

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: P632613

Luminaire Tested: GWS-SA2D-722-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632613
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-26)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2D-722-U-T3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6314.1 lumens
Efficiency: N/A
Efficacy: 76.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

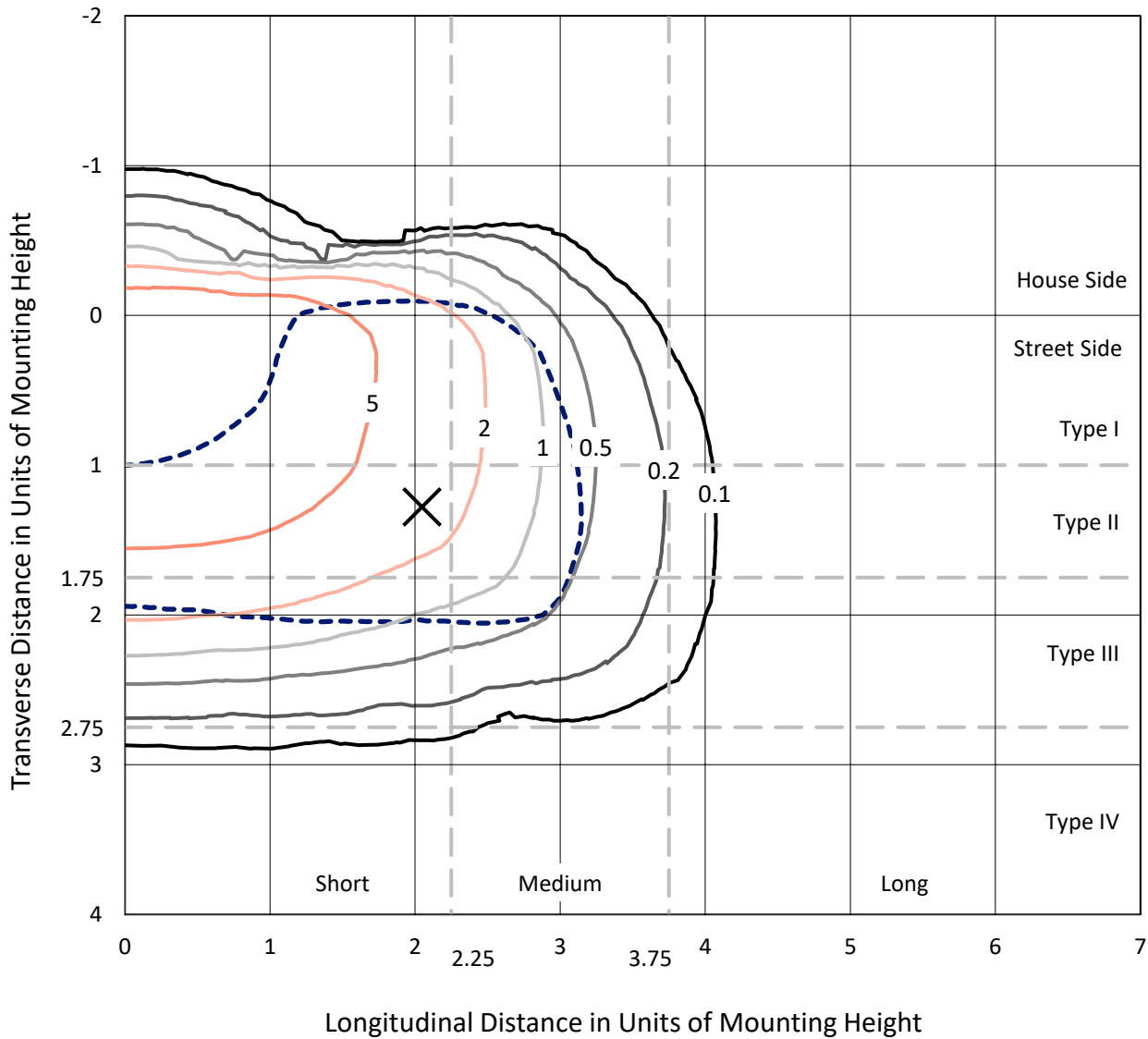
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

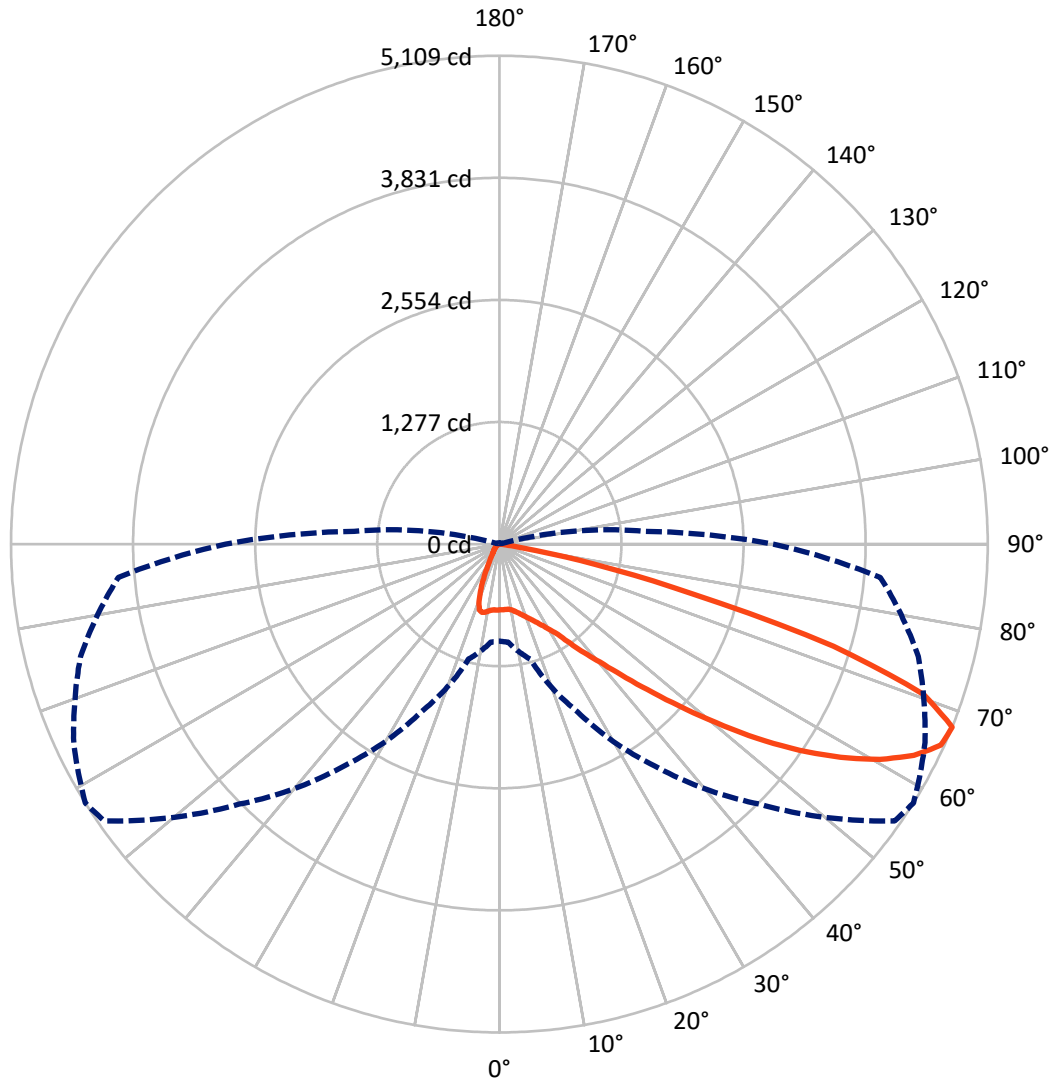
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.6 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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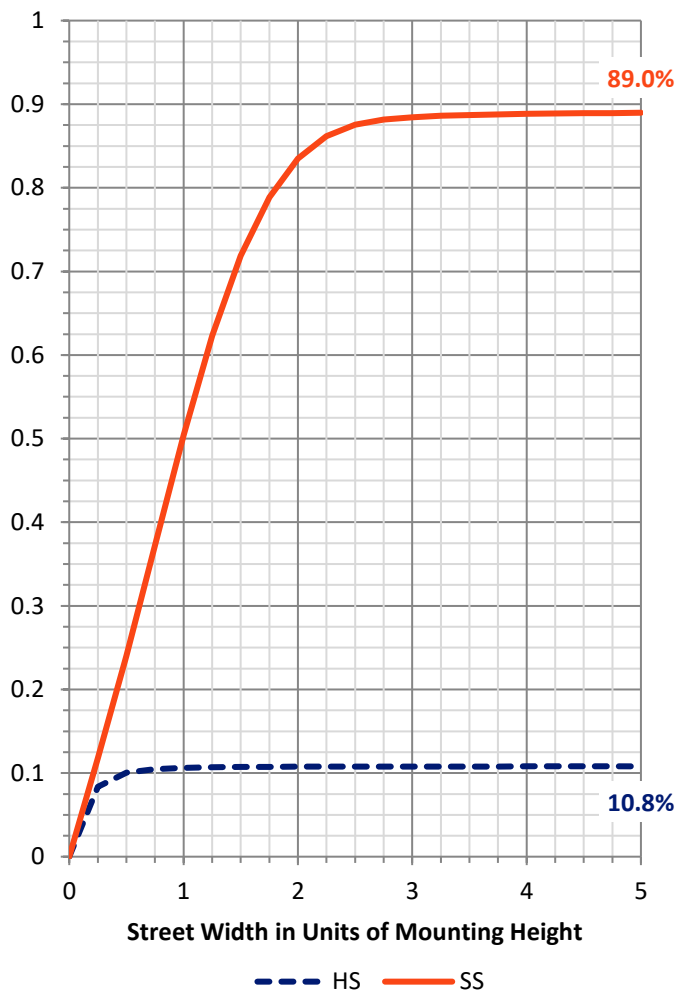
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	688.8	0.0	688.8
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	5625.2	0.0	5625.2
	% Fixture	89.1	0.0	89.1
Total	Lumens	6314.1	0.0	6314.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.6	1.0
10°-20°	181.5	2.9
20°-30°	316.8	5.0
30°-40°	565.7	9.0
40°-50°	1034.0	16.4
50°-60°	1719.6	27.2
60°-70°	1867.8	29.6
