

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: P630257

Luminaire Tested: GWS-SA1D-730-U-T4W-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630257
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-52)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-730-U-T4W-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: (16) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5474.5 lumens
Efficiency: N/A
Efficacy: 123.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

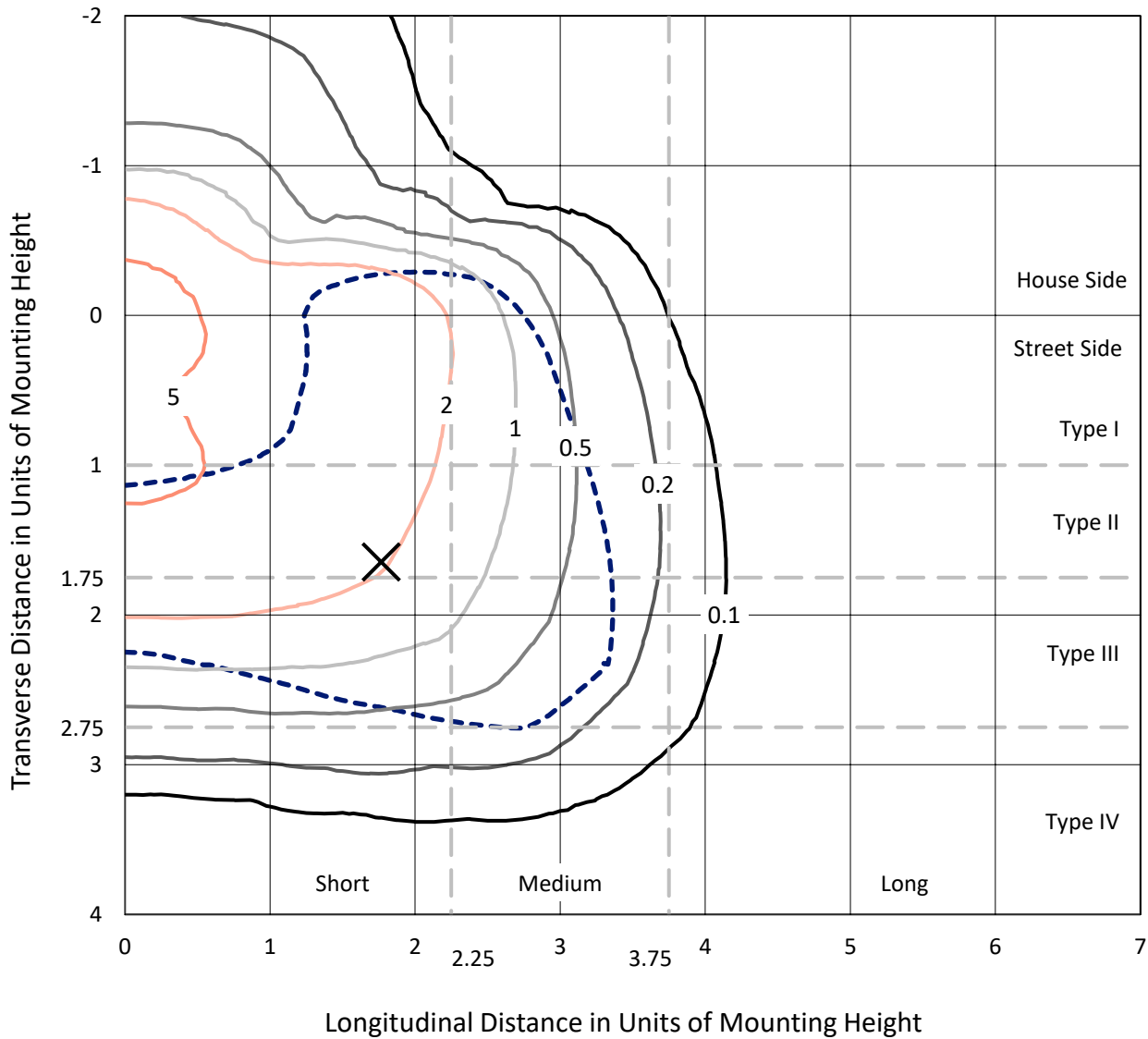
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

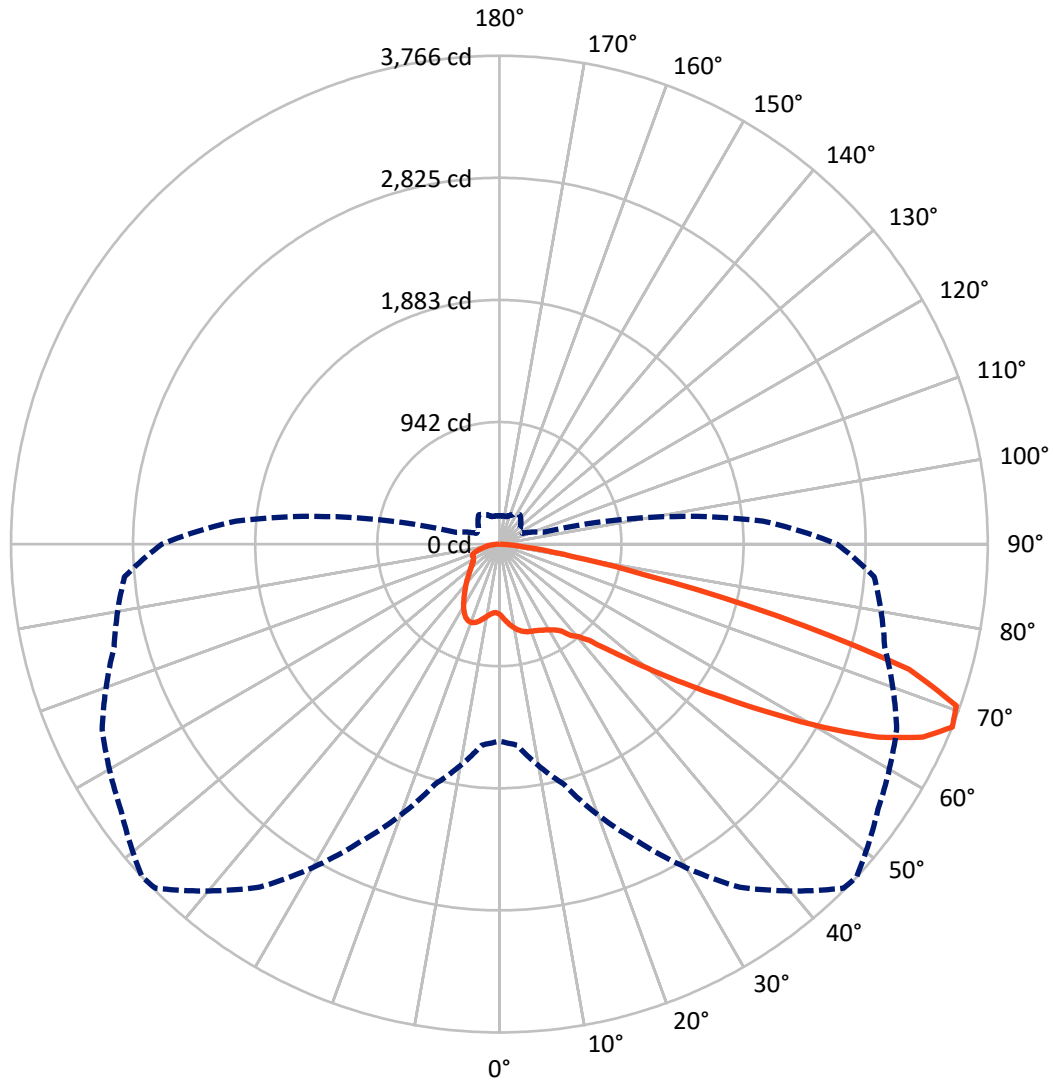
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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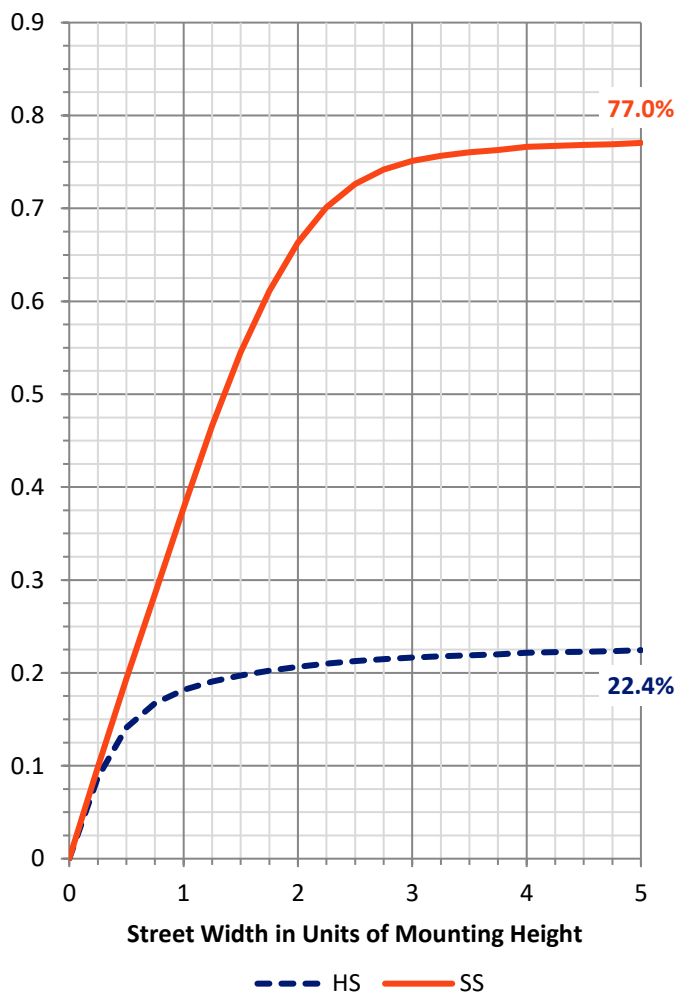
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1247.7	0.0	1247.7
	% Fixture	22.8	0.0	22.8
Street Side	Lumens	4226.8	0.0	4226.8
	% Fixture	77.2	0.0	77.2
Total	Lumens	5474.5	0.0	5474.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.5	1.0
10°-20°	184.8	3.4
20°-30°	314.1	5.7
30°-40°	460.1	8.4
40°-50°	701.0	12.8
50°-60°	1254.3	22.9
60°-70°	1673.7	30.6
70°-80°	756.9	13.8
80°-90°	74.2	1.4
