

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: P636273

Luminaire Tested: GWS-SA3F-740-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636273
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-32)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-740-U-SL3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14301 lumens
Efficiency: N/A
Efficacy: 78.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G1

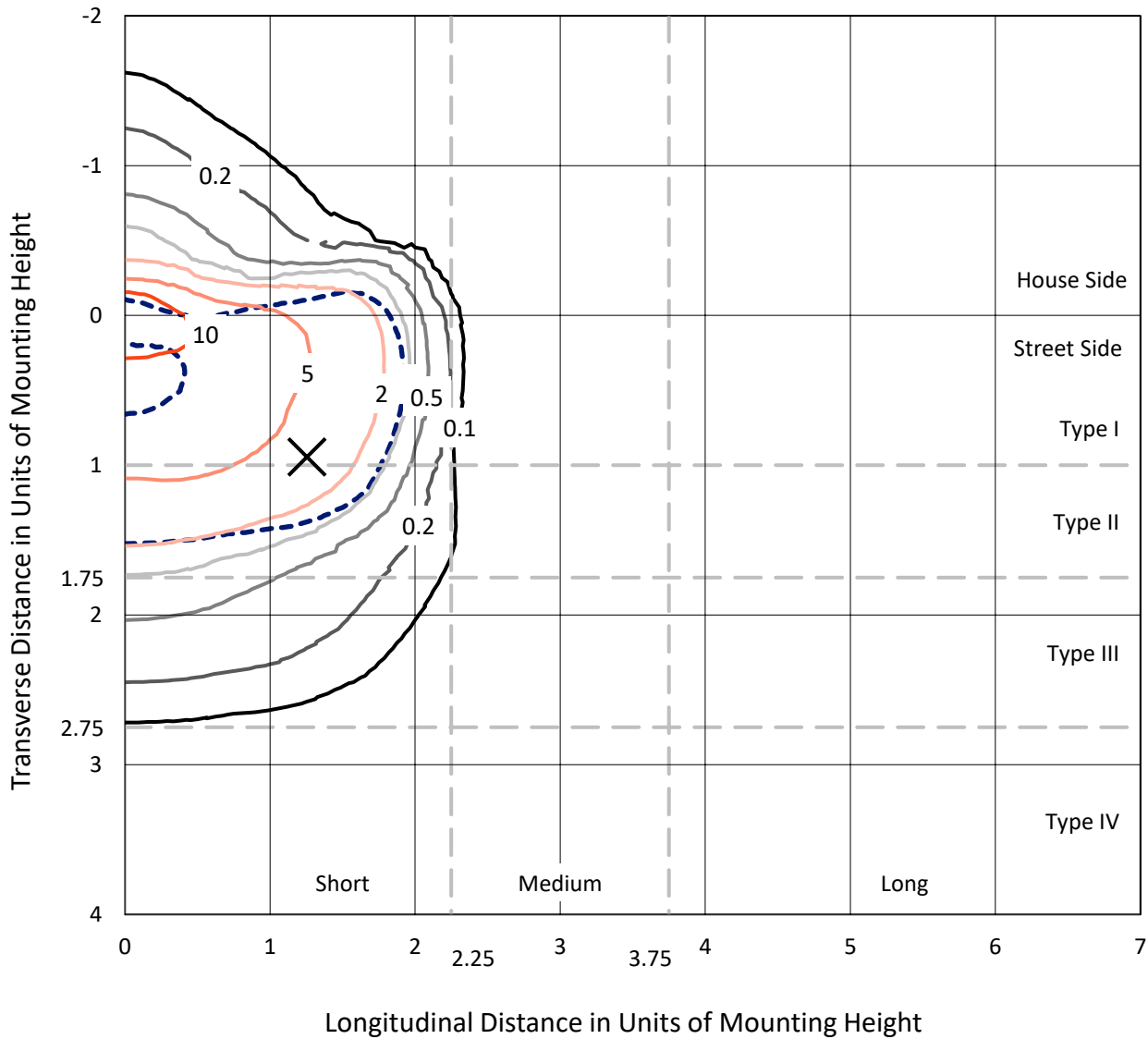
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

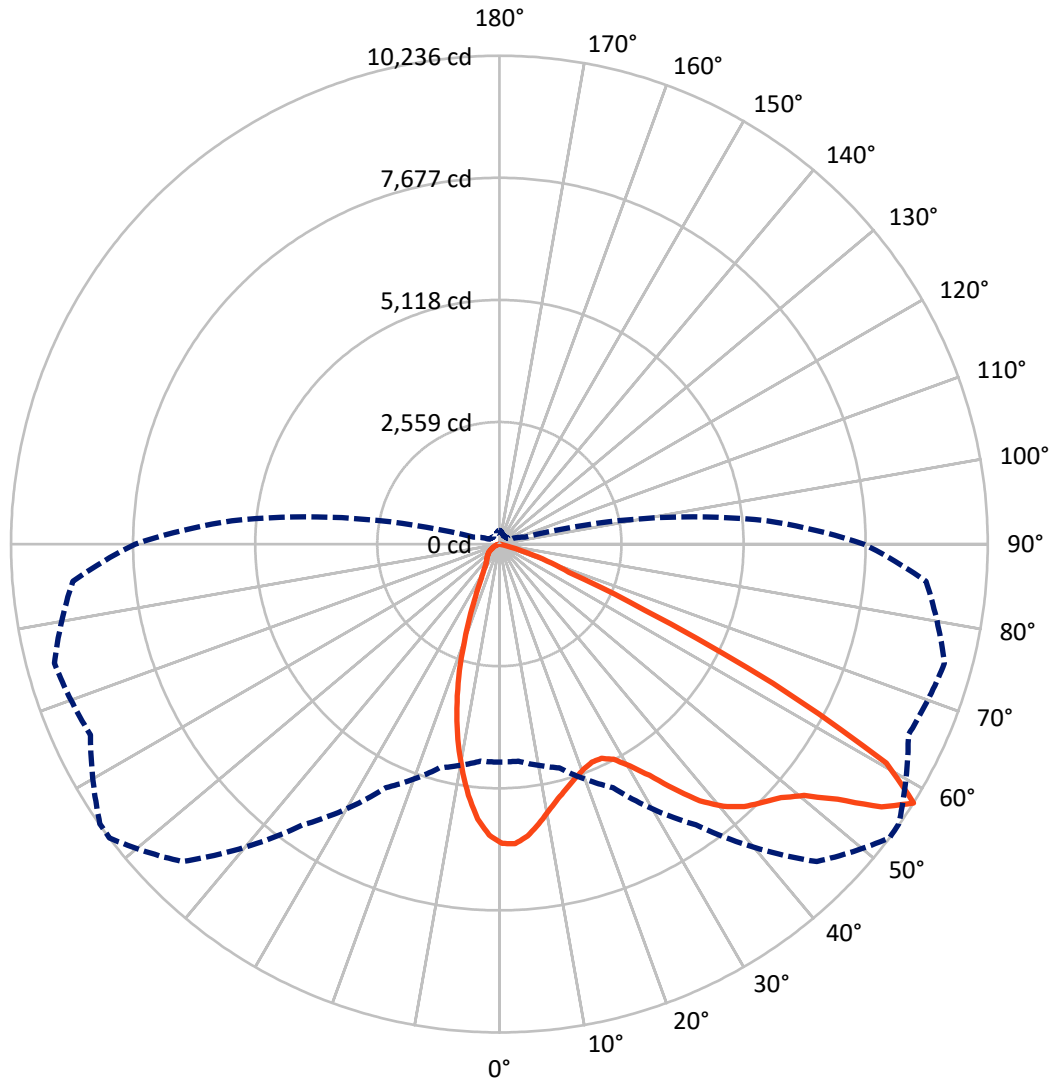
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 15.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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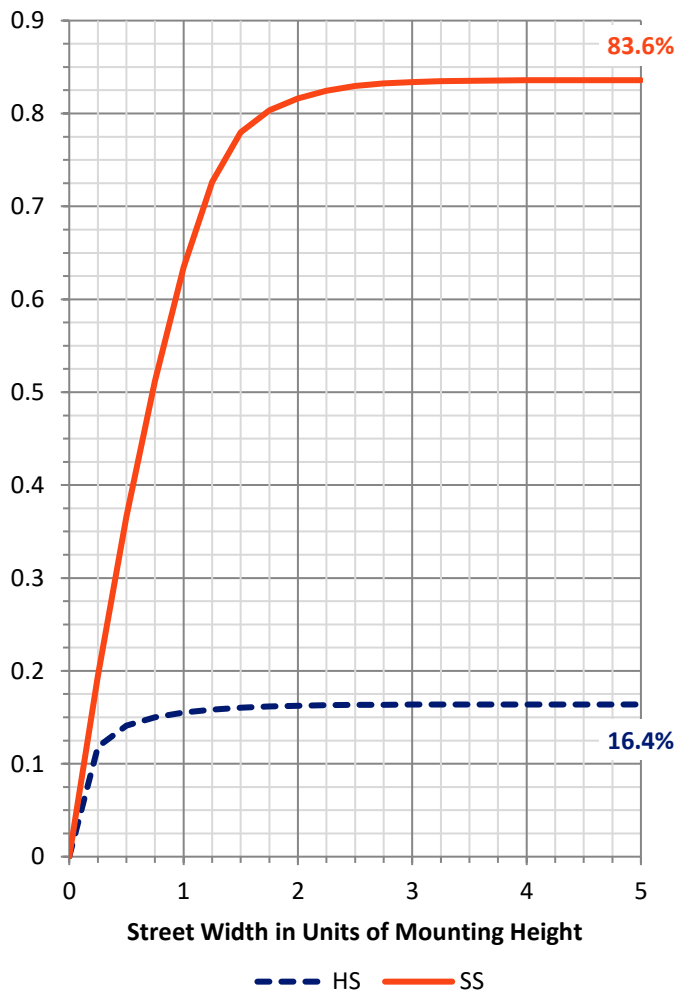
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2362.3	0.0	2362.3
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	11938.7	0.0	11938.7
	% Fixture	83.5	0.0	83.5
Total	Lumens	14301.0	0.0	14301.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	536.7	3.8
10°-20°	1178.3	8.2
20°-30°	1535.0	10.7
30°-40°	2226.6	15.6
40°-50°	3212.8	22.5
50°-60°	3885.6	27.2
60°-70°	1583.6	11.1
70°-80°	142.3	1.0
80°-90°	0.0	0.0
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°	14301.0	100.0
0°-180°	14301.0	100.0

Coefficient of Utilization



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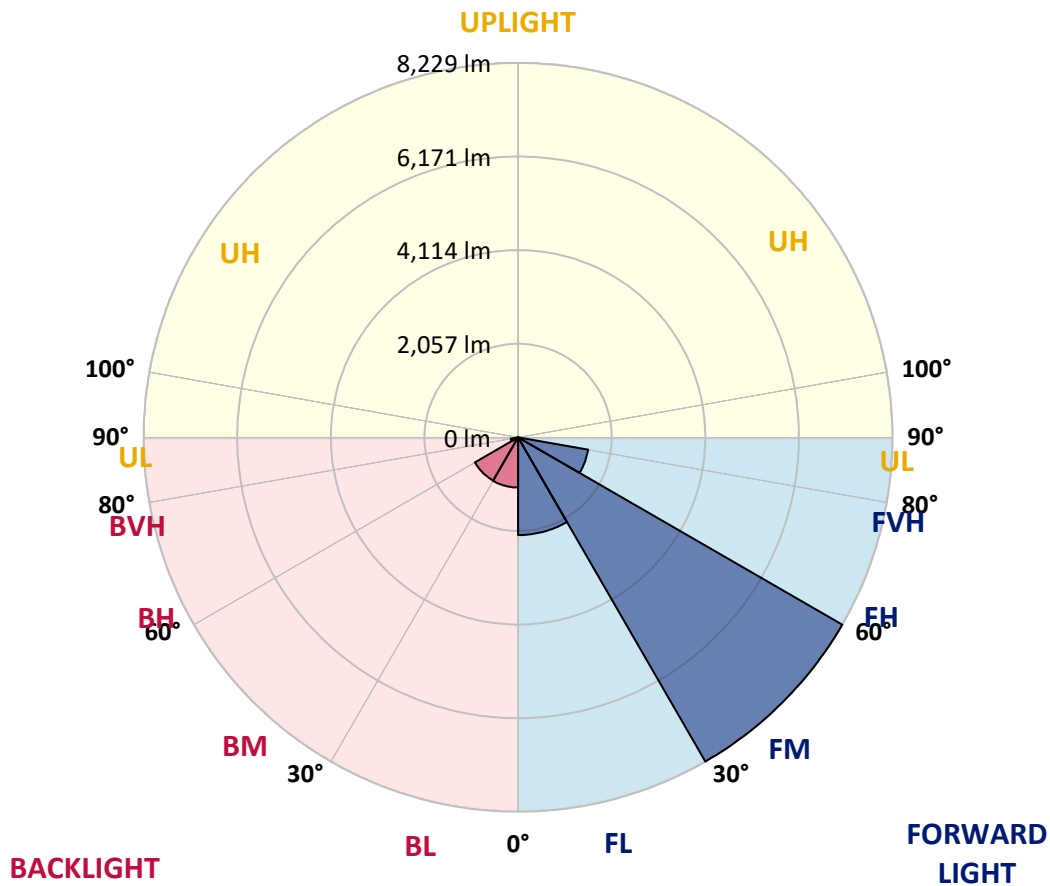
