

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: P632700

Luminaire Tested: GWS-SA2D-730-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632700
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-SA2D-730-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) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8611.4 lumens
Efficiency: N/A
Efficacy: 104.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

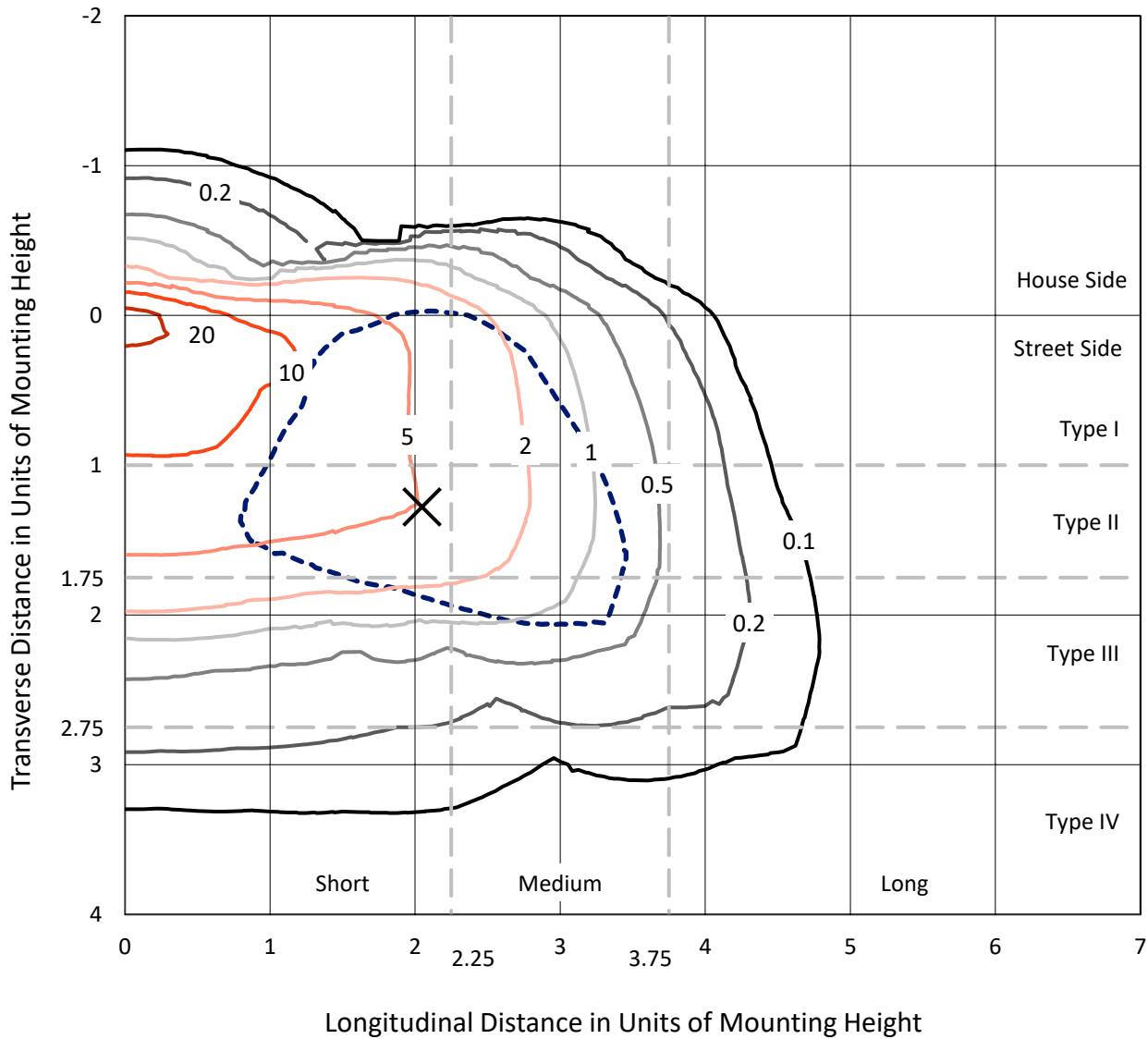
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

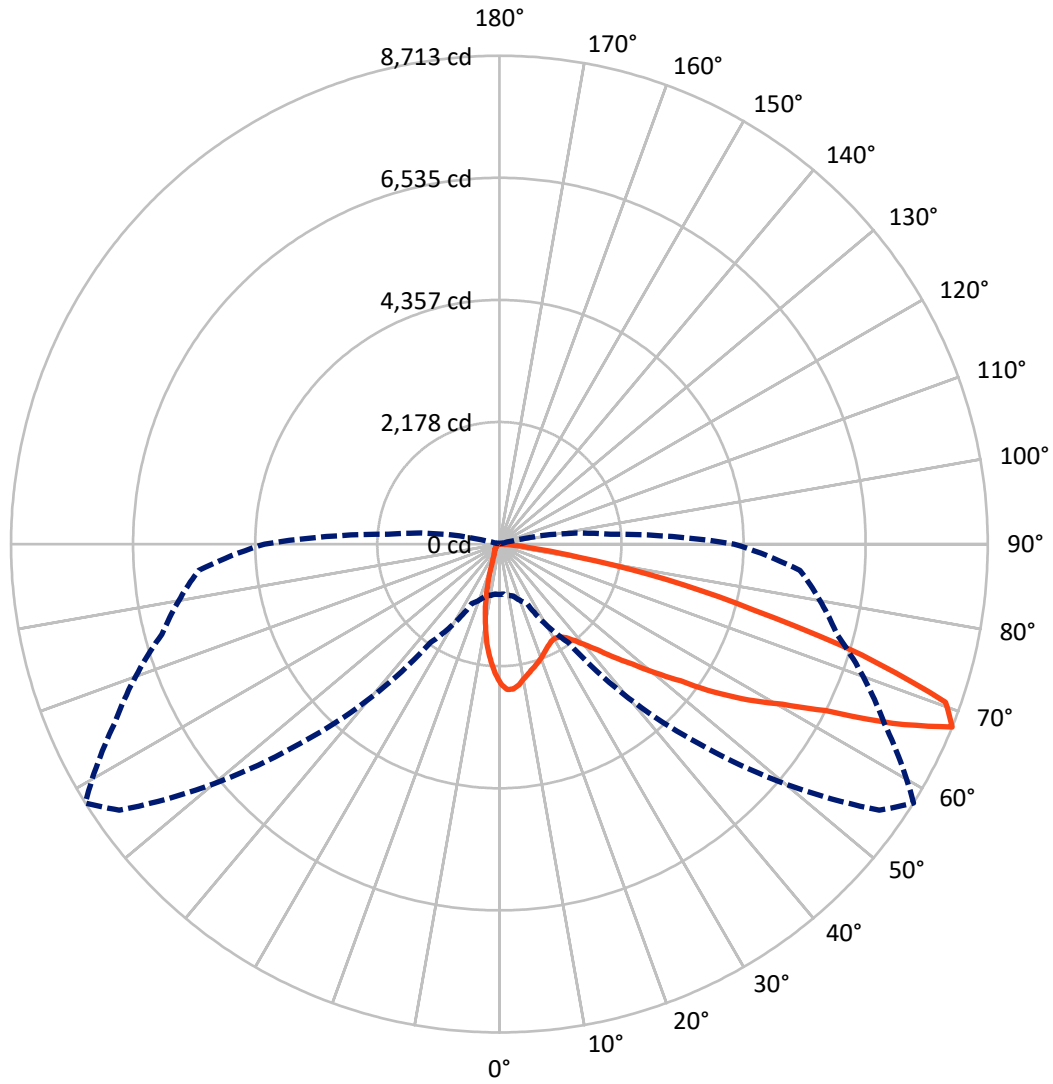
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 24.8 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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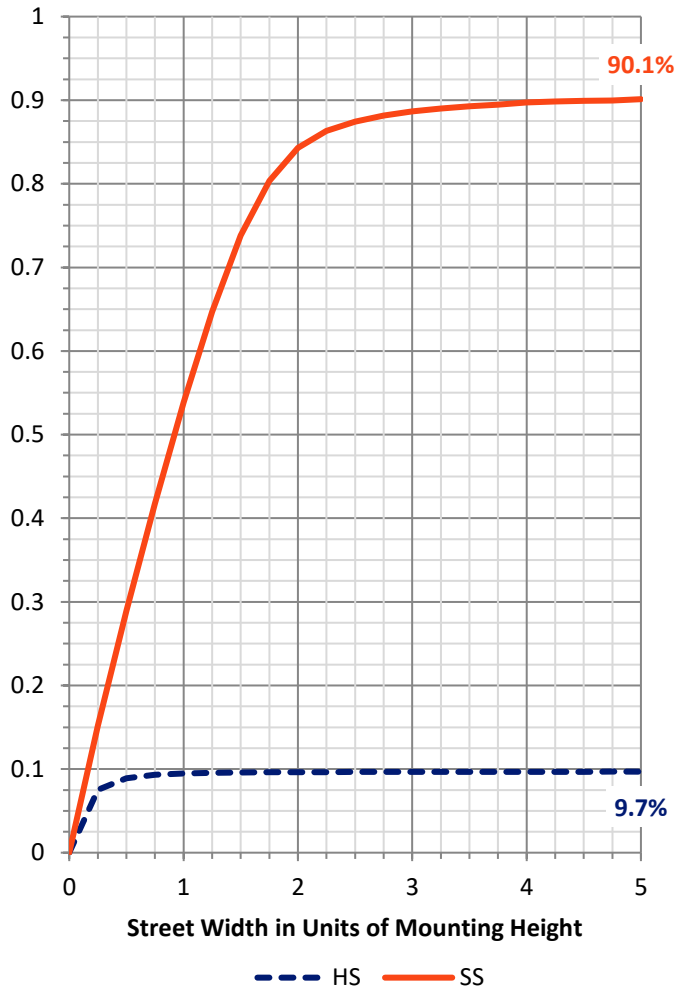
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	841.3	0.0	841.3
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	7770.1	0.0	7770.1
	% Fixture	90.2	0.0	90.2
Total	Lumens	8611.4	0.0	8611.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	201.8	2.3
10°-20°	420.2	4.9
20°-30°	566.6	6.6
30°-40°	796.2	9.2
40°-50°	1229.7	14.3
50°-60°	1966.4	22.8
60°-70°	2328.4	27.0
70°-80°	1030.0	12.0
