

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: P636324

Luminaire Tested: GWS-SA3F-750-U-SL2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636324
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-750-U-SL2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14686.1 lumens
Efficiency: N/A
Efficacy: 80.2 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

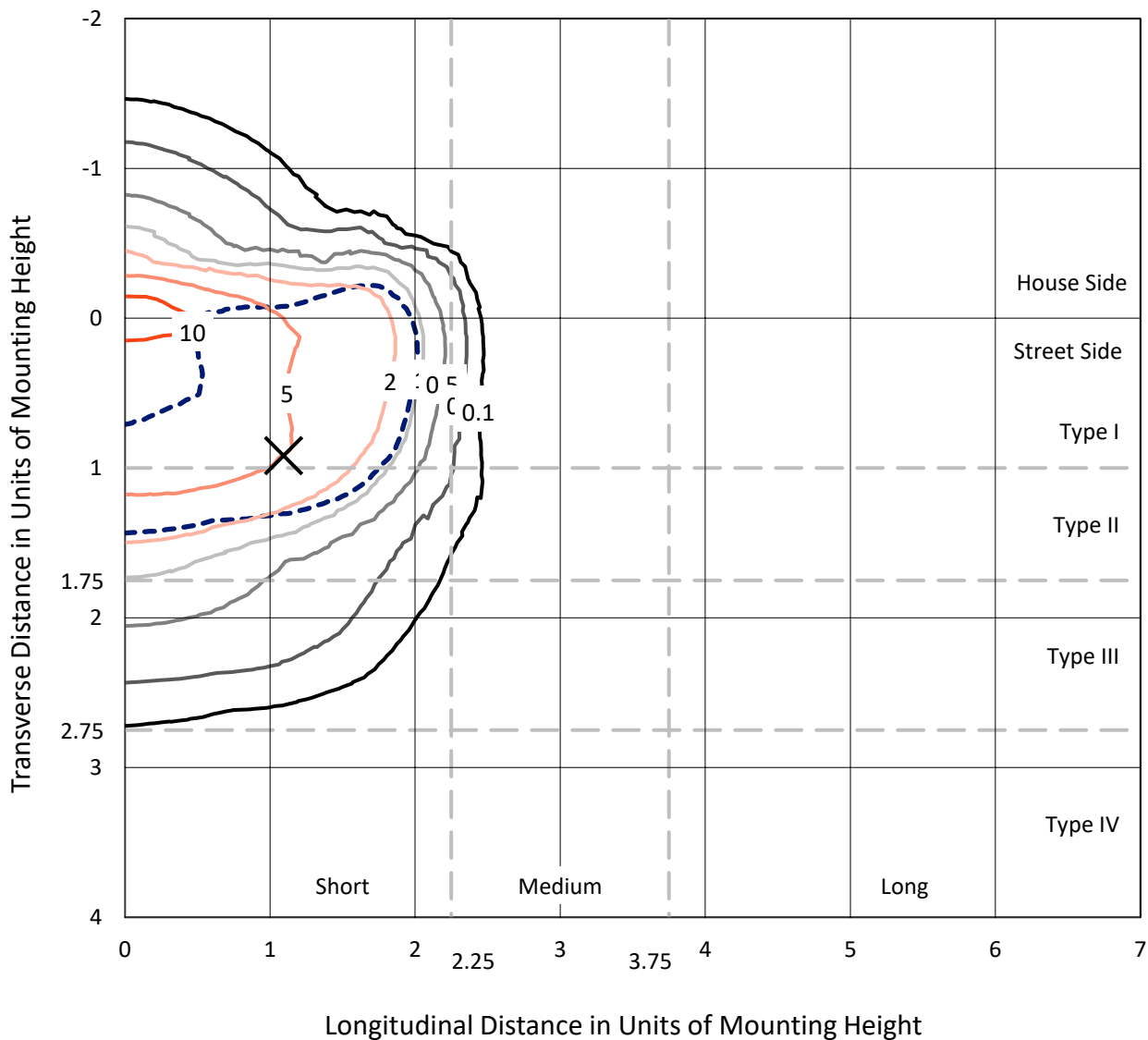
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

