

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: P634263

Luminaire Tested: GWS-SA3B-735-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634263
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-SA3B-735-U-T3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7531.6 lumens
Efficiency: N/A
Efficacy: 110.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

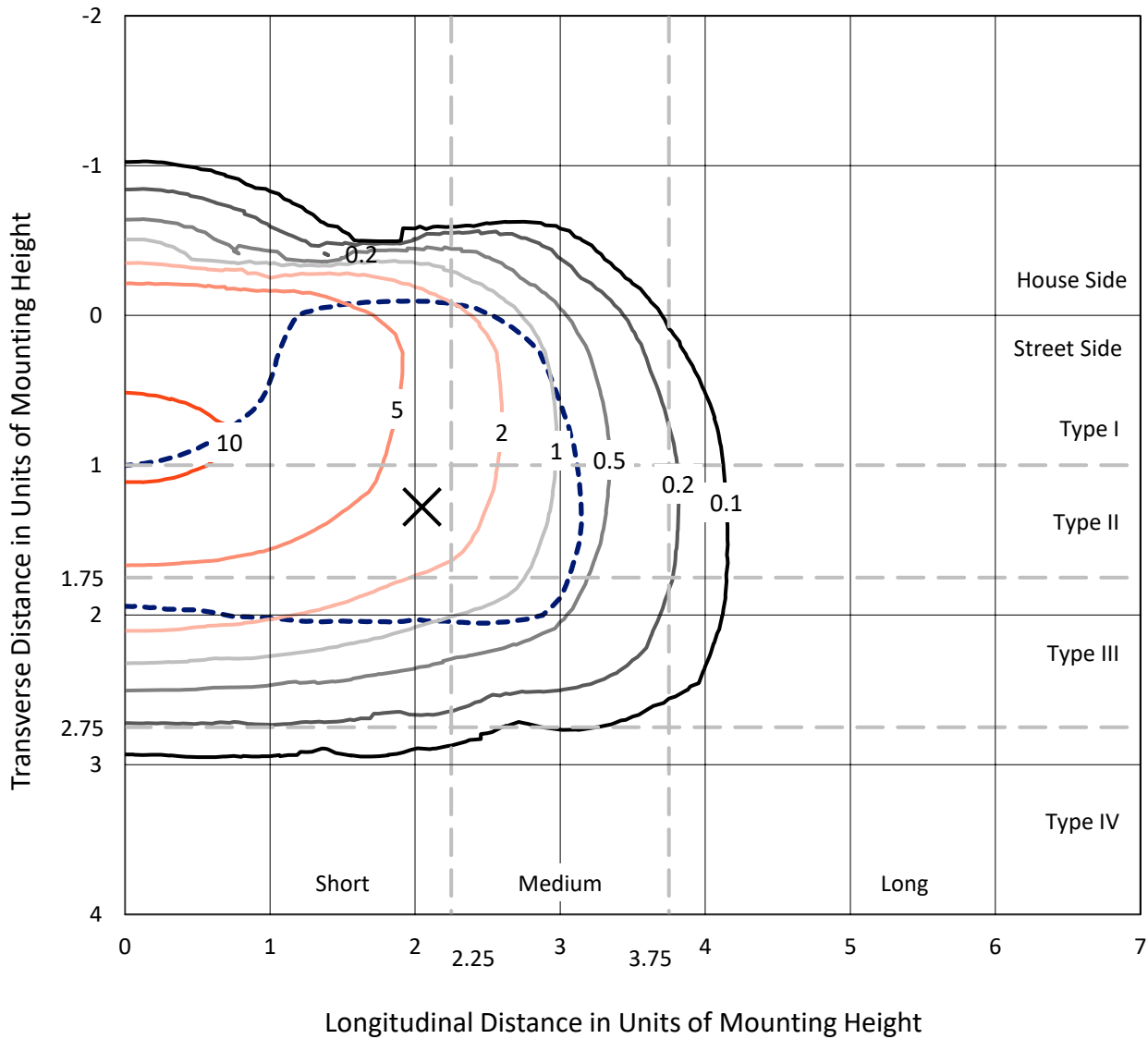
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

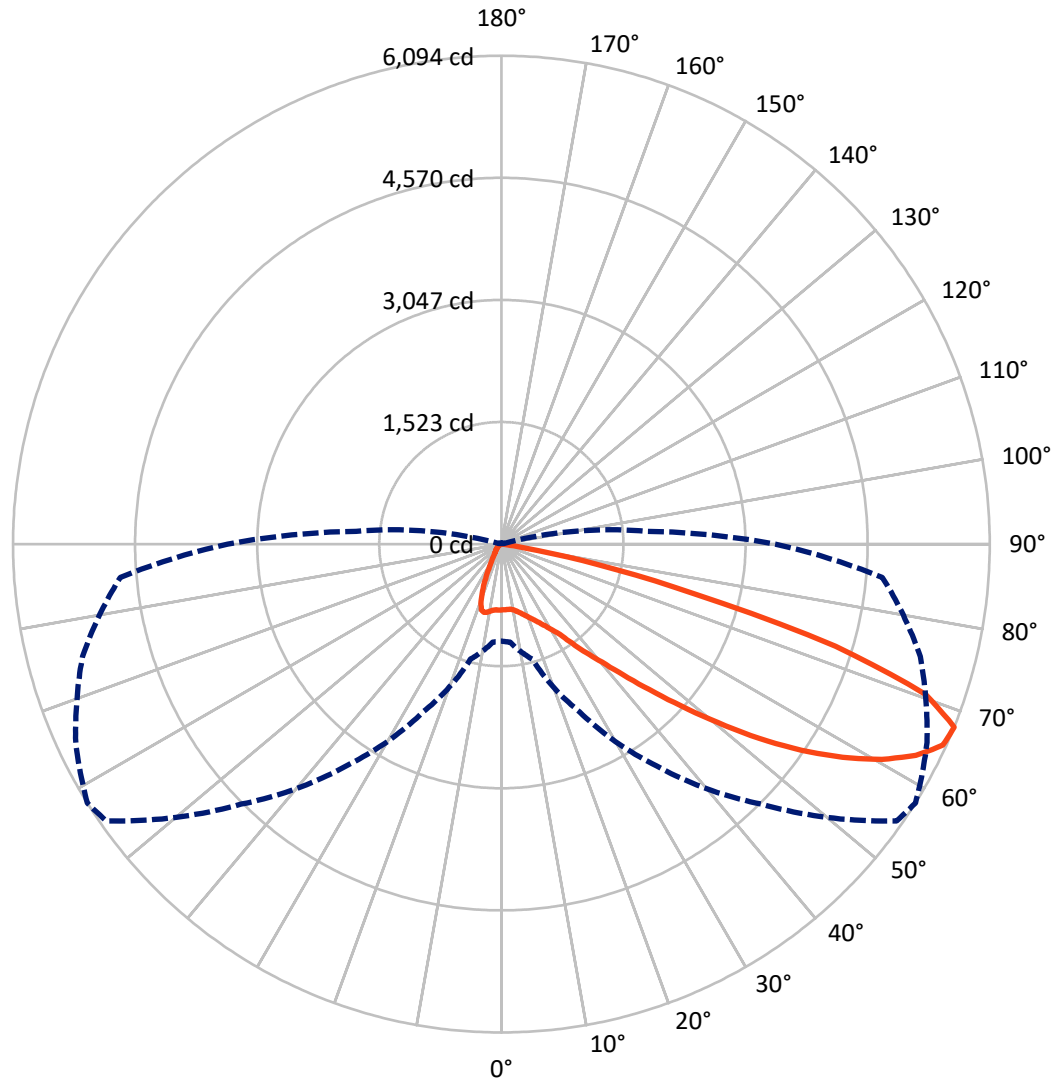
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.4 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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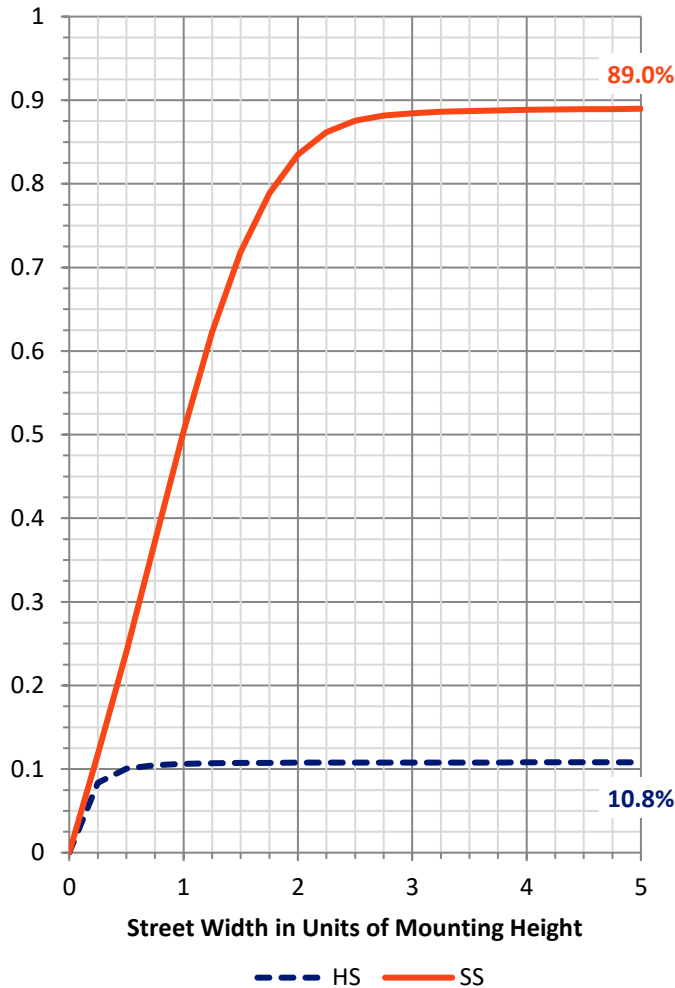
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	821.7	0.0	821.7
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	6709.9	0.0	6709.9
	% Fixture	89.1	0.0	89.1
Total	Lumens	7531.6	0.0	7531.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.1	1.0
10°-20°	216.5	2.9
20°-30°	377.8	5.0
30°-40°	674.8	9.0
40°-50°	1233.4	16.4
50°-60°	2051.2	27.2
60°-70°	2228.0	29.6
70°-80°	654.2	8.7