80°-90°	72.0	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°	8611.4	100.0
0°-180°	8611.4	100.0

Coefficient of Utilization



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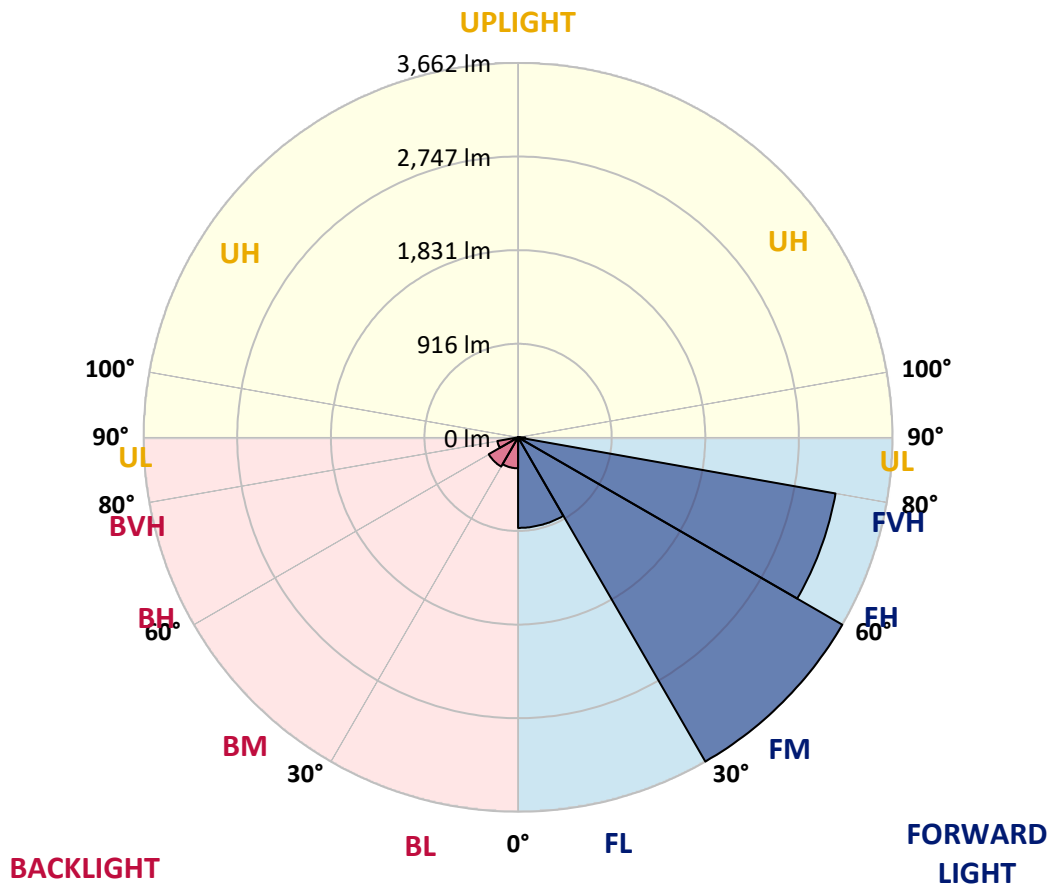
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	885.9	10.3			
FM (30°-60°)	3662.2	42.5			
FH (60°-80°)	3153.0	36.6			G2/5000
FVH (80°-90°)	68.9	0.8			G1/100
BL (0°-30°)	302.7	3.5	B1/500		
BM (30°-60°)	330.1	3.8	B1/1000		
BH (60°-80°)	205.4	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°	2483.9	2483.9	2483.9	2483.9	2483.9	2483.9	2483.9	2483.9	2483.9	2483.9	2483.9
2.5°	2612.7	2617.3	2623.4	2631.0	2629.5	2622.6	2614.3	2595.2	2583.0	2544.9	2498.4
5°	2528.9	2528.1	2543.4	2557.9	2583.8	2597.5	2616.6	2599.0	2592.9	2547.2	2471.7
7.5°	2365.0	2373.4	2390.9	2413.8	2451.2	2491.6	2537.3	2531.9	2550.2	2519.8	2426.0
10°	2204.2	2199.6	2227.1	2261.4	2318.5	2370.4	2436.7	2435.9	2483.9	2480.9	2374.2
12.5°	2063.2	2062.4	2083.8	2122.7	2189.7	2262.1	2352.1	2354.4	2413.8	2438.2	2330.0
15°	1944.3	1945.8	1966.4	2006.8	2076.2	2164.6	2269.0	2288.1	2355.1	2404.7	2286.5
17.5°	1859.7	1860.5	1872.7	1907.7	1975.6	2070.1	2195.8	2221.7	2307.9	2379.5	2251.5
