

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: P633085

Luminaire Tested: GWS-SA2E-722-U-SL3-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P633085  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-34)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2E-722-U-SL3-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (32) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

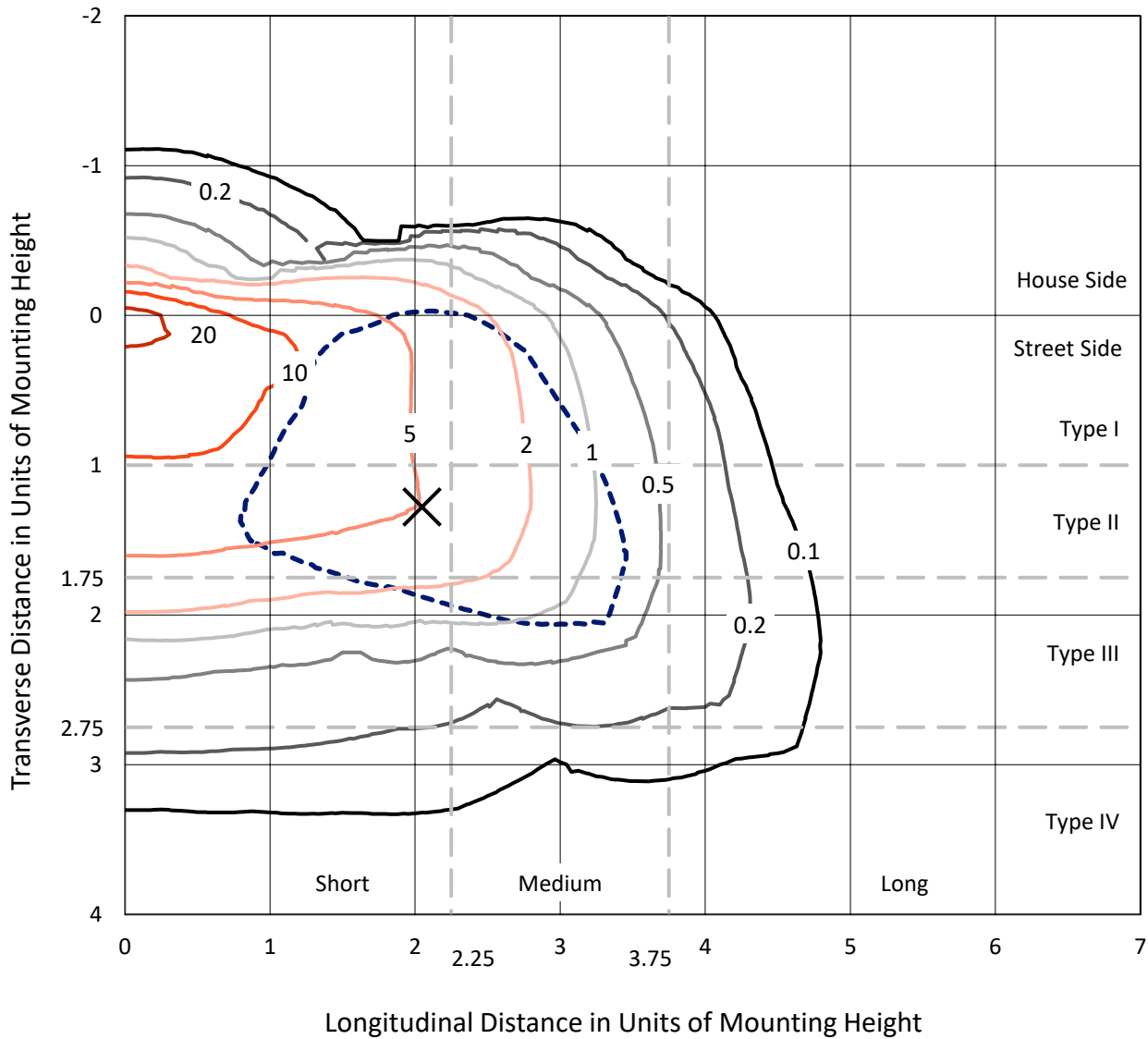
Lumens per Lamp: N/A  
Luminaire Lumens: 8704.8 lumens  
Efficiency: N/A  
Efficacy: 80.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 108.2  
Input Voltage (V): 120  
Input Current (Ain): 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

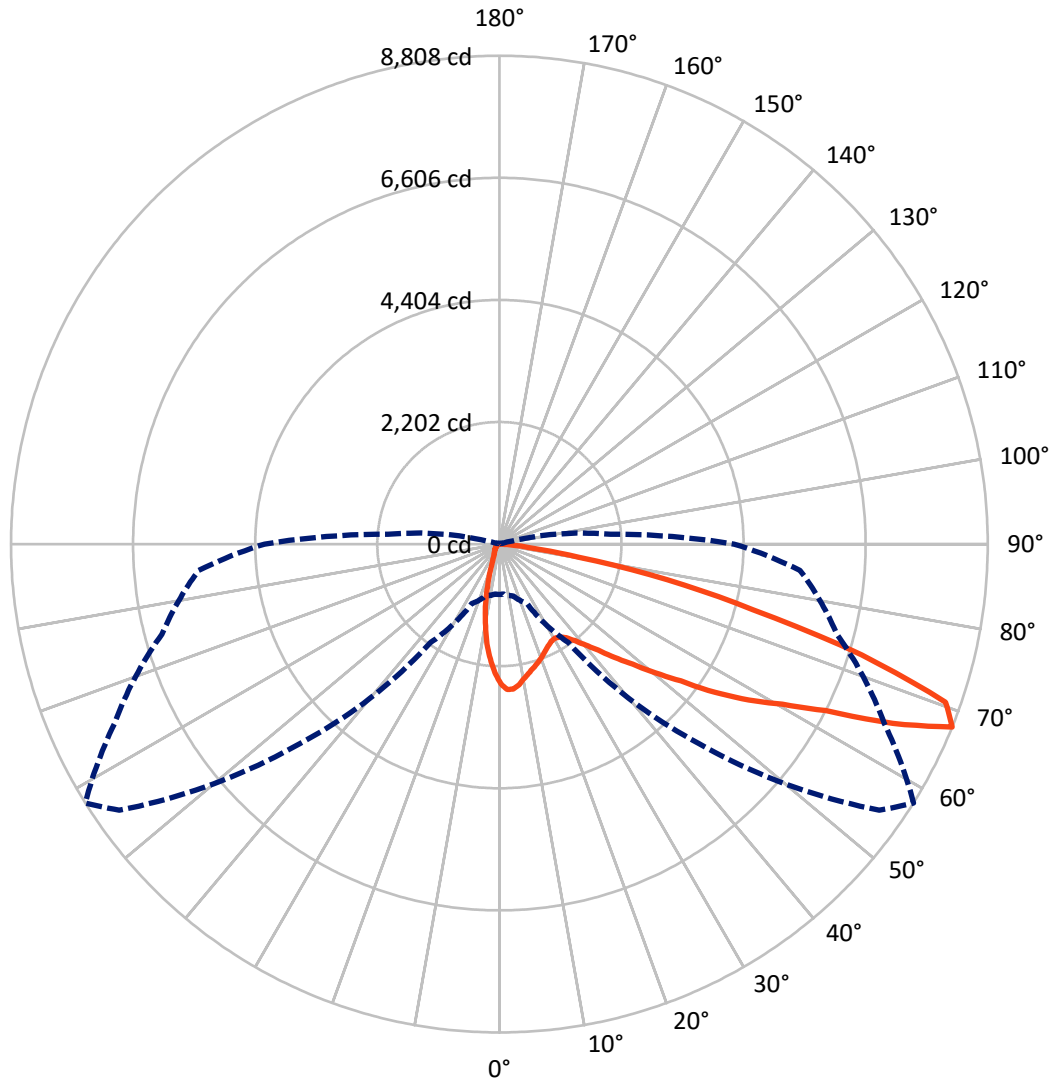
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 25.1 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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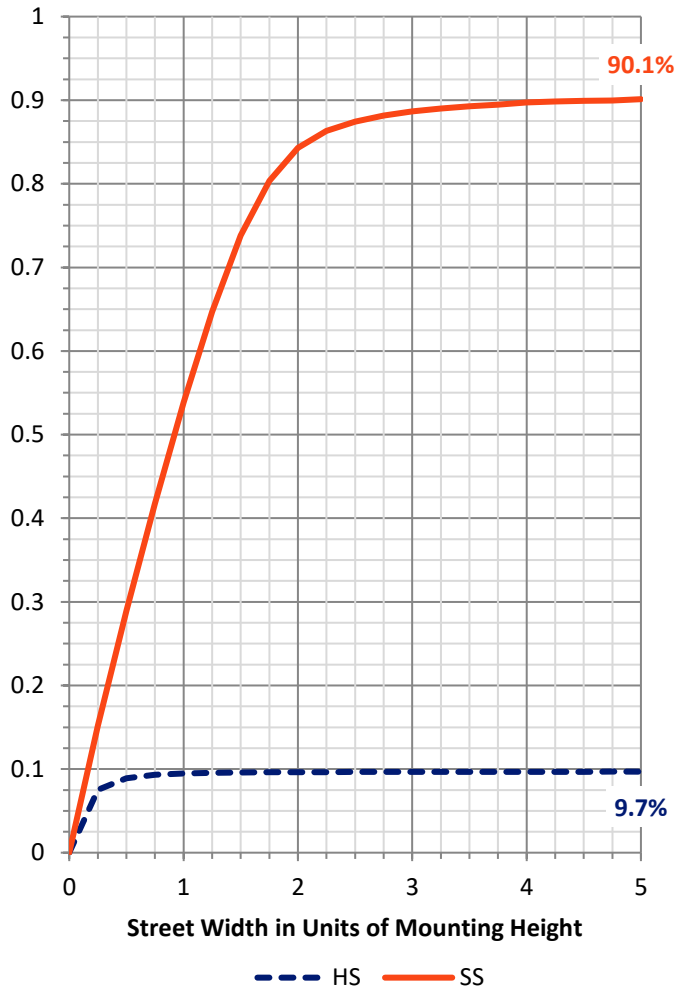
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	850.4	0.0	850.4
	% Fixture	9.8	0.0	9.8
<b>Street Side</b>	Lumens	7854.4	0.0	7854.4
	% Fixture	90.2	0.0	90.2
<b>Total</b>	Lumens	8704.8	0.0	8704.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	204.0	2.3
10°-20°	424.7	4.9
