867.1	100.0
0°-180°	10867.1	100.0

Coefficient of Utilization



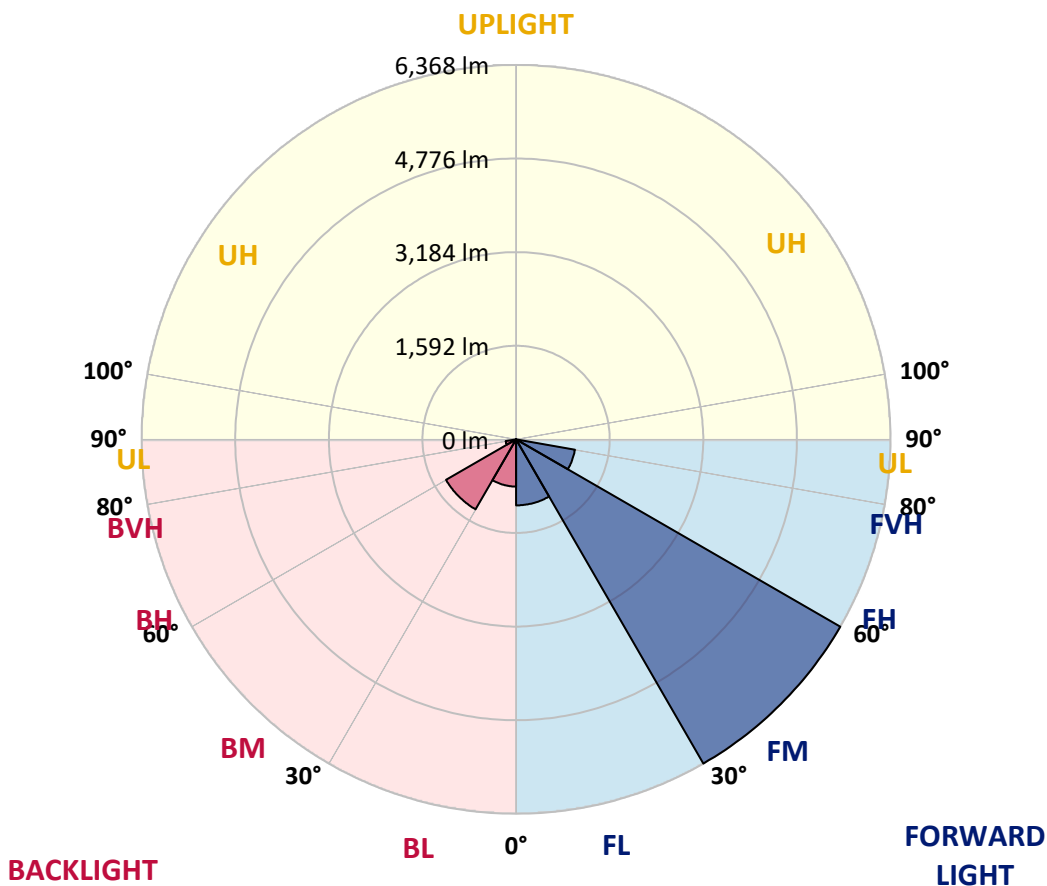
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1123.1	10.3			
FM (30°-60°)	6368.0	58.6			
FH (60°-80°)	1016.9	9.4			G1/1800
FVH (80°-90°)	1.4	0.0			G0/10
BL (0°-30°)	802.5	7.4	B2/1000		
BM (30°-60°)	1375.2	12.7	B2/2500		
BH (60°-80°)	179.2	1.6	B1/500		G1/500
BVH (80°-90°)	0.7	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°	47°	55°	65°	75°	85°
0°	1819.2	1819.2	1819.2	1819.2	1819.2	1819.2	1819.2	1819.2	1819.2	1819.2	1819.2
2.5°	1838.1	1836.8	1835.6	1843.1	1840.6	1839.3	1841.9	1841.9	1841.9	1834.3	1819.2
5°	1882.2	1882.2	1881.0	1888.5	1882.2	1878.5	1879.7	1879.7	1874.7	1860.8	1841.9
7.5°	1951.6	1949.1	1946.6	1954.2	1947.8	1946.6	1949.1	1941.5	1932.7	1910.0	1883.5
10°	2051.3	2051.3	2047.5	2055.1	2050.0	2047.5	2047.5	2042.5	2026.1	1990.7	1951.6
12.5°	2188.8	2182.5	2173.7	2167.4	2164.8	2163.6	2164.8	2157.3	2139.6	2094.2	2039.9
15°	2338.9	2333.9	2320.0	2309.9	2296.0	2293.5	2301.1	2294.8	2277.1	2215.3	2138.3
17.5°	2528.2	2534.5	2499.1	2477.7	2437.3	2434.8	2437.3	2447.4	2434.8	2355.3	2243.0
20°	2689.6	2694.7	2668.2	2653.1	2616.5	2600.1	2605.1	2621.5	2607.6	2514.3	2357.8
22.5°	2862.5	2868.8	2841.0	2809.5	2793.1	2793.1	2812.0	2834.7	2815.8	2693.4	2489.1
25°	3069.4	3074.4	3051.7	3010.1	2981.1	3017.6	3045.4	3106.0	3074.4	2907.9	2644.2
27.5°	3306.5	3307.8	3275.0	3232.1	3217.0	3285.1	3312.8	3406.2	3393.6	3148.8	2808.2
30°	3560.1	3561.4	3553.8	3524.8	3510.9	3600.5	3638.3	3773.3	3764.5	3447.8	3031.5
32.5°	3823.8	3823.8	3837.7	3835.1	3851.5	3997.9	4058.4	4212.3	4203.5	3813.7	3309.1
35°	4088.7	4090.0	4113.9	4174.5	4242.6	4436.9	4516.4	4703.1	4682.9	4251.4	3663.6
37.5°	4390.2	4377.6	4410.4	4501.2	4652.6	4877.2	4952.9	5130.7	5108.0	4699.3	4126.6
40°	4753.5	4730.8	4730.8	4836.8	5008.4	5267.0	5331.3	5419.6	5342.7	5061.4	4580.7
42.5°	5154.7	5133.3	5105.5	5198.9	5342.7	5544.5	5597.5	5573.6	5510.5	5403.2	5097.9
45°	5560.9	5528.1	5547.1	5603.8	5687.1	5783.0	5803.2	5692.1	5663.1	5693.4	5525.6