70°-80°	548.4	8.7
80°-90°	15.6	0.2
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°	6314.1	100.0
0°-180°	6314.1	100.0

Coefficient of Utilization



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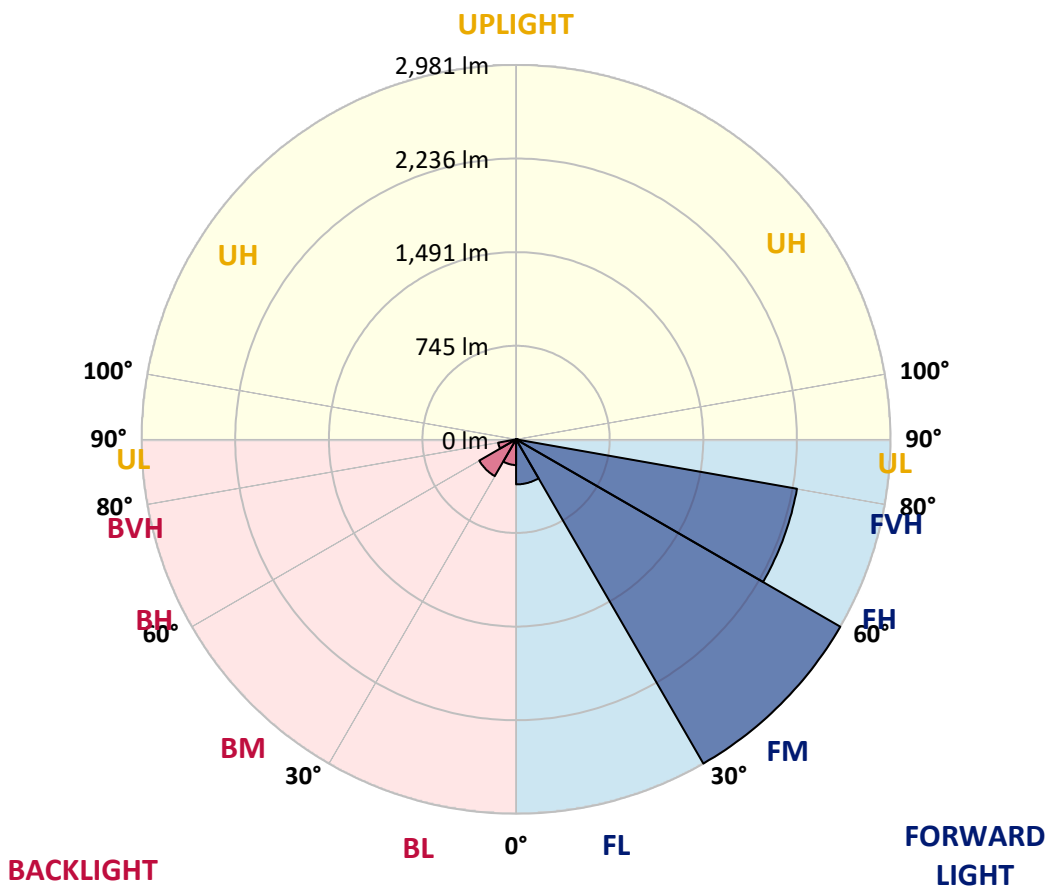
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	358.5	5.7			
FM (30°-60°)	2981.0	47.2			
FH (60°-80°)	2270.8	36.0			G2/5000
FVH (80°-90°)	14.8	0.2			G1/100
BL (0°-30°)	204.3	3.2	B1/500		
BM (30°-60°)	338.3	5.4	B1/1000		
BH (60°-80°)	145.4	2.3	B1/500		G1/500
BVH (80°-90°)	0.8	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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	688.0	688.0	688.0	688.0	688.0	688.0	688.0	688.0	688.0	688.0	688.0
2.5°	675.1	673.9	673.9	678.8	679.4	681.9	687.4	688.0	691.1	689.9	685.6
5°	640.0	640.6	644.3	652.9	660.3	669.6	683.1	686.2	693.0	696.7	694.2
7.5°	607.3	607.9	613.4	627.0	641.2	659.7	681.9	688.0	701.6	711.5	712.1
10°	595.0	594.3	599.9	615.3	633.8	659.7	691.7	699.8	720.1	737.4	740.5
12.5°	598.7	598.0	603.6	617.8	638.1	670.8	709.0	720.1	746.0	772.5	778.1
15°	613.4	612.8	616.5	628.2	650.4	684.3	731.2	747.9	780.5	812.6	821.2