20°-30°	572.8	6.6
30°-40°	804.9	9.2
40°-50°	1243.0	14.3
50°-60°	1987.8	22.8
60°-70°	2353.7	27.0
70°-80°	1041.2	12.0
80°-90°	72.8	0.8
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°	8704.8	100.0
0°-180°	8704.8	100.0

**Coefficient of Utilization**



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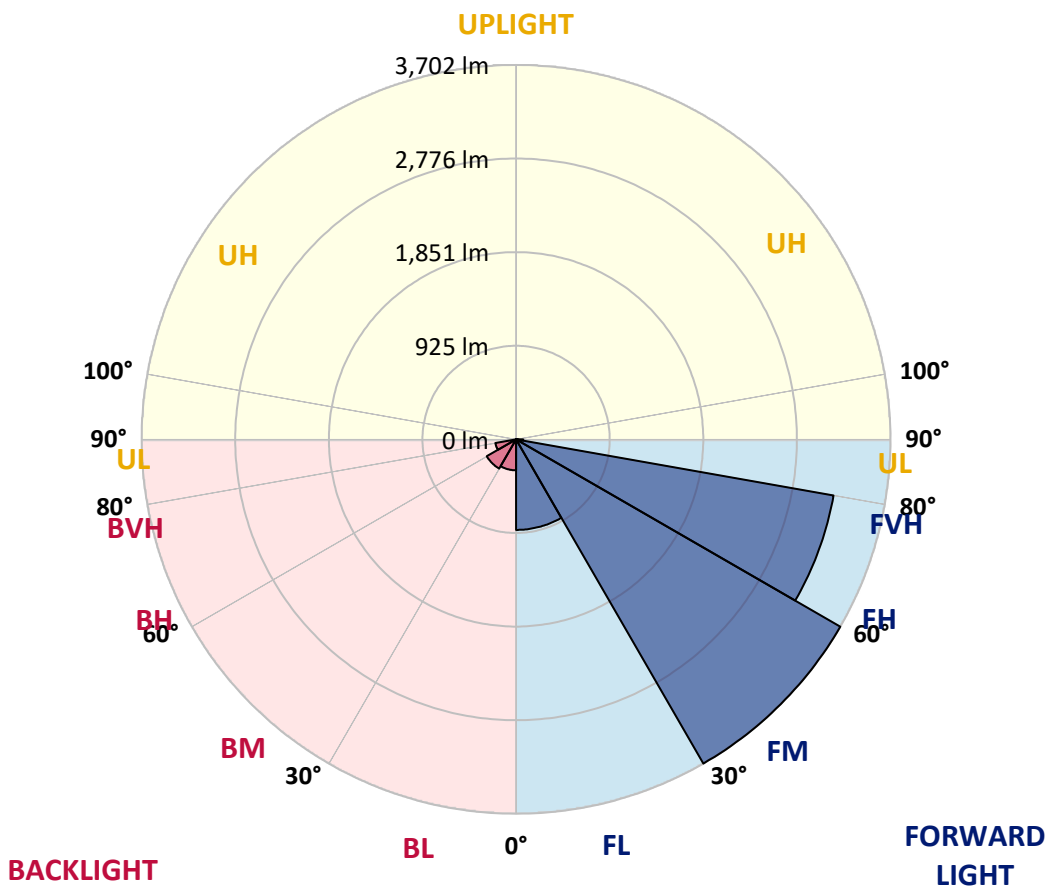
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	895.5	10.3			
FM (30°-60°)	3702.0	42.5			
FH (60°-80°)	3187.2	36.6			G2/5000
FVH (80°-90°)	69.7	0.8			G1/100
BL (0°-30°)	306.0	3.5	B1/500		
BM (30°-60°)	333.7	3.8	B1/1000		
BH (60°-80°)	207.6	2.4	B1/500		G1/500
BVH (80°-90°)	3.1	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 Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	2510.9	2510.9	2510.9	2510.9	2510.9	2510.9	2510.9	2510.9	2510.9	2510.9	2510.9
2.5°	2641.1	2645.7	2651.9	2659.6	2658.0	2651.1	2642.6	2623.4	2611.0	2572.5	2525.5
5°	2556.3	2555.6	2571.0	2585.6	2611.8	2625.7	2644.9	2627.2	2621.0	2574.8	2498.5
7.5°	2390.7	2399.2	2416.9	2440.0	2477.7	2518.6	2564.8	2559.4	2577.9	2547.1	2452.3
10°	2228.1	2223.5	2251.2	2285.9	2343.7	2396.1	2463.1	2462.3	2510.9	2507.8	2399.9
12.5°	2085.6	2084.8	2106.4	2145.7	2213.5	2286.7	2377.6	2379.9	2440.0	2464.6	2355.2
