

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: P635304

Luminaire Tested: GWS-SA3D-740-U-T2R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635304
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-14)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-740-U-T2R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14192.6 lumens
Efficiency: N/A
Efficacy: 117.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

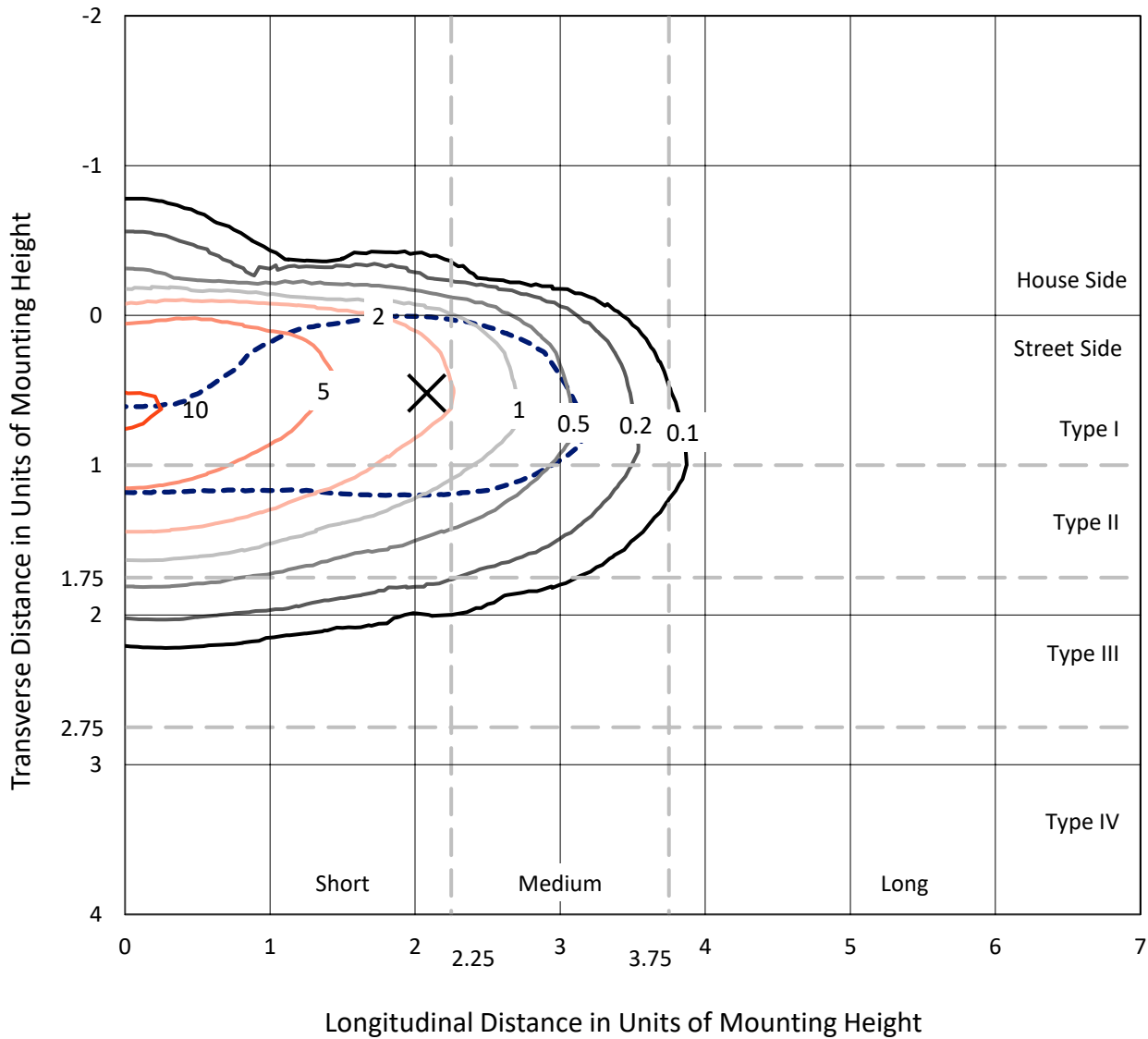
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

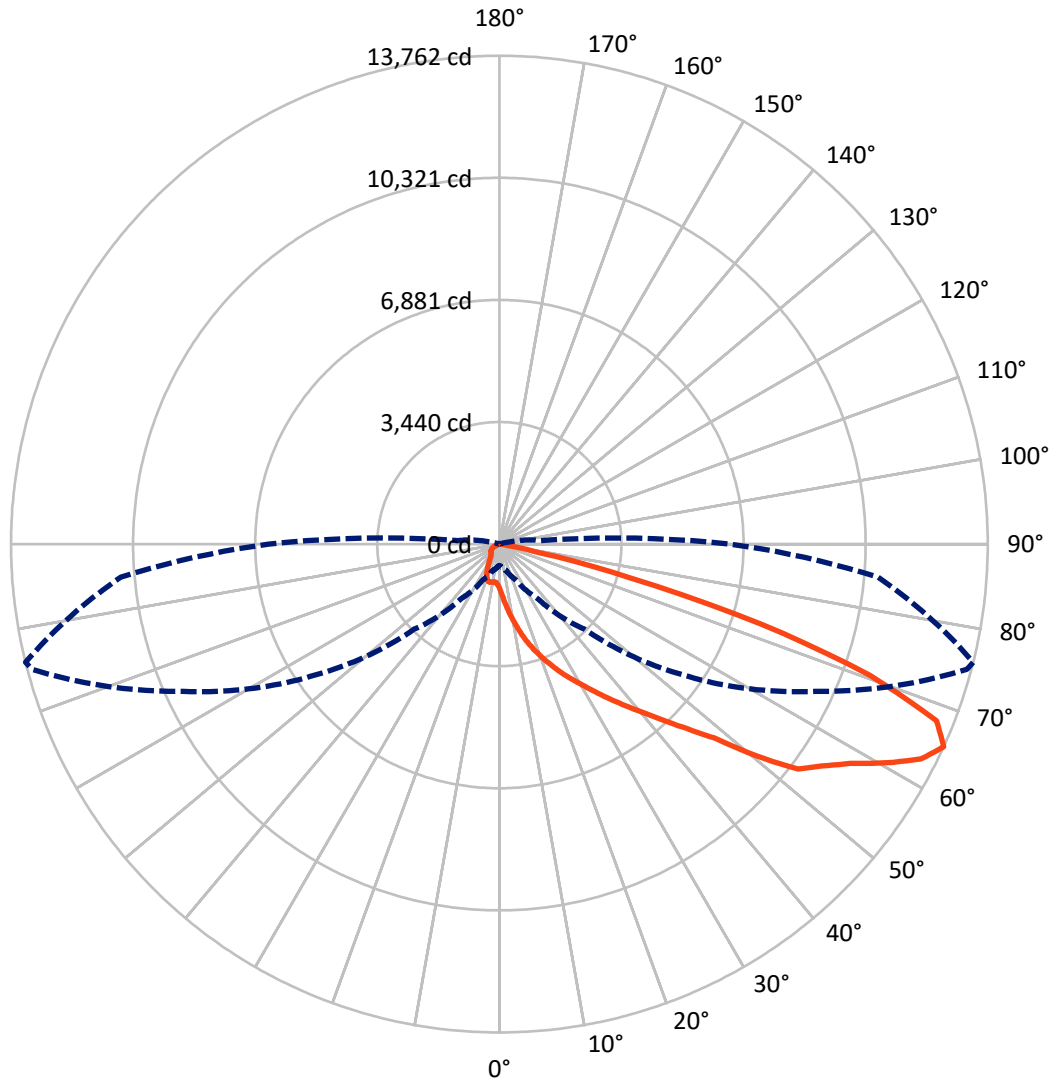
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 10.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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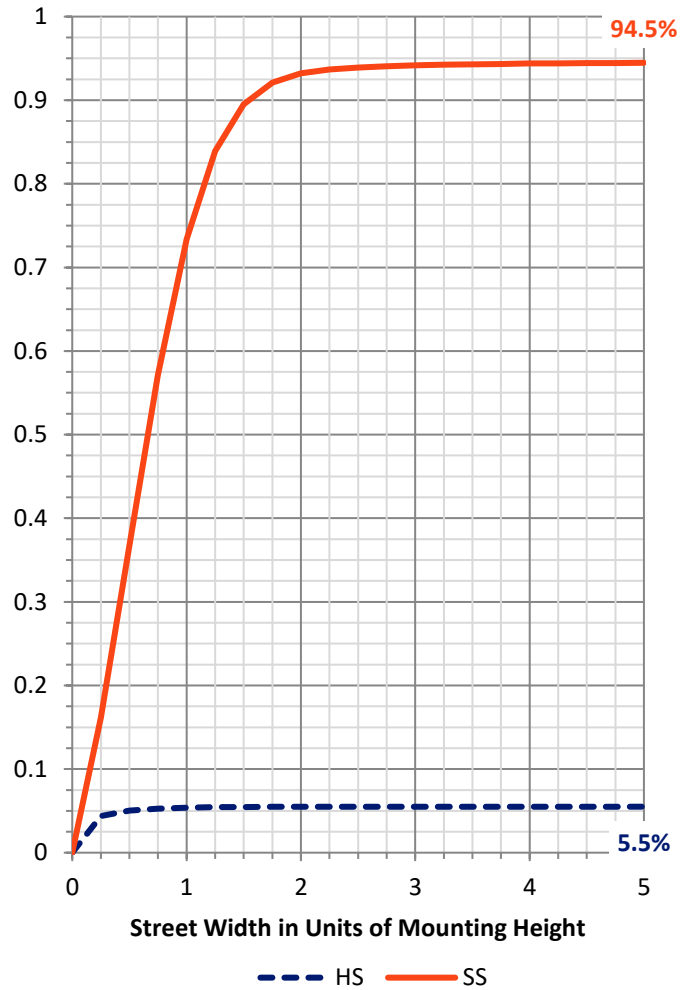
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	784.8	0.0	784.8
	% Fixture	5.5	0.0	5.5
Street Side	Lumens	13407.8	0.0	13407.8
	% Fixture	94.5	0.0	94.5
Total	Lumens	14192.6	0.0	14192.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.9	1.1
10°-20°	580.1	4.1
20°-30°	1183.4	8.3
30°-40°	2104.7	14.8
40°-50°	3111.3	21.9
50°-60°	3562.1	25.1
60°-70°	2717.8	19.1
70°-80°	761.3	5.4
80°-90°	19.2	0.1