17.5°	657.8	654.8	651.1	652.3	665.2	700.4	759.6	779.9	820.6	858.8	866.2
20°	736.8	728.7	718.9	705.9	699.8	723.8	792.2	815.7	865.0	908.8	910.0
22.5°	855.7	852.7	829.9	792.2	765.7	766.3	830.5	857.6	918.0	966.1	959.3
25°	1021.6	1019.7	984.6	922.9	853.9	830.5	879.2	906.9	980.9	1032.1	1010.5
27.5°	1227.5	1214.6	1173.3	1090.0	987.1	913.7	940.8	965.5	1047.5	1095.6	1054.9
30°	1406.9	1407.5	1368.7	1281.8	1165.9	1038.9	1016.0	1037.6	1108.5	1159.1	1109.8
32.5°	1579.6	1585.1	1542.6	1464.3	1337.3	1202.2	1123.9	1127.6	1186.8	1241.7	1181.9
35°	1739.8	1744.2	1714.6	1648.0	1529.6	1373.0	1274.4	1272.5	1304.6	1360.7	1282.4
37.5°	1919.3	1923.6	1894.6	1834.8	1723.8	1568.5	1445.1	1442.7	1455.6	1501.3	1411.9
40°	2110.4	2118.4	2086.3	2035.8	1929.7	1798.4	1643.7	1621.5	1608.5	1662.2	1579.6
42.5°	2304.0	2316.3	2305.2	2254.7	2164.0	2055.5	1901.4	1866.9	1839.1	1906.3	1818.8
45°	2544.4	2559.2	2554.3	2515.4	2445.2	2357.0	2211.5	2171.4	2158.5	2220.7	2116.5
47.5°	2775.6	2791.7	2809.5	2800.9	2751.0	2710.3	2548.7	2525.9	2522.2	2588.8	2427.3
50°	2947.6	2962.4	3030.9	3080.2	3114.1	3105.5	2965.5	2931.6	2926.1	2968.6	2755.3
52.5°	3070.9	3085.1	3179.4	3333.6	3458.1	3525.9	3384.8	3377.4	3347.1	3332.3	3062.3