15°	1965.4	1966.9	1987.7	2028.6	2098.7	2188.1	2293.6	2312.9	2380.7	2430.7	2311.3
17.5°	1879.9	1880.7	1893.0	1928.4	1997.0	2092.5	2219.6	2245.8	2332.9	2405.3	2275.9
20°	1840.6	1837.5	1839.8	1857.5	1910.7	1997.8	2144.1	2178.0	2289.0	2387.6	2243.5
22.5°	1846.0	1841.4	1830.6	1828.3	1852.1	1918.4	2064.0	2105.6	2241.2	2376.8	2214.3
25°	1893.7	1883.7	1868.3	1845.2	1836.0	1869.1	1993.9	2037.1	2196.5	2377.6	2191.9
27.5°	1966.9	1956.2	1936.9	1906.1	1869.9	1856.0	1946.1	1987.0	2164.9	2395.3	2181.1
30°	2060.2	2051.7	2033.2	1996.2	1947.7	1890.7	1936.1	1970.0	2149.5	2431.5	2185.7
32.5°	2170.3	2164.2	2148.8	2114.9	2059.4	1972.3	1970.0	1996.2	2161.9	2483.9	2203.5
35°	2276.7	2279.0	2279.7	2261.2	2201.9	2096.4	2063.2	2072.5	2212.7	2562.5	2243.5
37.5°	2391.5	2386.1	2413.8	2426.9	2369.9	2257.4	2207.3	2208.1	2309.8	2678.8	2319.0
40°	2478.5	2480.1	2540.1	2594.1	2570.2	2461.6	2389.9	2389.1	2459.3	2838.3	2440.8
42.5°	2560.2	2570.2	2658.8	2751.3	2784.4	2688.1	2636.5	2617.2	2668.8	3054.0	2623.4
45°	2647.2	2661.9	2785.9	2917.7	3004.7	2947.7	2906.9	2914.6	2920.7	3305.2	2869.1
47.5°	2748.9	2758.2	2911.5	3097.2	3259.7	3245.1	3247.4	3238.2	3235.1	3621.9	3194.3
50°	2872.2	2893.8	3070.2	3292.1	3514.0	3611.1	3643.4	3647.3	3597.2	3967.0	3530.9