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°	14192.6	100.0
0°-180°	14192.6	100.0

Coefficient of Utilization



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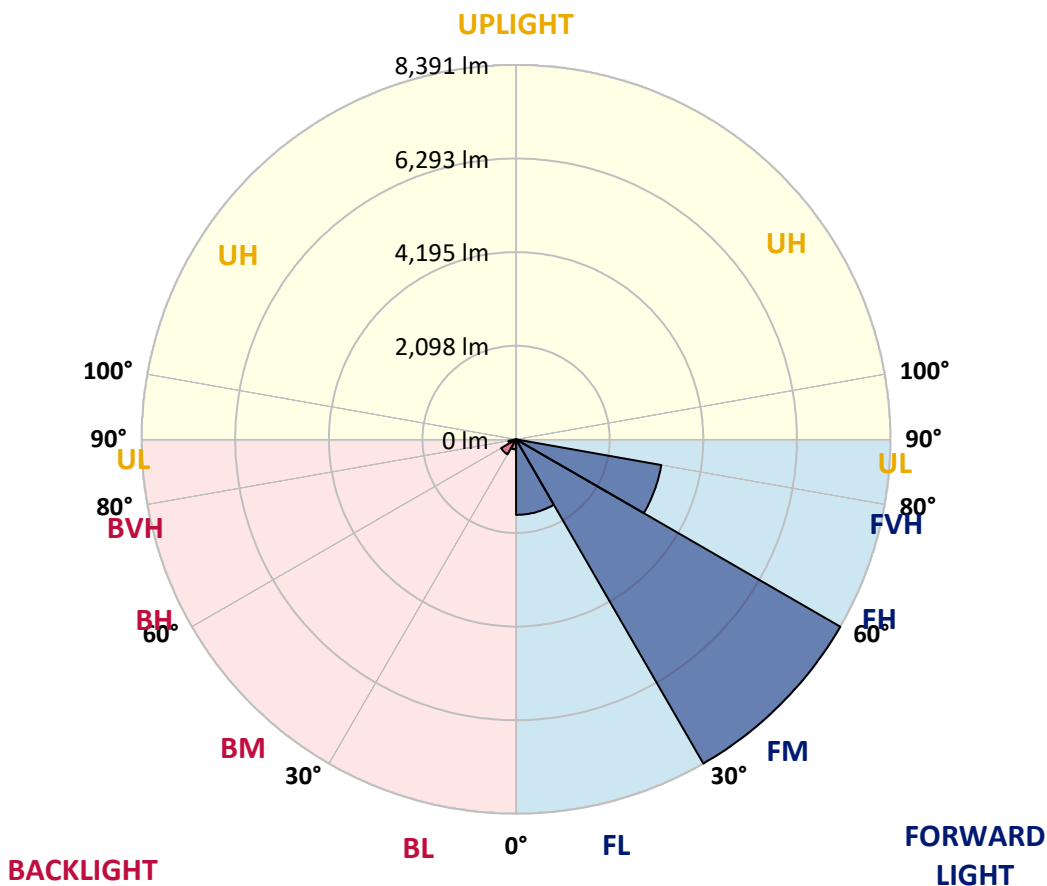
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1692.4	11.9			
FM (30°-60°)	8390.9	59.1			
FH (60°-80°)	3306.5	23.3			G2/5000
FVH (80°-90°)	18.0	0.1			G1/100
BL (0°-30°)	223.9	1.6	B1/500		
BM (30°-60°)	387.2	2.7	B1/1000		
BH (60°-80°)	172.5	1.2	B1/500		G1/500
BVH (80°-90°)	1.1	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1256.6	1256.6	1256.6	1256.6	1256.6	1256.6	1256.6	1256.6	1256.6	1256.6	1256.6
2.5°	1936.6	1965.6	1942.9	1905.0	1831.9	1761.2	1670.4	1545.5	1445.8	1433.2	1339.8
5°	2615.3	2612.8	2563.6	2514.4	2437.4	2316.3	2133.4	1901.2	1677.9	1659.0	1449.6
7.5°	3019.0	3022.8	2995.1	2957.2	2881.5	2756.6	2566.1	2286.0	1959.3	1921.4	1599.7
10°	3358.4	3357.1	3337.0	3319.3	3251.2	3167.9	2963.5	2655.7	2262.1	2202.8	1767.5
12.5°	3613.2	3622.1	3632.2	3649.8	3620.8	3538.8	3345.8	3010.2	2568.6	2503.0	1959.3
15°	3815.1	3817.6	3855.5	3923.6	3947.6	3904.7	3729.3	3353.4	2871.4	2814.7	2180.1
17.5°	3875.7	3880.7	3945.1	4070.0	4196.1	4220.1	4087.6	3699.0	3169.2	3108.6	2394.5