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2147.5	15.0			
FM (30°-60°)	8228.5	57.5			
FH (60°-80°)	1562.6	10.9			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	1102.5	7.7	B3/2500		
BM (30°-60°)	1096.5	7.7	B2/2500		
BH (60°-80°)	163.3	1.1	B1/500		G1/500
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	6273.2	6273.2	6273.2	6273.2	6273.2	6273.2	6273.2	6273.2	6273.2	6273.2	6273.2
2.5°	6185.6	6199.6	6224.2	6255.7	6276.7	6287.3	6287.3	6317.1	6297.8	6282.0	6264.5
5°	5920.9	5934.9	5968.2	6019.1	6069.9	6106.7	6148.8	6180.3	6192.6	6192.6	6162.8
7.5°	5547.6	5566.9	5587.9	5658.0	5768.4	5850.8	5922.7	5968.2	6034.9	6055.9	6013.8
10°	5146.2	5165.5	5212.8	5309.2	5435.4	5558.1	5680.8	5738.6	5852.6	5912.2	5864.8
12.5°	4806.1	4814.9	4878.0	4993.7	5155.0	5323.2	5472.2	5531.8	5693.1	5782.5	5726.4
15°	4525.7	4531.0	4594.1	4722.0	4907.8	5114.6	5302.2	5363.5	5561.6	5696.6	5612.4
17.5°	4313.6	4315.4	4369.7	4508.2	4702.7	4932.3	5155.0	5230.3	5486.2	5649.2	5523.0
20°	4206.7	4201.4	4240.0	4360.9	4545.0	4774.6	5037.5	5130.4	5444.2	5642.2	5454.7
22.5°	4208.4	4196.2	4212.0	4297.8	4453.8	4669.4	4963.9	5069.1	5447.7	5672.0	5396.8
25°	4308.4	4290.8	4294.3	4339.9	4450.3	4646.6	4974.4	5086.6	5517.8	5771.9	5375.8
27.5°	4476.6	4457.3	4457.3	4480.1	4539.7	4718.5	5105.9	5233.8	5705.3	5966.5	5419.6