55°	3166.5	3186.2	3285.5	3518.5	3769.5	3919.9	3831.7	3805.2	3727.5	3642.5	3347.1
57.5°	3185.6	3193.6	3333.6	3648.0	4011.1	4254.7	4254.7	4208.4	4058.6	3940.9	3676.4
60°	3014.2	3038.9	3228.2	3637.5	4114.7	4473.5	4605.5	4573.4	4371.2	4226.3	3993.3
62.5°	2633.8	2661.6	2892.1	3386.6	4011.1	4518.6	4871.2	4866.3	4638.2	4462.4	4255.9
65°	2019.8	2040.1	2241.1	2833.0	3573.4	4345.3	5061.1	5074.7	4849.0	4618.4	4346.5
67.5°	1014.8	1029.0	1246.0	1935.3	2832.3	3846.5	5048.2	5108.6	4913.1	4535.8	4000.7
70°	354.5	368.7	471.0	830.5	1723.8	2937.2	4611.6	4710.3	4536.4	3871.8	2951.3
72.5°	121.5	128.2	195.4	308.3	670.8	1741.1	3506.8	3655.4	3344.1	2599.3	1696.1
75°	69.1	73.4	104.8	167.1	281.1	572.8	1989.5	2080.8	1949.5	1416.8	697.9
77.5°	46.9	50.6	65.4	94.9	155.4	184.3	811.4	1021.6	890.9	462.4	178.2
80°	27.7	30.2	40.1	56.1	79.5	71.5	173.9	231.2	297.8	138.1	53.6
82.5°	12.9	14.8	25.9	37.0	40.1	30.2	51.2	62.3	83.8	67.8	22.2
85°	0.0	0.0	8.6	15.4	14.8	8.6	14.2	15.4	22.8	33.9	8.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.8	3.7	6.8	3.7
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°	688.0	688.0	688.0	688.0	688.0	688.0	688.0	688.0	688.0	688.0	688.0