20°	1820.8	1817.8	1820.1	1837.6	1890.2	1976.3	2121.1	2154.7	2264.4	2362.0	2219.5
22.5°	1826.2	1821.6	1810.9	1808.6	1832.3	1897.8	2041.9	2083.0	2217.2	2351.3	2190.5
25°	1873.4	1863.5	1848.3	1825.4	1816.3	1849.0	1972.5	2015.2	2173.0	2352.1	2168.4
27.5°	1945.8	1935.2	1916.1	1885.6	1849.8	1836.1	1925.3	1965.7	2141.7	2369.6	2157.7
30°	2038.1	2029.7	2011.4	1974.8	1926.8	1870.4	1915.3	1948.9	2126.5	2405.4	2162.3
32.5°	2147.1	2141.0	2125.7	2092.2	2037.3	1951.2	1948.9	1974.8	2138.7	2457.3	2179.8
35°	2252.2	2254.5	2255.3	2237.0	2178.3	2073.9	2041.1	2050.3	2189.0	2535.0	2219.5
37.5°	2365.8	2360.5	2387.9	2400.9	2344.5	2233.2	2183.6	2184.4	2285.0	2650.1	2294.2
40°	2451.9	2453.4	2512.9	2566.2	2542.6	2435.2	2364.3	2363.5	2432.9	2807.9	2414.6
42.5°	2532.7	2542.6	2630.3	2721.7	2754.5	2659.2	2608.2	2589.1	2640.2	3021.3	2595.2
45°	2618.8	2633.3	2756.0	2886.4	2972.5	2916.1	2875.7	2883.3	2889.4	3269.7	2838.3
47.5°	2719.4	2728.6	2880.3	3063.9	3224.8	3210.3	3212.6	3203.4	3200.4	3583.0	3160.0
50°	2841.4	2862.7	3037.3	3256.8	3476.3	3572.3	3604.3	3608.1	3558.6	3924.4	3493.1
52.5°	3100.5	3126.4	3275.8	3467.9	3750.7	3952.6	4083.0	4057.1	3980.8	4255.2	3858.1