80°-90°	18.6	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°	7531.6	100.0
0°-180°	7531.6	100.0

Coefficient of Utilization



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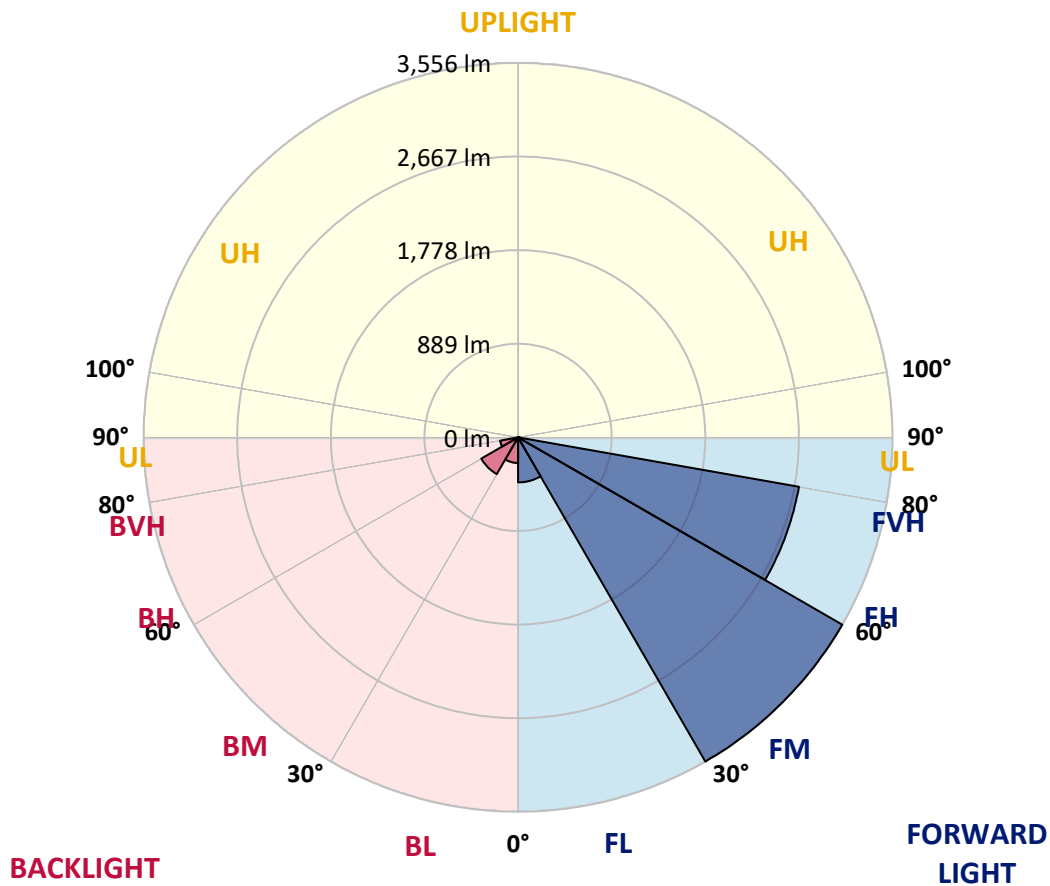
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	427.7	5.7			
FM (30°-60°)	3555.8	47.2			
FH (60°-80°)	2708.7	36.0			G2/5000
FVH (80°-90°)	17.7	0.2			G1/100
BL (0°-30°)	243.7	3.2	B1/500		
BM (30°-60°)	403.6	5.4	B1/1000		
BH (60°-80°)	173.4	2.3	B1/500		G1/500
BVH (80°-90°)	0.9	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°	820.7	820.7	820.7	820.7	820.7	820.7	820.7	820.7	820.7	820.7	820.7
2.5°	805.3	803.8	803.8	809.7	810.4	813.4	820.0	820.7	824.4	822.9	817.8
5°	763.4	764.1	768.5	778.8	787.6	798.7	814.8	818.5	826.6	831.0	828.1
7.5°	724.4	725.1	731.7	747.9	764.8	786.9	813.4	820.7	836.9	848.7	849.4
10°	709.7	708.9	715.6	733.9	756.0	786.9	825.1	834.7	859.0	879.6	883.2
12.5°	714.1	713.3	720.0	736.9	761.2	800.1	845.7	859.0	889.8	921.5	928.1
15°	731.7	731.0	735.4	749.4	775.9	816.3	872.2	892.1	931.0	969.3	979.6
17.5°	784.7	781.0	776.6	778.1	793.5	835.4	906.0	930.3	978.8	1024.4	1033.3
20°	878.8	869.3	857.5	842.0	834.7	863.4	945.0	972.9	1031.8	1084.0	1085.5