2.5°	690.5	686.2	691.1	688.7	691.1	690.5	685.6	682.5	682.5	677.0	675.1
5°	699.1	694.8	696.1	690.5	689.3	686.2	680.0	677.6	677.6	672.0	670.2
7.5°	718.3	711.5	710.2	699.1	694.2	685.6	674.5	670.2	669.6	664.0	662.2
10°	748.5	740.5	734.9	720.7	706.5	689.3	665.9	646.1	635.0	620.2	619.0
12.5°	785.5	775.6	767.0	745.4	722.0	683.1	614.1	541.9	497.5	462.4	464.9
15°	826.8	817.5	804.0	771.3	723.2	622.1	477.8	366.8	312.6	283.6	282.4
17.5°	871.8	858.2	836.0	791.6	684.3	475.3	310.7	219.5	191.1	181.3	178.8
20°	913.7	897.1	869.3	795.9	572.1	321.8	194.2	170.2	165.2	162.1	162.1
22.5°	958.1	937.1	895.8	762.6	425.4	205.9	165.2	159.7	156.0	151.7	151.1
25°	1003.1	976.0	919.9	675.7	278.7	162.1	154.7	148.6	141.8	135.0	133.2
27.5°	1041.3	1006.2	938.4	546.2	178.8	146.1	141.2	130.7	121.5	114.1	112.8
30°	1086.9	1041.9	946.4	399.5	140.6	128.9	121.5	110.4	99.3	91.9	89.4
32.5°	1148.0	1098.7	934.0	260.2	124.5	113.4	101.7	88.8	77.7	69.7	68.4
35°	1242.9	1184.4	877.3	165.8	112.8	98.0	83.8	70.3	61.0	54.9	53.6
37.5°	1358.8	1304.6	784.2	124.5	101.1	85.1	68.4	55.5	48.7	44.4	43.2
40°	1530.8	1455.0	668.9	109.1	89.4	72.1	56.1	45.6	40.7	37.0	35.8