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°	5474.5	100.0
0°-180°	5474.5	100.0

Coefficient of Utilization



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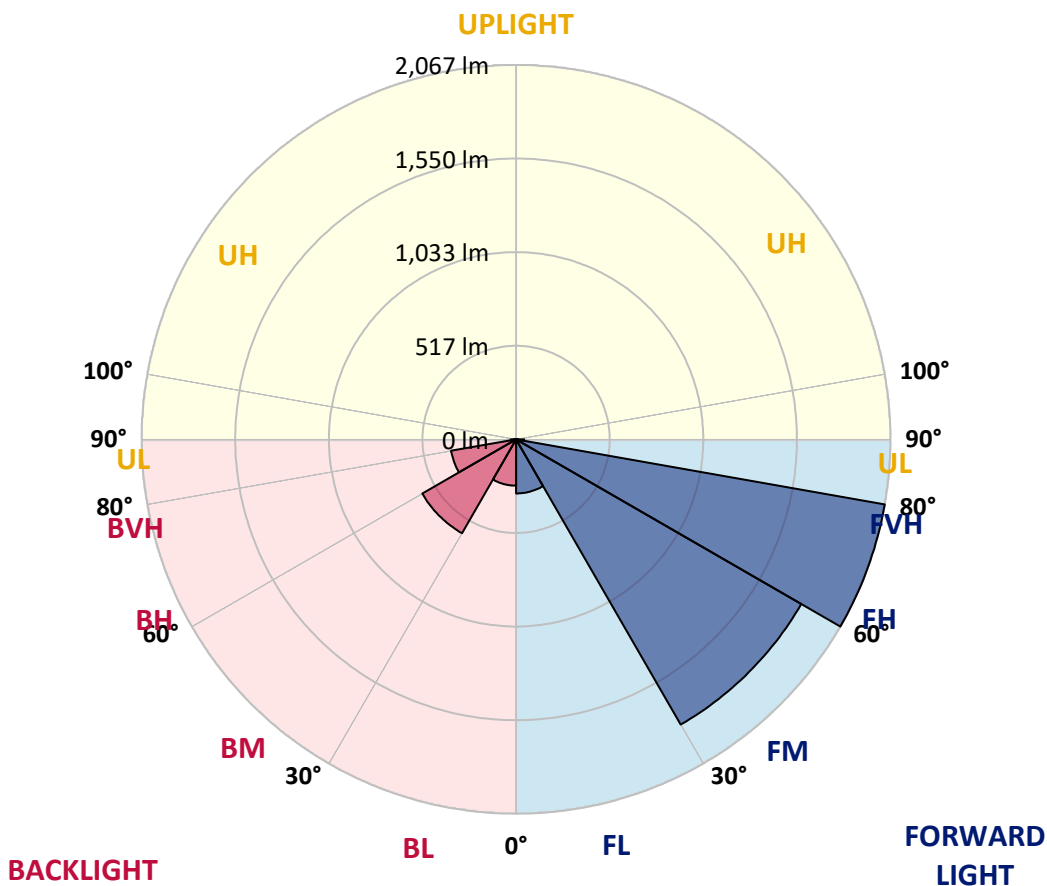
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	298.6	5.5			
FM (30°-60°)	1817.6	33.2			
FH (60°-80°)	2066.6	37.7			G2/5000
FVH (80°-90°)	44.1	0.8			G1/100
BL (0°-30°)	255.8	4.7	B1/500		
BM (30°-60°)	597.8	10.9	B1/1000		
BH (60°-80°)	364.0	6.6	B1/500		G1/500
BVH (80°-90°)	30.0	0.5			G1/100
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°	47°	55°	65°	75°	85°
0°	542.7	542.7	542.7	542.7	542.7	542.7	542.7	542.7	542.7	542.7	542.7
2.5°	578.7	580.7	580.3	577.1	575.2	571.6	572.0	566.4	558.1	552.6	546.3
5°	629.8	632.9	629.0	623.8	615.9	604.4	603.3	590.6	574.8	563.7	552.2
7.5°	674.1	676.1	671.3	662.6	651.2	635.7	632.9	617.9	598.1	580.7	564.1
10°	708.6	710.9	704.6	693.1	678.1	662.6	660.7	645.2	624.2	603.7	582.7
12.5°	737.8	738.6	731.9	716.5	700.2	684.4	682.4	668.2	648.8	627.8	604.8
15°	754.9	755.3	746.9	729.9	714.5	700.6	699.4	687.2	669.4	649.6	625.0
17.5°	753.7	754.5	748.5	733.5	720.0	711.7	710.5	702.6	688.8	670.9	646.4