22.5°	1020.8	1017.1	989.9	945.0	913.4	914.1	990.6	1023.0	1095.0	1152.4	1144.3
25°	1218.6	1216.4	1174.5	1100.9	1018.5	990.6	1048.7	1081.8	1170.0	1231.1	1205.3
27.5°	1464.2	1448.8	1399.5	1300.2	1177.4	1089.9	1122.2	1151.7	1249.5	1306.8	1258.3
30°	1678.2	1678.9	1632.6	1528.9	1390.7	1239.2	1212.0	1237.7	1322.3	1382.6	1323.7
32.5°	1884.1	1890.7	1840.0	1746.6	1595.1	1434.1	1340.7	1345.1	1415.7	1481.1	1409.8
35°	2075.3	2080.5	2045.2	1965.8	1824.6	1637.8	1520.1	1517.9	1556.1	1623.1	1529.7
37.5°	2289.3	2294.5	2259.9	2188.6	2056.2	1870.9	1723.8	1720.9	1736.3	1790.7	1684.1
40°	2517.3	2526.9	2488.6	2428.3	2301.8	2145.2	1960.6	1934.1	1918.7	1982.7	1884.1
42.5°	2748.2	2762.9	2749.7	2689.4	2581.3	2451.9	2268.0	2226.8	2193.7	2273.9	2169.5
45°	3035.0	3052.7	3046.8	3000.5	2916.6	2811.5	2637.9	2590.1	2574.7	2649.0	2524.7
47.5°	3310.8	3329.9	3351.3	3341.0	3281.4	3232.9	3040.2	3013.0	3008.6	3088.0	2895.3
50°	3516.0	3533.7	3615.3	3674.1	3714.6	3704.3	3537.3	3496.9	3490.3	3541.0	3286.6
52.5°	3663.1	3680.0	3792.5	3976.4	4124.9	4205.8	4037.4	4028.6	3992.5	3974.9	3652.8
55°	3777.1	3800.6	3919.0	4197.0	4496.3	4675.7	4570.6	4539.0	4446.3	4344.8	3992.5