55°	3406.2	3426.0	3570.0	3769.0	4086.0	4369.6	4679.0	4668.3	4481.6	4603.5	4158.4
57.5°	3435.1	3457.2	3680.5	3985.4	4516.7	4884.8	5210.2	5244.5	4970.9	4850.5	4426.7
60°	3109.7	3154.6	3459.5	3869.6	4681.3	5577.6	5792.5	5799.4	5329.9	5101.2	4754.5
62.5°	2492.3	2513.7	2820.8	3355.9	4427.5	5981.6	6682.0	6537.2	5791.0	5489.2	5273.5
65°	1306.4	1393.3	1660.8	2253.0	3590.6	5840.6	7752.1	7712.5	6620.3	6044.8	5677.4
67.5°	896.3	895.6	958.8	1174.5	2141.0	5028.8	8277.2	8713.2	7579.1	6235.4	5384.8
70°	682.1	684.4	740.8	881.1	1109.0	3347.5	7701.0	8446.4	7757.4	5661.4	4355.1
72.5°	452.7	457.3	551.1	711.9	885.6	1641.0	5984.6	6758.2	6527.3	4547.1	3065.5
75°	270.6	274.4	341.5	517.5	787.3	918.4	3802.5	4672.1	4493.0	3134.1	1643.3
77.5°	111.3	114.3	175.3	322.4	576.2	713.4	2102.8	3057.1	2691.2	1246.2	448.9
80°	46.5	48.0	84.6	225.6	415.4	447.4	974.1	1436.7	1102.9	268.3	137.2
82.5°	16.8	17.5	31.2	124.2	258.4	336.9	491.6	567.8	311.0	87.7	73.9
85°	0.8	0.8	7.6	41.9	98.3	95.3	281.2	272.1	102.9	36.6	44.2
87.5°	0.0	0.0	0.8	0.8	1.5	3.8	26.7	47.3	22.1	9.1	19.1
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°	2483.9	2483.9	2483.9	2483.9	2483.9	2483.9	2483.9	2483.9	2483.9	2483.9	2483.9