20°	739.0	739.8	735.9	726.0	718.8	716.5	716.9	714.5	706.2	691.5	666.6
22.5°	727.6	728.7	725.2	718.1	717.3	722.8	724.0	725.2	721.2	708.2	684.0
25°	733.1	735.1	729.5	719.6	721.2	733.5	735.9	739.8	736.7	725.6	704.6
27.5°	771.5	772.7	758.4	738.2	733.5	746.6	750.1	756.4	754.1	743.8	727.6
30°	860.6	859.8	829.3	779.8	760.0	765.2	767.9	777.0	777.8	771.1	755.7
32.5°	986.0	982.1	935.0	856.2	798.8	786.1	789.3	801.6	810.7	803.6	782.6
35°	1118.6	1115.1	1063.2	971.0	870.5	826.5	823.0	832.5	846.3	826.5	796.4
37.5°	1244.9	1239.4	1186.3	1072.3	958.7	897.4	892.2	882.7	874.4	836.4	813.5
40°	1385.0	1378.7	1332.4	1203.4	1056.1	951.6	938.5	900.9	893.4	869.3	857.8
42.5°	1534.7	1534.7	1496.3	1369.2	1173.7	1029.2	1012.2	955.6	963.5	947.6	934.2
45°	1684.3	1688.7	1658.2	1536.3	1330.8	1175.6	1148.3	1068.0	1087.0	1079.9	1073.1
47.5°	1811.8	1820.1	1814.1	1706.9	1523.2	1353.8	1312.2	1228.7	1269.5	1286.5	1305.5
50°	1949.1	1958.2	1952.3	1909.9	1748.4	1569.5	1532.3	1446.0	1516.1	1567.1	1629.3
52.5°	2153.0	2166.0	2116.6	2100.3	2021.9	1814.5	1781.3	1683.1	1810.2	1894.9	2033.4
55°	2325.2	2324.8	2307.3	2344.6	2315.7	2114.2	2077.4	1988.3	2150.6	2240.5	2443.1
57.5°	2405.1	2414.6	2474.4	2579.7	2637.5	2480.3	2445.1	2354.1	2516.0	2562.7	2781.6
