

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: P637885

Luminaire Tested: GWS-SA4D-760-U-T2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637885
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-22)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4D-760-U-T2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: (64) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18506.9 lumens
Efficiency: N/A
Efficacy: 114.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G3

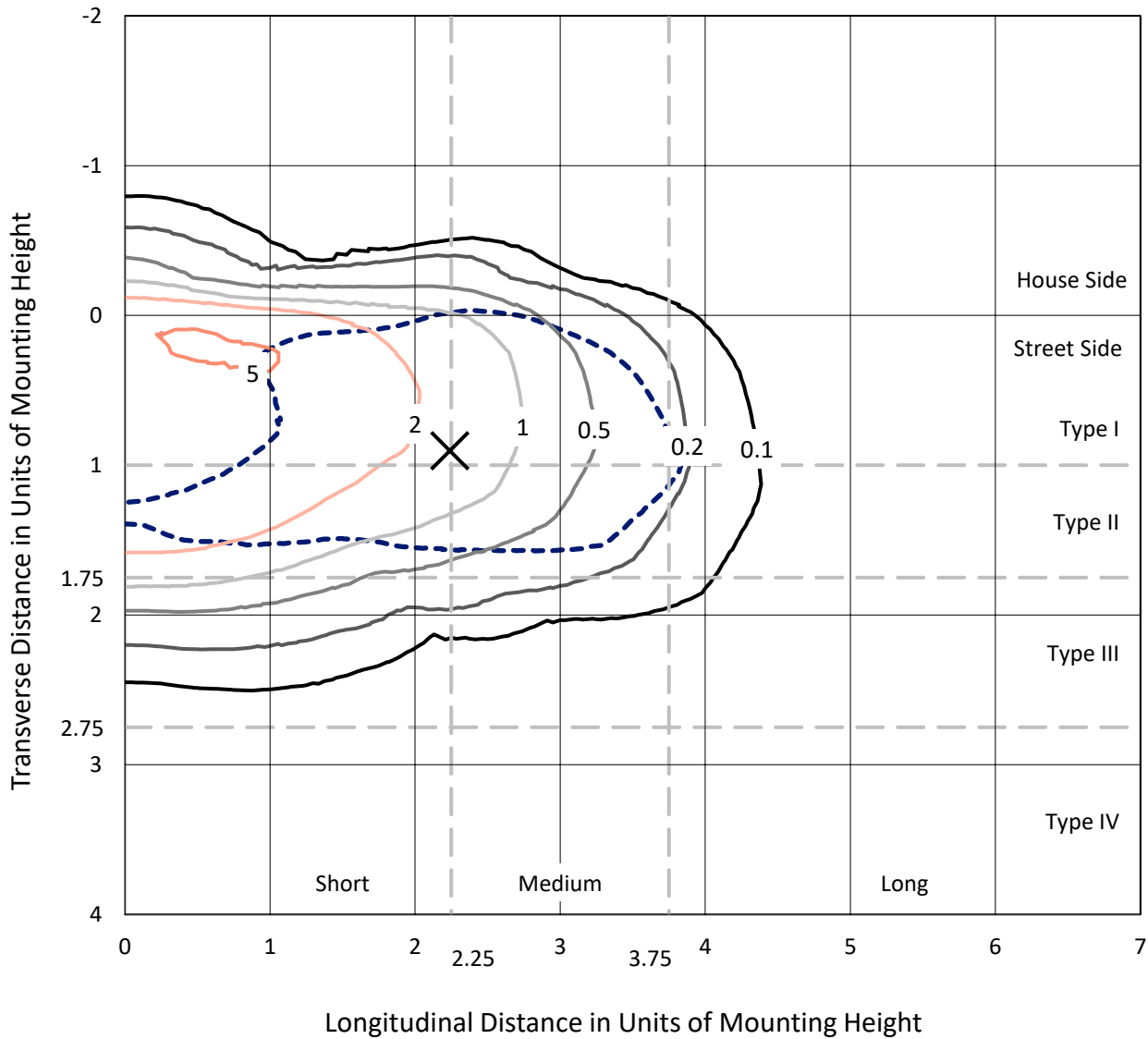
Input Watts (W): 162.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P637885
 CATALOG NUMBER: GWS-SA4D-760-U-T2-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