52.5°	3134.2	3160.4	3311.4	3505.5	3791.3	3995.5	4127.3	4101.1	4024.0	4301.4	3900.0
55°	3443.1	3463.1	3608.8	3809.8	4130.3	4416.9	4729.7	4719.0	4530.2	4653.5	4203.5
57.5°	3472.4	3494.7	3720.5	4028.6	4565.6	4937.8	5266.7	5301.4	5024.8	4903.1	4474.7
60°	3143.4	3188.9	3497.0	3911.5	4732.1	5638.1	5855.4	5862.3	5387.7	5156.6	4806.0
62.5°	2519.3	2540.9	2851.4	3392.3	4475.5	6046.4	6754.5	6608.1	5853.8	5548.7	5330.7
65°	1320.5	1408.4	1678.8	2277.4	3629.6	5903.9	7836.2	7796.1	6692.1	6110.4	5739.0
67.5°	906.0	905.3	969.2	1187.3	2164.2	5083.4	8367.0	8807.7	7661.3	6303.0	5443.2
70°	689.5	691.9	748.9	890.6	1121.0	3383.8	7784.6	8538.0	7841.6	5722.8	4402.3
72.5°	457.6	462.3	557.0	719.6	895.3	1658.8	6049.5	6831.5	6598.1	4596.5	3098.7
75°	273.5	277.4	345.2	523.1	795.9	928.4	3843.7	4722.8	4541.8	3168.1	1661.1
77.5°	112.5	115.6	177.2	325.9	582.5	721.1	2125.7	3090.2	2720.4	1259.7	453.8
80°	47.0	48.5	85.5	228.1	419.9	452.2	984.6	1452.3	1114.8	271.2	138.7
82.5°	16.9	17.7	31.6	125.6	261.2	340.5	496.9	574.0	314.3	88.6	74.7
85°	0.8	0.8	7.7	42.4	99.4	96.3	284.3	275.0	104.0	37.0	44.7
87.5°	0.0	0.0	0.8	0.8	1.5	3.9	27.0	47.8	22.3	9.2	19.3
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°	2510.9	2510.9	2510.9	2510.9	2510.9	2510.9	2510.9	2510.9	2510.9	2510.9	2510.9