2.5°	2467.9	2427.5	2383.3	2342.2	2276.6	2237.7	2189.7	2168.4	2137.9	2130.3	2134.9
5°	2417.6	2348.3	2242.3	2146.3	2022.1	1922.2	1821.6	1778.9	1724.0	1687.5	1672.2
7.5°	2346.7	2256.0	2090.6	1916.1	1745.4	1563.2	1424.5	1333.0	1250.0	1204.2	1195.1
10°	2275.1	2157.0	1919.9	1669.9	1405.5	1187.5	1000.0	861.3	748.5	697.4	657.8
12.5°	2201.2	2054.1	1746.1	1419.9	1112.8	815.5	583.8	448.9	368.1	336.1	341.5
15°	2133.3	1955.0	1573.9	1169.9	783.5	492.4	322.4	272.1	253.0	246.9	246.2
17.5°	2068.5	1861.2	1402.4	926.8	516.8	301.8	246.9	234.8	229.4	226.4	226.4
20°	2009.9	1771.3	1234.7	698.2	333.8	239.3	223.3	217.2	212.6	210.4	210.4
22.5°	1955.0	1684.4	1070.9	493.9	246.2	214.9	205.0	198.9	193.6	190.5	190.5
25°	1905.4	1605.9	914.6	339.9	211.9	196.6	186.0	179.1	170.0	164.6	164.6
27.5°	1869.6	1535.8	764.5	247.7	191.3	176.8	164.6	155.5	145.6	139.5	138.0
30°	1848.3	1476.3	612.8	203.5	172.3	157.8	144.1	132.6	121.2	115.1	114.3
32.5°	1836.1	1421.5	474.1	177.6	156.2	139.5	124.2	112.0	100.6	93.7	93.0
35°	1840.7	1378.8	355.2	160.1	141.0	123.5	106.7	94.5	84.6	78.5	77.0
37.5°	1880.3	1359.7	266.8	146.3	128.0	109.8	92.2	80.8	71.6	67.1	66.3
40°	1957.3	1363.5	209.6	135.7	117.4	96.0	79.3	68.6	61.7	57.9	57.2