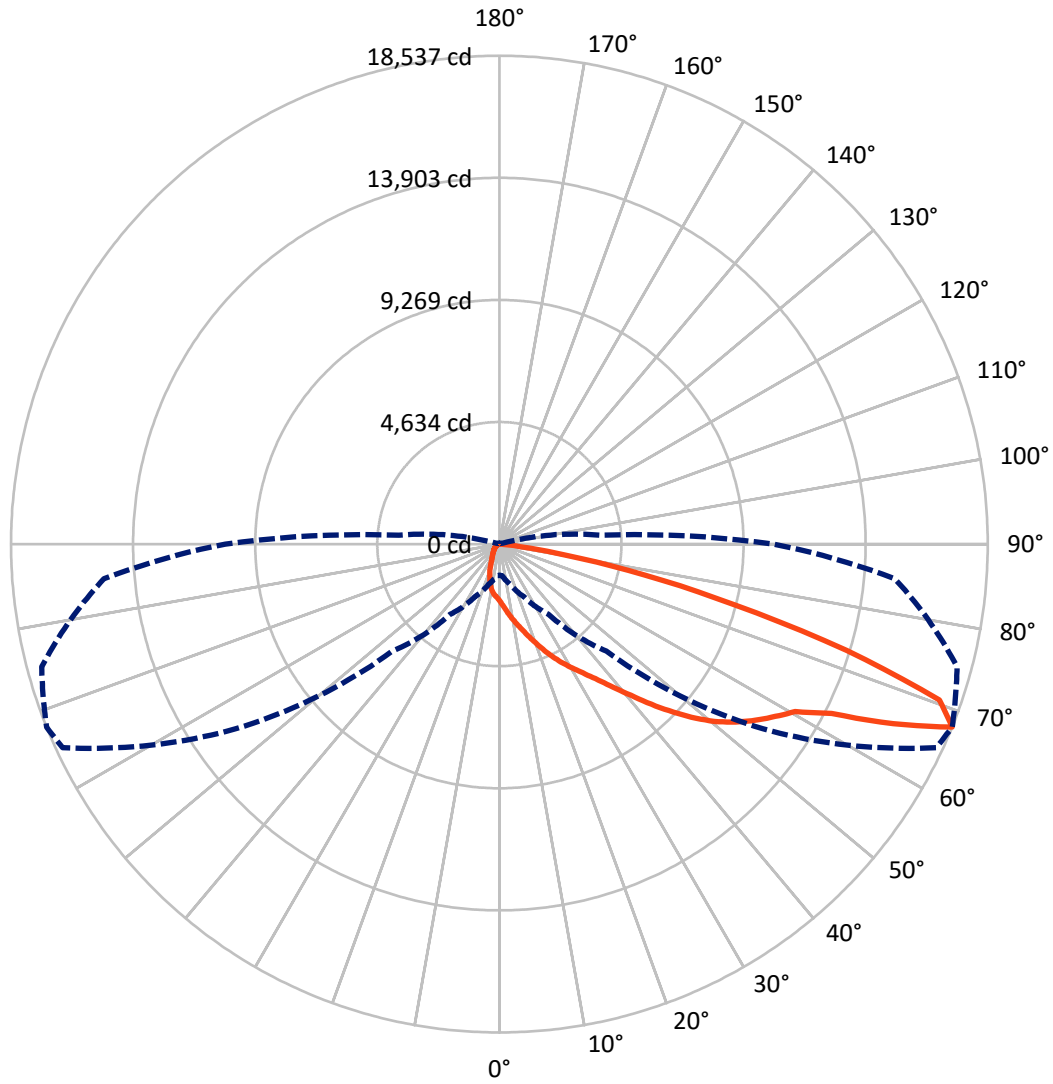
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 fc
 Type II - Short - N/A

REPORT NUMBER: P637885
CATALOG NUMBER: GWS-SA4D-760-U-T2-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 68-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P637885
 CATALOG NUMBER: GWS-SA4D-760-U-T2-W-HSS