57.5°	3799.9	3809.4	3976.4	4351.4	4784.6	5075.1	5075.1	5019.9	4841.2	4700.8	4385.3
60°	3595.4	3624.8	3850.6	4338.9	4908.1	5336.1	5493.5	5455.3	5214.1	5041.2	4763.3
62.5°	3141.7	3174.8	3449.8	4039.6	4784.6	5389.8	5810.5	5804.6	5532.5	5322.9	5076.5
65°	2409.2	2433.5	2673.2	3379.2	4262.4	5183.2	6037.0	6053.2	5784.0	5509.0	5184.7
67.5°	1210.5	1227.4	1486.3	2308.5	3378.5	4588.2	6021.6	6093.6	5860.5	5410.4	4772.1
70°	422.9	439.8	561.9	990.6	2056.2	3503.5	5500.9	5618.5	5411.2	4618.4	3520.4
72.5°	144.9	153.0	233.1	367.7	800.1	2076.8	4183.0	4360.3	3988.9	3100.5	2023.1
75°	82.4	87.5	125.0	199.3	335.3	683.2	2373.2	2482.0	2325.4	1690.0	832.5
77.5°	55.9	60.3	78.0	113.3	185.3	219.9	967.8	1218.6	1062.7	551.6	212.5
80°	33.1	36.0	47.8	66.9	94.9	85.3	207.4	275.8	355.2	164.7	64.0
82.5°	15.4	17.6	30.9	44.1	47.8	36.0	61.0	74.3	100.0	80.9	26.5
85°	0.0	0.0	10.3	18.4	17.6	10.3	16.9	18.4	27.2	40.4	10.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.7	1.5	2.2	4.4	8.1	4.4
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°	820.7	820.7	820.7	820.7	820.7	820.7	820.7	820.7	820.7	820.7	820.7