20°	4003.1	4014.4	4062.4	4172.1	4331.1	4459.8	4408.1	4048.5	3466.9	3387.4	2614.1
22.5°	4404.3	4410.6	4394.2	4408.1	4490.1	4638.9	4670.5	4386.6	3772.2	3687.7	2851.2
25°	5094.4	5096.9	4982.1	4873.6	4811.8	4839.5	4908.9	4698.2	4075.0	3991.7	3072.0
27.5°	5811.0	5819.8	5682.3	5498.1	5277.3	5151.2	5131.0	4983.4	4380.3	4288.2	3290.3
30°	6485.9	6485.9	6340.8	6116.3	5821.1	5575.1	5430.0	5271.0	4707.1	4606.1	3513.6
32.5°	7092.8	7087.7	6902.3	6658.8	6367.3	6097.4	5792.0	5571.3	5070.4	4958.1	3770.9
35°	7593.6	7581.0	7370.3	7136.9	6825.3	6624.7	6284.1	5894.2	5464.0	5351.7	4035.9
37.5°	7972.1	7958.2	7765.2	7517.9	7229.0	7099.1	6814.0	6281.6	5879.1	5776.9	4329.8
40°	8177.8	8150.0	8016.3	7832.1	7589.8	7476.3	7357.7	6762.2	6367.3	6239.9	4676.8
42.5°	8238.3	8205.5	8117.2	8031.4	7885.1	7795.5	7922.9	7304.7	6903.5	6793.8	5072.9
45°	8059.2	8040.2	8032.7	8094.5	8121.0	8146.2	8460.4	7905.2	7495.2	7412.0	5571.3
47.5°	7627.7	7622.6	7689.5	7946.9	8227.0	8493.2	9044.5	8645.8	8262.3	8172.7	6267.7
50°	6830.4	6882.1	7068.8	7520.5	8080.6	8690.0	9590.8	9672.8	9503.7	9372.5	7176.0
52.5°	5583.9	5683.5	6102.4	6788.7	7593.6	8634.5	9843.1	10495.3	10668.2	10531.9	7827.0