30°	4694.0	4674.7	4667.7	4690.5	4739.5	4904.3	5398.6	5531.8	6026.1	6285.5	5559.8
32.5°	4942.9	4920.1	4932.3	4963.9	5011.2	5239.1	5775.4	5952.5	6427.5	6714.9	5812.3
35°	5205.8	5186.5	5242.6	5311.0	5384.6	5703.6	6296.0	6450.3	6920.0	7249.5	6197.9
37.5°	5456.4	5447.7	5565.1	5708.8	5861.3	6261.0	6825.4	6944.6	7342.4	7831.5	6669.4
40°	5707.1	5705.3	5906.9	6159.3	6402.9	6816.6	7226.8	7324.9	7600.1	8283.7	7121.6
42.5°	5987.5	5987.5	6266.2	6602.8	6927.0	7286.3	7521.2	7565.0	7715.8	8544.8	7461.6
45°	6255.7	6271.5	6594.0	6984.9	7368.7	7652.7	7724.5	7728.0	7763.1	8699.1	7743.8
47.5°	6467.8	6481.8	6867.4	7317.9	7731.6	7931.4	7941.9	7926.1	7887.6	8846.3	7961.2
50°	6639.6	6660.6	7063.7	7540.5	7980.5	8199.5	8280.2	8264.4	8166.2	9004.1	8113.7
52.5°	6723.7	6753.5	7132.1	7650.9	8257.4	8658.8	8883.1	8919.9	8583.4	9091.7	8259.1
55°	6050.6	6094.4	6443.3	7153.1	8411.6	9368.7	9721.0	9714.0	9035.6	9352.9	8613.2
57.5°	4569.5	4566.0	4855.2	5631.7	7184.7	9409.0	10236.3	10222.3	9458.1	9656.1	8976.0
60°	3111.2	3090.2	3167.3	3542.4	5023.5	7664.9	9316.1	9505.4	9158.3	8919.9	7621.1
62.5°	2560.8	2541.5	2517.0	2413.6	2885.1	4774.6	6436.2	6723.7	6678.1	6199.6	4779.9
65°	2096.3	2112.1	2180.5	2136.7	2006.9	2448.6	3340.8	3510.8	3209.4	2701.0	1670.4
67.5°	1546.0	1553.0	1642.4	1873.7	1803.6	1630.1	1572.3	1600.3	937.7	431.2	278.7
70°	913.2	918.5	1000.8	1311.1	1463.6	1251.5	1062.2	1046.4	371.6	115.7	126.2