42.5°	2076.9	1395.5	173.0	126.5	105.9	83.8	68.6	60.2	53.4	49.5	48.8
45°	2255.3	1461.9	150.9	115.9	93.7	72.4	59.4	51.8	45.7	41.2	40.4
47.5°	2513.7	1576.9	136.4	105.9	83.1	62.5	51.1	43.4	38.1	34.3	33.5
50°	2788.8	1714.9	124.2	96.0	73.9	54.1	43.4	35.8	31.2	27.4	26.7
52.5°	3082.2	1863.5	115.1	86.9	65.5	46.5	36.6	29.7	25.2	21.3	20.6
55°	3364.2	2012.9	104.4	80.8	55.6	39.6	30.5	24.4	19.8	16.8	16.8
57.5°	3638.6	2150.1	93.0	70.9	45.7	33.5	25.2	19.8	16.0	13.7	13.0
60°	3966.4	2339.9	80.0	60.2	38.1	28.2	20.6	16.0	13.0	10.7	10.7
62.5°	4453.4	2537.3	68.6	50.3	32.0	23.6	16.8	13.0	10.7	9.1	8.4
65°	4612.7	2430.6	57.9	41.2	25.9	19.1	13.7	11.4	9.1	8.4	7.6
67.5°	4187.4	1992.3	48.0	33.5	21.3	16.0	12.2	9.9	8.4	7.6	6.9
70°	3267.4	1413.8	37.3	25.2	17.5	13.0	10.7	9.1	7.6	6.9	6.9
72.5°	2222.5	836.1	29.7	19.1	14.5	11.4	9.1	8.4	7.6	6.9	6.1
75°	1094.5	297.2	22.9	14.5	11.4	9.9	8.4	7.6	6.9	6.1	6.1
77.5°	295.0	82.3	17.5	11.4	9.1	7.6	7.6	7.6	6.9	5.3	5.3
80°	99.8	34.3	13.0	8.4	7.6	6.1	5.3	6.9	6.1	5.3	4.6
82.5°	54.9	16.8	9.1	6.9	5.3	4.6	4.6	4.6	4.6	3.8	3.8
85°	35.1	9.1	6.1	5.3	5.3	3.8	3.0	3.0	2.3	2.3	2.3
87.5°	16.0	5.3	5.3	4.6	4.6	3.8	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)