2.5°	823.7	818.5	824.4	821.5	824.4	823.7	817.8	814.1	814.1	807.5	805.3
5°	834.0	828.8	830.3	823.7	822.2	818.5	811.2	808.2	808.2	801.6	799.4
7.5°	856.8	848.7	847.2	834.0	828.1	817.8	804.5	799.4	798.7	792.0	789.8
10°	892.8	883.2	876.6	859.7	842.8	822.2	794.2	770.7	757.5	739.8	738.4
12.5°	936.9	925.1	914.9	889.1	861.2	814.8	732.5	646.4	593.5	551.6	554.5
15°	986.2	975.2	959.0	920.0	862.6	742.0	569.9	437.6	372.9	338.3	336.8
17.5°	1039.9	1023.7	997.2	944.3	816.3	567.0	370.6	261.8	228.0	216.2	213.3
20°	1089.9	1070.0	1036.9	949.4	682.5	383.9	231.7	203.0	197.1	193.4	193.4
22.5°	1142.8	1117.8	1068.6	909.7	507.4	245.6	197.1	190.5	186.1	180.9	180.2
25°	1196.5	1164.2	1097.2	806.0	332.4	193.4	184.6	177.2	169.1	161.1	158.8
27.5°	1242.1	1200.2	1119.3	651.6	213.3	174.3	168.4	155.9	144.9	136.1	134.6
30°	1296.5	1242.8	1128.9	476.5	167.7	153.7	144.9	131.6	118.4	109.6	106.6
32.5°	1369.3	1310.5	1114.1	310.3	148.6	135.3	121.3	105.9	92.7	83.1	81.6
35°	1482.6	1412.7	1046.5	197.8	134.6	116.9	100.0	83.8	72.8	65.5	64.0
37.5°	1620.8	1556.1	935.4	148.6	120.6	101.5	81.6	66.2	58.1	52.9	51.5
40°	1826.0	1735.6	797.9	130.2	106.6	86.0	66.9	54.4	48.5	44.1	42.7