72.5°	517.1	506.6	522.3	624.0	797.5	664.3	546.9	497.8	112.2	64.9	64.9
75°	245.4	238.4	205.1	192.8	175.3	112.2	70.1	59.6	28.0	26.3	26.3
77.5°	1.8	5.3	3.5	5.3	5.3	3.5	1.8	1.8	5.3	5.3	7.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6273.2	6273.2	6273.2	6273.2	6273.2	6273.2	6273.2	6273.2	6273.2	6273.2	6273.2
2.5°	6232.9	6180.3	6168.1	6164.6	6115.5	6062.9	6008.6	5987.5	5956.0	5936.7	5952.5
5°	6115.5	6040.1	5973.5	5912.2	5803.5	5684.3	5580.9	5514.3	5451.2	5409.1	5419.6
7.5°	5949.0	5850.8	5698.3	5542.3	5342.5	5163.7	4963.9	4841.2	4727.3	4664.2	4694.0
10°	5771.9	5642.2	5398.6	5133.9	4820.2	4539.7	4254.0	4020.9	3885.9	3758.0	3772.0
12.5°	5598.4	5426.6	5062.1	4660.7	4264.5	3850.9	3419.7	3097.2	2876.3	2716.8	2692.3
15°	5437.2	5216.3	4734.3	4204.9	3665.1	3114.7	2564.3	2103.3	1847.4	1689.7	1679.2
17.5°	5293.4	5020.0	4394.2	3728.2	3051.6	2347.0	1714.2	1368.9	1221.7	1153.3	1146.3
20°	5155.0	4821.9	4047.2	3244.4	2382.0	1647.6	1183.1	1023.6	976.3	948.3	951.8
22.5°	5021.7	4606.3	3682.6	2708.1	1786.1	1156.8	916.7	855.4	850.1	853.6	855.4
25°	4909.6	4408.3	3307.5	2191.0	1274.3	881.7	766.0	748.4	764.2	787.0	790.5
27.5°	4851.7	4247.0	2941.2	1670.4	922.0	716.9	664.3	671.3	699.4	723.9	727.4
30°	4867.5	4126.1	2562.6	1211.2	709.9	604.7	587.2	601.2	629.3	652.0	655.5
32.5°	4979.7	4064.7	2175.2	881.7	583.7	527.6	520.6	531.1	555.6	573.2	574.9