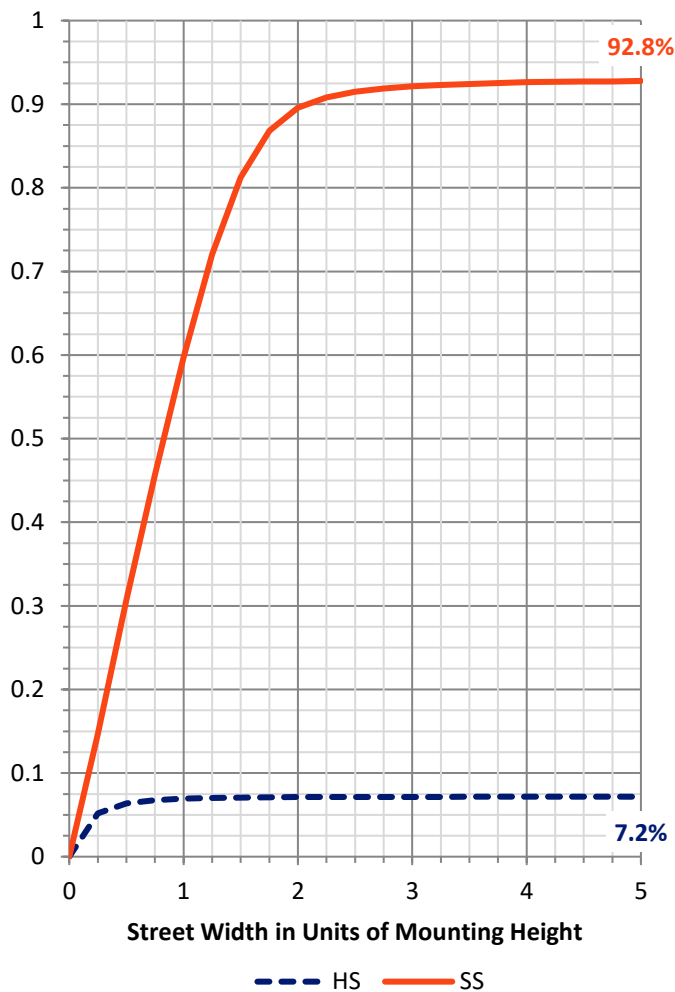
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1336.4	0.0	1336.4
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	17170.5	0.0	17170.5
	% Fixture	92.8	0.0	92.8
Total	Lumens	18506.9	0.0	18506.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.1	1.1
10°-20°	603.2	3.3
20°-30°	1036.6	5.6
30°-40°	1802.3	9.7
40°-50°	3144.8	17.0
50°-60°	4743.2	25.6
60°-70°	4756.2	25.7
70°-80°	2098.4	11.3
80°-90°	112.1	0.6
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°	18506.9	100.0
0°-180°	18506.9	100.0