2.5°	2494.7	2453.9	2409.2	2367.6	2301.3	2262.0	2213.5	2191.9	2161.1	2153.4	2158.0
5°	2443.8	2373.7	2266.6	2169.6	2044.0	1943.1	1841.4	1798.2	1742.7	1705.8	1690.4
7.5°	2372.2	2280.5	2113.3	1936.9	1764.3	1580.2	1440.0	1347.5	1263.5	1217.3	1208.1
10°	2299.8	2180.4	1940.7	1688.0	1420.7	1200.3	1010.8	870.6	756.6	705.0	664.9
12.5°	2225.0	2076.3	1765.1	1435.3	1124.8	824.4	590.2	453.8	372.1	339.8	345.2
15°	2156.5	1976.2	1591.0	1182.6	792.0	497.7	325.9	275.0	255.8	249.6	248.9
17.5°	2091.0	1881.4	1417.6	936.9	522.4	305.1	249.6	237.3	231.9	228.8	228.8
20°	2031.7	1790.5	1248.1	705.7	337.5	241.9	225.7	219.6	215.0	212.6	212.6
22.5°	1976.2	1702.7	1082.5	499.2	248.9	217.3	207.2	201.1	195.7	192.6	192.6
25°	1926.1	1623.3	924.5	343.6	214.2	198.8	188.0	181.1	171.8	166.4	166.4
27.5°	1889.9	1552.4	772.8	250.4	193.4	178.7	166.4	157.2	147.2	141.0	139.5
30°	1868.3	1492.3	619.4	205.7	174.1	159.5	145.6	134.1	122.5	116.3	115.6
32.5°	1856.0	1436.9	479.2	179.5	157.9	141.0	125.6	113.3	101.7	94.8	94.0
35°	1860.6	1393.7	359.0	161.8	142.5	124.8	107.9	95.5	85.5	79.4	77.8
37.5°	1900.7	1374.5	269.7	147.9	129.4	110.9	93.2	81.7	72.4	67.8	67.0
40°	1978.5	1378.3	211.9	137.1	118.6	97.1	80.1	69.3	62.4	58.6	57.8