47.5°	5870.0	5847.3	5894.0	5973.5	6041.6	6055.5	6041.6	5887.7	5885.2	5992.4	5822.1
50°	5973.5	5976.0	6104.7	6278.8	6388.5	6399.9	6381.0	6204.3	6180.4	6211.9	5982.3
52.5°	5983.6	5993.7	6181.6	6513.4	6812.4	6948.7	6933.5	6743.0	6508.4	6474.3	6224.5
55°	5740.1	5799.4	6061.8	6546.2	7182.0	7617.3	7667.7	7303.1	6955.0	6925.9	6745.5
57.5°	4588.3	4709.4	5026.0	5716.1	6769.5	7686.7	7817.9	7555.5	7218.6	7095.0	6605.5
60°	2742.6	2892.7	3196.8	4043.3	5152.2	6317.9	6543.7	6580.3	6425.1	6068.1	5067.7
62.5°	1177.0	1164.4	1539.1	2187.5	3064.3	4015.5	4117.7	4276.7	4411.7	4038.2	3075.7
65°	403.7	439.0	610.6	986.5	1534.1	1864.6	1955.4	2098.0	2289.7	1889.8	1126.6
67.5°	249.8	264.9	352.0	582.8	827.6	815.0	774.6	751.9	731.7	500.8	309.1
70°	181.7	194.3	247.3	401.2	556.3	391.1	339.4	275.0	305.3	281.3	219.5
72.5°	122.4	132.5	170.3	243.5	285.1	190.5	176.6	200.6	242.2	230.9	179.1
75°	73.2	79.5	97.1	118.6	116.1	98.4	99.7	141.3	185.4	172.8	127.4
77.5°	50.5	53.0	64.3	77.0	56.8	30.3	27.8	39.1	63.1	63.1	42.9
80°	12.6	16.4	16.4	10.1	8.8	7.6	7.6	11.4	17.7	12.6	6.3
82.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.5	2.5	2.5	2.5
85°	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	2.5	2.5	2.5
87.5°	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.5	2.5
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°	1819.2	1819.2	1819.2	1819.2	1819.2	1819.2	1819.2	1819.2	1819.2	1819.2	1819.2
2.5°	1828.0	1812.9	1822.9	1820.4	1828.0	1830.5	1819.2	1816.6	1817.9	1802.8	1797.7
5°	1845.7	1828.0	1833.0	1828.0	1836.8	1844.4	1840.6	1845.7	1852.0	1840.6	1835.6
7.5°	1883.5	1865.8	1864.6	1857.0	1869.6	1874.7	1873.4	1887.3	1899.9	1892.3	1884.8
10°	1949.1	1925.1	1922.6	1916.3	1920.1	1923.9	1910.0	1912.5	1923.9	1915.0	1911.3
12.5°	2029.8	2000.8	1994.5	1979.4	1979.4	1960.5	1930.2	1923.9	1932.7	1926.4	1920.1
15°	2116.9	2077.8	2067.7	2041.2	2016.0	1980.6	1949.1	1941.5	1947.8	1940.3	1935.2
17.5°	2214.0	2169.9	2137.1	2090.4	2034.9	1993.3	1957.9	1941.5	1931.4	1916.3	1915.0