Coefficient of Utilization



REPORT NUMBER: P637885

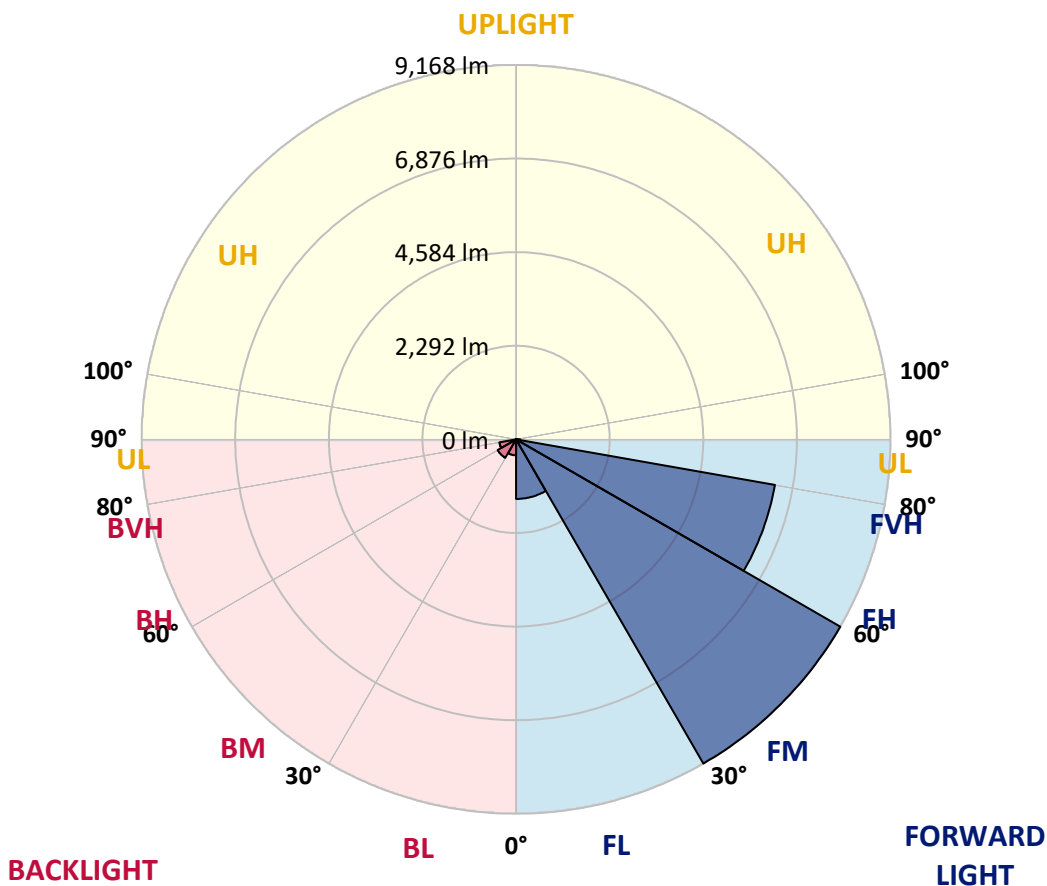
CATALOG NUMBER: GWS-SA4D-760-U-T2-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1458.9	7.9			
FM (30°-60°)	9168.3	49.5			
FH (60°-80°)	6437.5	34.8			G3/7500
FVH (80°-90°)	105.8	0.6			G2/225
BL (0°-30°)	391.0	2.1	B1/500		
BM (30°-60°)	522.0	2.8	B1/1000		
BH (60°-80°)	417.1	2.3	B1/500		G1/500
BVH (80°-90°)	6.3	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-G3