42.5°	2099.5	1410.7	174.9	127.9	107.1	84.7	69.3	60.9	53.9	50.1	49.3
45°	2279.7	1477.7	152.5	117.1	94.8	73.2	60.1	52.4	46.2	41.6	40.8
47.5°	2540.9	1594.0	137.9	107.1	84.0	63.2	51.6	43.9	38.5	34.7	33.9
50°	2819.0	1733.5	125.6	97.1	74.7	54.7	43.9	36.2	31.6	27.7	27.0
52.5°	3115.7	1883.7	116.3	87.8	66.3	47.0	37.0	30.0	25.4	21.6	20.8
55°	3400.7	2034.7	105.6	81.7	56.2	40.1	30.8	24.7	20.0	16.9	16.9
57.5°	3678.1	2173.4	94.0	71.7	46.2	33.9	25.4	20.0	16.2	13.9	13.1
60°	4009.4	2365.3	80.9	60.9	38.5	28.5	20.8	16.2	13.1	10.8	10.8
62.5°	4501.7	2564.8	69.3	50.8	32.4	23.9	16.9	13.1	10.8	9.2	8.5
65°	4662.7	2456.9	58.6	41.6	26.2	19.3	13.9	11.6	9.2	8.5	7.7
67.5°	4232.8	2013.9	48.5	33.9	21.6	16.2	12.3	10.0	8.5	7.7	6.9
70°	3302.9	1429.2	37.8	25.4	17.7	13.1	10.8	9.2	7.7	6.9	6.9
72.5°	2246.6	845.2	30.0	19.3	14.6	11.6	9.2	8.5	7.7	6.9	6.2
75°	1106.4	300.5	23.1	14.6	11.6	10.0	8.5	7.7	6.9	6.2	6.2
77.5°	298.2	83.2	17.7	11.6	9.2	7.7	7.7	7.7	6.9	5.4	5.4
80°	100.9	34.7	13.1	8.5	7.7	6.2	5.4	6.9	6.2	5.4	4.6
82.5°	55.5	16.9	9.2	6.9	5.4	4.6	4.6	4.6	4.6	3.9	3.9
85°	35.4	9.2	6.2	5.4	5.4	3.9	3.1	3.1	2.3	2.3	2.3
87.5°	16.2	5.4	5.4	4.6	4.6	3.9	2.3	1.5	0.8	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)