55°	4381.6	4474.9	4848.4	5718.9	6792.5	8211.8	9854.4	10779.2	11156.4	11030.2	8267.3
57.5°	3263.8	3349.6	3688.9	4521.6	5702.5	7380.4	9584.4	10936.9	11735.5	11654.7	8962.5
60°	2133.4	2217.9	2524.5	3252.4	4423.2	6169.3	8919.6	10904.1	12524.0	12516.4	9816.6
62.5°	1183.4	1250.3	1472.3	2040.0	3087.2	4777.7	7875.0	10574.8	13287.3	13335.2	10520.6
65°	605.6	648.5	783.5	1121.6	1868.4	3387.4	6501.1	9820.4	13640.5	13761.6	10706.0
67.5°	396.1	410.0	442.8	582.9	1000.5	2130.9	4892.5	8610.5	13143.4	13284.7	10084.0
70°	321.7	333.1	352.0	388.6	516.0	1131.7	3213.3	6877.0	10982.3	11078.2	8030.1
72.5°	235.9	251.1	287.6	311.6	372.2	620.7	1671.6	4514.0	7541.9	7711.0	5046.4
75°	174.1	182.9	213.2	246.0	304.0	392.4	639.6	2373.1	3894.6	3796.2	2119.5
77.5°	104.7	111.0	136.3	157.7	217.0	244.8	223.3	876.8	1184.7	1114.0	512.2
80°	51.7	58.0	89.6	118.6	138.8	98.4	93.4	244.8	263.7	263.7	128.7
82.5°	17.7	22.7	47.9	78.2	68.1	37.8	44.2	63.1	70.7	74.4	37.8
85°	0.0	0.0	11.4	22.7	10.1	5.0	11.4	13.9	17.7	18.9	12.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	3.8	5.0	5.0
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°	1256.6	1256.6	1256.6	1256.6	1256.6	1256.6	1256.6	1256.6	1256.6	1256.6	1256.6