Type II Short





REPORT NUMBER: P637885

CATALOG NUMBER: GWS-SA4D-760-U-T2-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	68°	75°	85°
0°	2153.7	2153.7	2153.7	2153.7	2153.7	2153.7	2153.7	2153.7	2153.7	2153.7	2153.7
2.5°	2508.0	2523.9	2508.0	2511.5	2465.5	2444.2	2398.2	2334.4	2318.5	2277.7	2215.7
5°	2814.4	2828.5	2812.6	2809.1	2755.9	2717.0	2640.8	2531.0	2499.1	2419.4	2297.2
7.5°	2980.9	2989.7	2995.0	3003.9	2984.4	2952.5	2883.5	2747.1	2713.4	2584.1	2412.3
10°	2998.6	3005.7	3032.2	3085.4	3124.3	3143.8	3104.8	2979.1	2926.0	2800.2	2554.0
12.5°	2949.0	2959.6	3002.1	3090.7	3198.7	3297.9	3322.7	3212.9	3165.1	3003.9	2720.5
15°	2883.5	2892.3	2950.8	3071.2	3234.1	3416.6	3519.3	3471.5	3418.3	3250.1	2904.7
17.5°	2782.5	2794.9	2876.4	3039.3	3250.1	3510.4	3731.8	3747.8	3710.6	3528.2	3108.4
20°	2725.8	2734.7	2807.3	2975.6	3239.5	3579.5	3930.2	4080.8	4040.0	3848.7	3342.2
22.5°	2773.6	2780.7	2828.5	2959.6	3204.0	3618.5	4114.4	4413.7	4390.7	4192.3	3588.4
25°	3025.1	3048.2	3019.8	3042.9	3220.0	3639.7	4263.2	4746.7	4752.0	4551.9	3843.4
27.5°	3535.2	3505.1	3437.8	3322.7	3344.0	3696.4	4390.7	5060.2	5106.3	4902.6	4070.1
30°	4054.2	4036.5	3995.7	3816.9	3668.1	3822.2	4498.8	5380.8	5453.4	5248.0	4272.0
32.5°	4636.9	4654.6	4582.0	4367.7	4114.4	4077.2	4610.3	5685.4	5821.8	5639.4	4509.4
35°	5333.0	5338.3	5194.8	4957.5	4670.6	4498.8	4810.5	6021.9	6273.5	6138.8	4826.4
37.5°	6011.3	6043.2	5965.3	5591.6	5336.5	5023.0	5141.7	6454.1	6808.3	6755.2	5224.9
40°	6611.7	6661.3	6636.5	6275.2	5940.5	5676.6	5655.3	6960.7	7454.8	7515.0	5751.0
42.5°	7090.0	7121.8	7141.3	6884.5	6588.7	6439.9	6289.4	7548.7	8218.2	8464.4	6395.7
45°	7594.7	7605.4	7646.1	7472.5	7213.9	7226.3	7038.6	8262.5	9022.3	9516.5	7136.0
47.5°	8237.7	8273.1	8253.6	8071.2	7837.4	7977.3	7812.6	8997.5	9815.8	10639.4	7894.1
50°	9020.5	9057.7	9040.0	8827.5	8567.1	8625.6	8522.8	9711.3	10580.9	11698.5	8524.6
52.5°	9424.4	9454.5	9674.1	9769.7	9633.3	9261.4	9128.6	10495.9	11227.4	12569.9	9103.8
55°	9229.5	9250.8	9729.0	10132.8	10632.3	10260.3	9737.8	11101.6	11797.7	13250.1	9534.2
57.5°	8421.9	8537.0	9187.0	9870.7	10921.0	11246.9	10726.2	11760.5	12346.8	13723.0	9957.5
60°	6765.8	6760.5	7692.2	8919.6	10357.8	11517.9	12121.8	12651.4	12897.6	14086.0	10524.2
62.5°	3738.9	3772.6	5012.4	6629.5	8792.0	10816.5	13168.6	14190.5	14153.4	14720.1	11411.6
65°	1861.5	1928.8	2601.8	3797.4	5850.1	8939.1	13349.2	16539.1	16432.8	16213.2	13244.7
67.5°	1181.4	1207.9	1579.9	2206.9	3251.9	5745.6	12224.6	18290.8	18537.0	17984.4	15063.7
70°	765.1	809.4	1098.1	1509.0	1962.4	2961.4	8955.0	17155.5	17720.5	17789.5	13930.2
72.5°	416.2	448.1	701.4	1076.9	1416.9	1480.7	5030.1	12874.6	13783.2	15090.3	10898.0
75°	237.3	260.4	384.3	731.5	1039.7	901.5	2229.9	8618.5	9197.6	10784.6	7809.1
77.5°	143.5	162.9	216.1	356.0	651.8	602.2	843.1	5246.2	5614.6	6434.6	4098.5
80°	65.5	77.9	136.4	196.6	356.0	285.2	322.4	2446.0	2525.7	2640.8	1356.7
82.5°	30.1	35.4	62.0	116.9	201.9	164.7	124.0	565.0	795.3	752.7	345.4
85°	3.5	3.5	23.0	47.8	56.7	42.5	51.4	127.5	161.2	226.7	99.2
87.5°	0.0	0.0	1.8	1.8	3.5	5.3	10.6	15.9	23.0	37.2	24.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P637885