42.5°	1754.0	1632.6	536.4	99.3	78.3	60.4	45.6	37.6	33.3	30.8	30.2
45°	2014.8	1805.8	396.4	89.4	67.8	49.9	37.6	30.8	27.7	25.9	25.3
47.5°	2281.8	1957.5	273.7	78.9	58.0	41.3	31.4	26.5	24.0	21.6	21.0
50°	2566.6	2085.7	186.8	68.4	49.3	33.9	27.1	24.0	21.0	19.1	18.5
52.5°	2775.6	2133.2	130.1	59.2	41.9	29.0	24.0	21.6	19.1	16.6	16.0
55°	2968.6	2132.0	98.6	49.9	35.8	25.3	21.6	19.1	16.6	14.8	14.2
57.5°	3161.0	2115.3	77.7	42.5	30.8	22.8	19.1	16.6	15.4	12.9	12.3
60°	3285.5	2052.4	60.4	35.8	26.5	19.7	16.6	14.8	12.9	11.1	10.5
62.5°	3351.5	1964.9	46.2	28.4	21.6	17.3	14.8	12.9	11.1	9.2	8.6
65°	3262.1	1809.5	36.4	22.2	16.6	14.8	12.3	10.5	8.6	6.8	6.2
67.5°	2865.6	1525.9	28.4	17.9	12.9	11.1	10.5	8.6	6.2	4.9	4.3
70°	2025.3	1045.0	22.2	13.6	9.9	8.6	8.0	6.8	4.9	3.7	3.1
72.5°	1111.6	527.1	16.0	9.9	7.4	6.8	6.2	5.5	4.3	3.1	3.1
75°	427.9	144.9	11.7	6.8	4.9	4.9	4.3	4.3	3.7	2.5	2.5
77.5°	111.6	43.2	7.4	4.3	3.1	3.1	3.1	2.5	2.5	1.8	1.8
80°	35.8	14.2	4.3	3.1	2.5	1.8	1.8	1.2	1.8	1.2	1.2
82.5°	11.7	4.9	2.5	2.5	1.8	1.2	1.2	0.6	0.6	0.0	0.0
85°	4.3	2.5	1.8	1.2	1.2	1.2	0.6	0.0	0.0	0.0	0.0
87.5°	2.5	1.2	1.2	1.2	1.2	0.6	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)