60°	2446.3	2458.2	2573.7	2782.0	2937.5	2880.1	2866.3	2750.3	2841.3	2835.8	3067.0
62.5°	2388.5	2412.2	2597.9	2874.6	3151.7	3281.9	3277.6	3102.2	3118.0	3063.8	3243.9
65°	2123.3	2149.0	2440.4	2828.3	3274.0	3587.5	3588.7	3420.8	3330.6	3174.6	3214.2
67.5°	1518.4	1555.3	1915.5	2530.6	3230.8	3752.6	3766.4	3565.3	3380.5	3076.5	2902.3
70°	827.7	854.6	1136.9	1839.5	2842.1	3713.0	3738.7	3495.7	3160.4	2661.2	2234.1
72.5°	376.0	384.8	528.8	1009.4	1941.6	3196.0	3303.7	3119.6	2595.5	1965.7	1420.7
75°	172.2	176.1	230.4	482.9	1014.5	2138.7	2214.3	2323.6	1806.2	1241.4	740.6
77.5°	108.1	109.3	131.0	220.9	505.9	1067.6	1147.1	1383.5	1057.7	614.3	309.5
80°	63.7	64.9	81.5	119.5	237.5	488.5	564.1	547.1	497.2	265.2	140.9
82.5°	32.1	33.3	47.1	68.1	129.4	194.4	228.8	230.0	185.3	143.7	79.6
85°	11.5	11.9	15.4	26.9	55.0	64.1	71.6	87.5	90.6	83.5	38.4
87.5°	0.0	0.0	0.4	0.8	1.6	6.3	6.7	12.7	26.5	29.7	15.4
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°	542.7	542.7	542.7	542.7	542.7	542.7	542.7	542.7	542.7	542.7	542.7
2.5°	544.3	538.3	536.4	534.4	531.2	530.0	527.7	525.3	525.3	522.9	521.7
5°	547.1	539.1	534.0	531.6	529.6	530.8	530.8	531.6	534.4	532.8	533.6