42.5°	2092.2	1947.4	639.8	118.4	93.4	72.1	54.4	44.9	39.7	36.8	36.0
45°	2403.3	2154.0	472.9	106.6	80.9	59.6	44.9	36.8	33.1	30.9	30.2
47.5°	2721.8	2334.9	326.5	94.1	69.1	49.3	37.5	31.6	28.7	25.7	25.0
50°	3061.5	2487.9	222.8	81.6	58.8	40.4	32.4	28.7	25.0	22.8	22.1
52.5°	3310.8	2544.5	155.2	70.6	50.0	34.6	28.7	25.7	22.8	19.9	19.1
55°	3541.0	2543.1	117.7	59.6	42.7	30.2	25.7	22.8	19.9	17.6	16.9
57.5°	3770.5	2523.2	92.7	50.7	36.8	27.2	22.8	19.9	18.4	15.4	14.7
60°	3919.0	2448.2	72.1	42.7	31.6	23.5	19.9	17.6	15.4	13.2	12.5
62.5°	3997.7	2343.8	55.2	33.8	25.7	20.6	17.6	15.4	13.2	11.0	10.3
65°	3891.1	2158.4	43.4	26.5	19.9	17.6	14.7	12.5	10.3	8.1	7.4
67.5°	3418.2	1820.1	33.8	21.3	15.4	13.2	12.5	10.3	7.4	5.9	5.1
70°	2415.8	1246.5	26.5	16.2	11.8	10.3	9.6	8.1	5.9	4.4	3.7
72.5°	1325.9	628.8	19.1	11.8	8.8	8.1	7.4	6.6	5.1	3.7	3.7
75°	510.4	172.8	14.0	8.1	5.9	5.9	5.1	5.1	4.4	2.9	2.9
77.5°	133.1	51.5	8.8	5.1	3.7	3.7	3.7	2.9	2.9	2.2	2.2
80°	42.7	16.9	5.1	3.7	2.9	2.2	2.2	1.5	2.2	1.5	1.5
82.5°	14.0	5.9	2.9	2.9	2.2	1.5	1.5	0.7	0.7	0.0	0.0
85°	5.1	2.9	2.2	1.5	1.5	1.5	0.7	0.0	0.0	0.0	0.0
87.5°	2.9	1.5	1.5	1.5	1.5	0.7	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)