20°	2309.9	2251.9	2196.4	2121.9	2048.8	1985.7	1927.7	1884.8	1848.2	1825.5	1816.6
22.5°	2420.9	2335.1	2245.6	2140.9	2036.2	1940.3	1838.1	1764.9	1701.8	1680.4	1670.3
25°	2539.5	2428.5	2294.8	2158.5	1993.3	1839.3	1700.6	1592.1	1508.8	1481.1	1469.7
27.5°	2670.7	2518.1	2345.2	2154.7	1905.0	1695.5	1511.3	1376.4	1294.4	1269.1	1278.0
30°	2837.2	2634.1	2408.3	2115.6	1772.5	1493.7	1278.0	1164.4	1102.6	1078.6	1079.9
32.5°	3059.3	2800.7	2500.4	2032.4	1602.2	1264.1	1074.8	991.6	950.0	918.4	915.9
35°	3377.2	3054.2	2586.2	1898.6	1395.3	1059.7	922.2	856.6	798.6	762.0	768.3
37.5°	3758.2	3373.4	2632.9	1718.2	1163.2	900.8	807.4	740.5	674.9	620.7	627.0
40°	4209.8	3791.0	2629.1	1481.1	951.2	792.3	711.5	633.3	551.3	502.1	507.1
42.5°	4713.2	4185.8	2547.1	1230.0	788.5	703.9	619.4	521.0	441.5	411.3	412.5
45°	5149.7	4506.3	2403.3	970.1	663.6	618.2	523.5	422.6	387.3	365.9	364.6
47.5°	5472.6	4740.9	2197.6	763.2	562.7	539.9	430.2	378.5	350.7	333.1	330.5
50°	5653.0	4822.9	1970.6	598.0	475.6	457.9	384.8	343.1	324.2	312.9	310.3
52.5°	5895.3	4921.3	1807.8	471.8	398.7	374.7	354.5	319.2	306.6	297.7	293.9
55°	6278.8	5111.8	1666.5	374.7	331.8	326.7	334.3	305.3	297.7	283.9	278.8
57.5°	5918.0	4592.1	1294.4	290.2	280.1	299.0	323.0	291.4	272.5	259.9	254.8
60°	4164.4	3053.0	651.0	233.4	249.8	280.1	304.0	263.7	244.7	247.3	244.7
62.5°	2296.0	1527.7	292.7	195.5	217.0	247.3	259.9	228.3	215.7	237.2	241.0
65°	750.6	519.8	169.0	151.4	171.6	201.8	224.6	217.0	214.5	239.7	247.3
67.5°	230.9	171.6	114.8	108.5	118.6	148.9	189.2	234.6	252.3	259.9	263.7
70°	172.8	135.0	98.4	92.1	97.1	113.5	160.2	195.5	184.2	185.4	182.9
72.5°	138.8	107.2	84.5	80.7	80.7	78.2	84.5	106.0	119.8	126.2	126.2
75°	97.1	75.7	64.3	59.3	46.7	37.8	34.1	34.1	30.3	29.0	27.8
77.5°	32.8	27.8	25.2	20.2	13.9	11.4	10.1	8.8	6.3	3.8	2.5
80°	5.0	3.8	2.5	2.5	2.5	1.3	1.3	1.3	0.0	0.0	0.0
82.5°	2.5	2.5	2.5	2.5	2.5	1.3	1.3	0.0	0.0	0.0	0.0
85°	2.5	2.5	2.5	2.5	2.5	1.3	1.3	0.0	0.0	0.0	0.0
87.5°	2.5	2.5	2.5	2.5	1.3	1.3	1.3	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)