7.5°	556.9	547.8	540.7	538.7	538.7	543.5	546.7	550.6	555.8	556.6	556.6
10°	574.4	563.7	556.2	555.0	556.9	563.7	568.4	573.2	579.5	579.9	580.7
12.5°	593.4	582.7	575.2	576.7	578.7	587.4	592.6	596.5	602.9	602.9	602.5
15°	613.2	601.3	594.9	598.1	604.1	613.9	614.7	615.1	618.3	617.5	617.1
17.5°	633.7	621.1	616.3	621.1	627.4	632.2	628.2	622.7	621.5	619.9	619.1
20°	653.9	640.9	638.9	642.4	644.4	640.5	628.2	617.9	613.2	610.8	610.0
22.5°	671.3	660.3	659.1	659.1	649.2	635.3	617.1	603.3	596.9	593.8	593.0
25°	691.9	681.6	679.7	669.0	643.6	618.3	593.8	581.1	575.9	574.4	574.8
27.5°	716.1	708.9	702.6	672.1	627.8	588.2	560.5	555.0	553.0	555.0	556.2
30°	745.8	738.6	724.4	668.2	602.5	549.0	522.5	522.1	528.1	533.2	534.0
32.5°	769.9	766.7	743.4	655.5	566.8	505.9	483.3	484.9	495.6	502.7	503.9
35°	788.9	794.1	759.2	634.5	524.5	465.1	447.3	448.1	454.0	463.9	464.3
37.5°	815.8	833.2	773.5	602.5	475.8	429.9	413.7	407.7	406.9	409.7	410.5
40°	870.1	896.2	783.8	555.8	428.7	398.2	380.0	368.5	358.6	351.1	348.7
42.5°	952.0	982.1	789.7	499.2	386.7	366.9	346.4	331.7	314.3	298.5	292.9
45°	1102.4	1112.3	789.7	439.0	349.5	337.7	317.1	299.7	277.5	258.9	254.9
47.5°	1343.1	1311.4	790.5	380.8	316.7	311.9	294.1	274.3	249.8	234.3	232.0