2.5°	1289.4	1230.1	1140.5	1059.8	997.9	939.9	895.7	860.4	854.1	833.9	836.4
5°	1347.4	1240.2	1074.9	947.5	857.9	797.3	746.9	709.0	692.6	676.2	663.6
7.5°	1437.0	1281.8	1049.7	894.5	789.8	696.4	618.2	555.1	524.8	505.9	493.3
10°	1546.7	1339.8	1050.9	862.9	707.8	565.2	458.0	388.6	355.8	345.7	344.4
12.5°	1677.9	1413.0	1061.0	811.2	589.2	420.1	339.4	307.8	297.7	288.9	288.9
15°	1816.7	1495.0	1061.0	716.6	449.1	328.0	294.0	273.8	261.2	256.1	253.6
17.5°	1963.1	1572.0	1035.8	586.6	344.4	288.9	261.2	242.2	232.1	224.6	222.0
20°	2119.5	1645.1	972.7	449.1	295.2	258.6	232.1	213.2	203.1	195.5	195.5
22.5°	2278.5	1713.3	870.5	345.7	261.2	229.6	204.4	186.7	176.6	169.1	169.1
25°	2426.1	1758.7	739.3	285.1	235.9	204.4	181.7	164.0	152.7	147.6	145.1
27.5°	2563.6	1787.7	594.2	251.1	212.0	182.9	159.0	142.6	133.7	129.9	127.4
30°	2706.2	1795.3	454.2	228.4	191.8	161.5	138.8	126.2	118.6	113.5	113.5
32.5°	2844.9	1786.4	346.9	209.4	174.1	142.6	123.6	112.3	106.0	102.2	100.9
35°	2986.2	1746.1	281.3	193.0	156.4	124.9	109.8	100.9	97.1	92.1	92.1
37.5°	3140.1	1691.8	244.8	176.6	138.8	112.3	98.4	92.1	87.1	83.3	82.0
40°	3331.9	1628.7	224.6	162.7	122.4	100.9	88.3	82.0	78.2	74.4	73.2