CATALOG NUMBER: GWS-SA4D-760-U-T2-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2153.7	2153.7	2153.7	2153.7	2153.7	2153.7	2153.7	2153.7	2153.7	2153.7	2153.7
2.5°	2187.4	2137.8	2093.5	2028.0	1983.7	1934.1	1900.5	1859.7	1843.8	1831.4	1813.7
5°	2237.0	2157.3	2049.2	1928.8	1829.6	1735.7	1649.0	1592.3	1542.7	1535.6	1510.8
7.5°	2318.5	2199.8	2017.4	1820.8	1652.5	1496.6	1374.4	1275.2	1225.6	1209.7	1181.4
10°	2426.5	2263.5	1969.5	1668.4	1425.8	1239.8	1101.7	990.1	912.1	883.8	862.6
12.5°	2546.9	2322.0	1893.4	1480.7	1204.4	991.9	816.5	697.8	648.2	630.5	614.6
15°	2685.1	2376.9	1772.9	1292.9	988.3	729.7	605.7	554.4	533.1	527.8	522.5
17.5°	2817.9	2412.3	1629.5	1098.1	759.8	566.8	508.3	488.8	483.5	478.2	474.7
20°	2968.5	2437.1	1461.2	913.9	589.8	480.0	451.6	437.5	426.8	416.2	414.5
22.5°	3122.6	2437.1	1278.8	733.3	494.2	430.4	398.5	371.9	352.5	341.8	338.3
25°	3269.6	2403.5	1098.1	586.3	435.7	382.6	341.8	311.7	285.2	272.8	269.2
27.5°	3374.1	2316.7	940.5	495.9	395.0	340.1	290.5	256.8	235.6	223.2	221.4
30°	3439.6	2187.4	795.3	442.8	359.5	295.8	246.2	217.9	201.9	193.1	189.5
32.5°	3489.2	2028.0	666.0	405.6	325.9	256.8	214.3	191.3	177.1	170.0	168.3
35°	3588.4	1877.4	570.3	371.9	290.5	224.9	187.7	170.0	159.4	150.5	148.8
37.5°	3726.5	1751.7	494.2	341.8	256.8	200.1	170.0	154.1	145.2	136.4	134.6
40°	3930.2	1672.0	437.5	311.7	226.7	180.7	155.9	141.7	129.3	120.4	118.7
42.5°	4243.7	1634.8	400.3	281.6	200.1	162.9	143.5	125.8	113.4	104.5	102.7
45°	4617.4	1654.3	368.4	251.5	182.4	150.5	127.5	109.8	97.4	88.6	86.8
47.5°	5017.7	1723.3	341.8	223.2	164.7	138.2	113.4	93.9	83.2	74.4	72.6
50°	5435.7	1836.7	318.8	196.6	150.5	124.0	97.4	81.5	70.8	63.8	62.0
52.5°	5798.8	1990.8	295.8	177.1	138.2	109.8	85.0	70.8	60.2	53.1	51.4
55°	6145.9	2136.0	278.1	159.4	124.0	95.6	74.4	60.2	51.4	44.3	42.5
57.5°	6523.2	2290.1	256.8	143.5	111.6	85.0	65.5	51.4	44.3	37.2	35.4
60°	7072.2	2518.6	224.9	131.1	97.4	74.4	56.7	46.1	39.0	30.1	28.3
62.5°	7864.0	2934.8	189.5	113.4	83.2	63.8	47.8	39.0	31.9	24.8	21.3
65°	9344.6	3643.3	155.9	93.9	67.3	53.1	40.7	31.9	24.8	17.7	15.9
67.5°	10410.9	3827.5	125.8	76.2	54.9	40.7	33.7	24.8	17.7	12.4	10.6
70°	9102.0	2748.8	97.4	62.0	46.1	31.9	26.6	19.5	12.4	8.9	7.1
72.5°	6857.9	1796.0	72.6	47.8	35.4	26.6	19.5	15.9	10.6	7.1	5.3
75°	4833.5	1037.9	53.1	35.4	24.8	19.5	15.9	12.4	8.9	5.3	5.3
77.5°	2477.9	428.6	37.2	24.8	17.7	12.4	10.6	7.1	7.1	5.3	3.5
80°	752.7	141.7	21.3	15.9	12.4	8.9	5.3	5.3	5.3	3.5	1.8
82.5°	171.8	46.1	12.4	12.4	8.9	7.1	5.3	1.8	1.8	0.0	0.0
85°	44.3	14.2	10.6	8.9	8.9	7.1	3.5	1.8	0.0	0.0	0.0
87.5°	15.9	8.9	8.9	8.9	7.1	5.3	3.5	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)