35°	5202.3	4078.7	1807.1	674.8	501.3	469.7	468.0	475.0	487.3	499.5	501.3
37.5°	5530.1	4192.7	1444.3	560.9	454.0	431.2	424.2	424.2	432.9	438.2	441.7
40°	5882.4	4364.4	1156.8	496.0	420.7	396.1	382.1	376.8	383.9	390.9	392.6
42.5°	6173.3	4536.2	939.5	450.5	394.4	361.1	343.5	340.0	348.8	361.1	364.6
45°	6395.9	4669.4	783.5	413.7	364.6	327.8	308.5	308.5	324.3	345.3	348.8
47.5°	6599.3	4776.4	667.8	380.4	336.5	298.0	278.7	282.2	308.5	336.5	341.8
50°	6737.7	4862.2	581.9	350.6	313.7	273.4	255.9	262.9	294.5	327.8	333.0
52.5°	6886.7	4967.4	525.8	324.3	292.7	254.2	238.4	243.6	278.7	315.5	322.5
55°	7298.6	5319.7	524.1	289.2	255.9	227.9	220.9	222.6	257.7	299.7	308.5
57.5°	7635.2	5630.0	559.1	243.6	213.8	199.8	196.3	198.1	229.6	276.9	287.5
60°	6317.1	4375.0	462.7	201.6	178.8	175.3	170.0	173.5	203.3	245.4	254.2
62.5°	3738.7	2501.2	220.9	154.2	152.5	149.0	143.7	150.7	178.8	215.6	220.9
65°	1277.8	741.4	140.2	126.2	129.7	124.4	119.2	126.2	150.7	171.8	173.5
67.5°	245.4	196.3	112.2	105.2	106.9	96.4	94.7	101.7	115.7	119.2	117.4
70°	128.0	113.9	85.9	85.9	82.4	68.4	68.4	75.4	75.4	70.1	68.4
72.5°	66.6	63.1	56.1	63.1	52.6	42.1	42.1	45.6	42.1	35.1	35.1
75°	26.3	26.3	24.5	31.6	22.8	19.3	17.5	21.0	15.8	12.3	12.3
77.5°	7.0	7.0	7.0	8.8	5.3	5.3	3.5	3.5	1.8	0.0	0.0
80°	0.0	1.8	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	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)