42.5°	3559.0	1566.9	214.5	147.6	109.8	89.6	79.5	71.9	68.1	63.1	61.8
45°	3880.7	1553.0	203.1	131.2	98.4	80.7	69.4	61.8	56.8	53.0	51.7
47.5°	4398.0	1592.2	184.2	113.5	87.1	70.7	59.3	53.0	46.7	42.9	40.4
50°	4911.4	1582.1	165.3	98.4	77.0	60.6	50.5	44.2	37.8	34.1	32.8
52.5°	5191.5	1534.1	147.6	87.1	66.9	51.7	42.9	35.3	31.5	27.8	26.5
55°	5445.1	1515.2	129.9	75.7	56.8	45.4	35.3	29.0	26.5	22.7	21.4
57.5°	5942.2	1559.3	114.8	65.6	49.2	39.1	30.3	24.0	21.4	17.7	16.4
60°	6462.0	1564.4	98.4	56.8	42.9	32.8	24.0	18.9	16.4	12.6	11.4
62.5°	6733.2	1437.0	80.7	47.9	35.3	27.8	20.2	15.1	12.6	7.6	7.6
65°	6506.1	1161.9	68.1	39.1	27.8	21.4	15.1	11.4	7.6	3.8	1.3
67.5°	5758.0	826.4	56.8	31.5	20.2	15.1	11.4	7.6	1.3	0.0	0.0
70°	4216.3	471.8	44.2	22.7	15.1	10.1	7.6	3.8	0.0	0.0	0.0
72.5°	2591.3	252.3	32.8	15.1	11.4	7.6	6.3	2.5	0.0	0.0	0.0
75°	982.8	121.1	20.2	10.1	8.8	6.3	3.8	1.3	0.0	0.0	0.0
77.5°	266.2	59.3	11.4	7.6	6.3	3.8	2.5	0.0	0.0	0.0	0.0
80°	69.4	27.8	7.6	5.0	3.8	2.5	0.0	0.0	0.0	0.0	0.0
82.5°	24.0	12.6	3.8	3.8	2.5	1.3	0.0	0.0	0.0	0.0	0.0
85°	10.1	5.0	2.5	2.5	1.3	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.8	1.3	1.3	1.3	1.3	0.0	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)