50°	1705.7	1594.4	806.7	332.5	289.4	290.2	277.1	255.3	233.1	221.7	219.7
52.5°	2116.6	1943.2	850.3	296.9	266.4	272.3	265.2	244.2	224.4	214.5	212.6
55°	2502.9	2263.8	887.5	271.5	247.0	257.3	256.9	237.5	219.7	209.8	208.6
57.5°	2831.4	2483.5	881.9	251.0	230.4	243.4	249.4	233.1	216.5	208.2	207.0
60°	3035.7	2599.9	803.2	232.0	217.7	233.5	245.0	232.0	218.1	216.1	216.5
62.5°	3124.4	2578.5	651.9	217.7	209.4	228.8	249.8	240.3	232.8	237.5	240.3
65°	2986.6	2394.8	479.8	207.0	201.5	230.0	260.9	253.3	232.8	235.9	237.1
67.5°	2604.2	2038.6	346.8	196.3	191.6	233.5	276.7	251.4	219.3	219.3	216.9
70°	1876.7	1466.2	251.8	185.6	181.7	228.4	277.5	237.9	203.9	202.7	196.7
72.5°	1129.3	864.9	196.3	173.8	166.6	202.7	260.1	222.1	188.8	178.9	171.8
75°	586.6	433.4	164.7	160.7	142.9	171.8	237.9	197.5	161.5	152.8	148.8
77.5°	251.4	202.7	141.3	143.3	118.8	144.5	192.0	171.0	143.3	132.2	128.6
80°	123.9	115.2	111.6	114.8	95.0	111.6	165.5	149.6	121.5	108.9	103.7
82.5°	70.9	67.3	80.4	81.5	67.7	93.4	139.7	126.7	100.5	86.7	78.4
85°	32.9	35.2	48.7	49.1	42.0	64.1	91.4	71.3	53.4	44.3	42.4
87.5°	13.1	15.4	21.4	21.0	12.3	11.9	7.9	4.4	3.6	3.2	2.8
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)