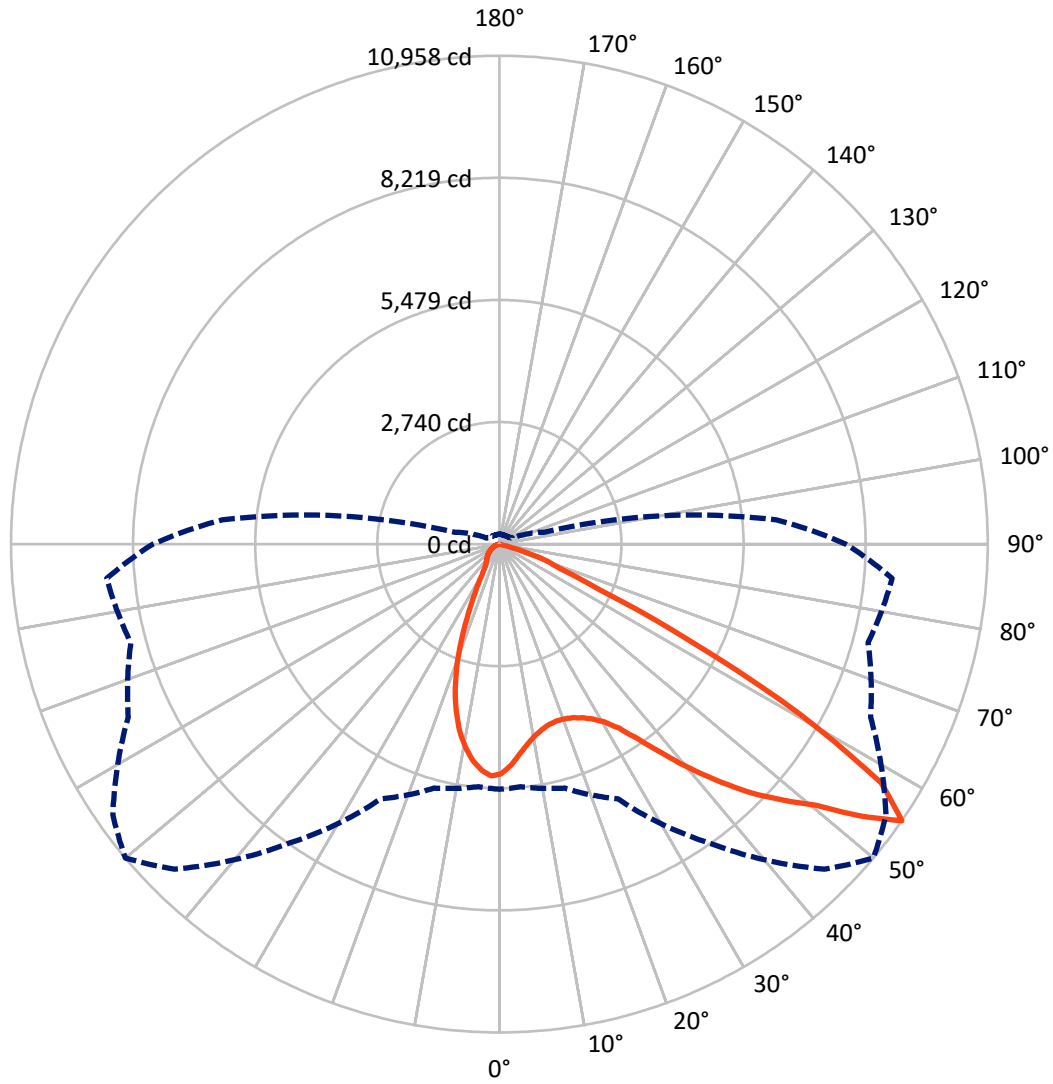
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 12.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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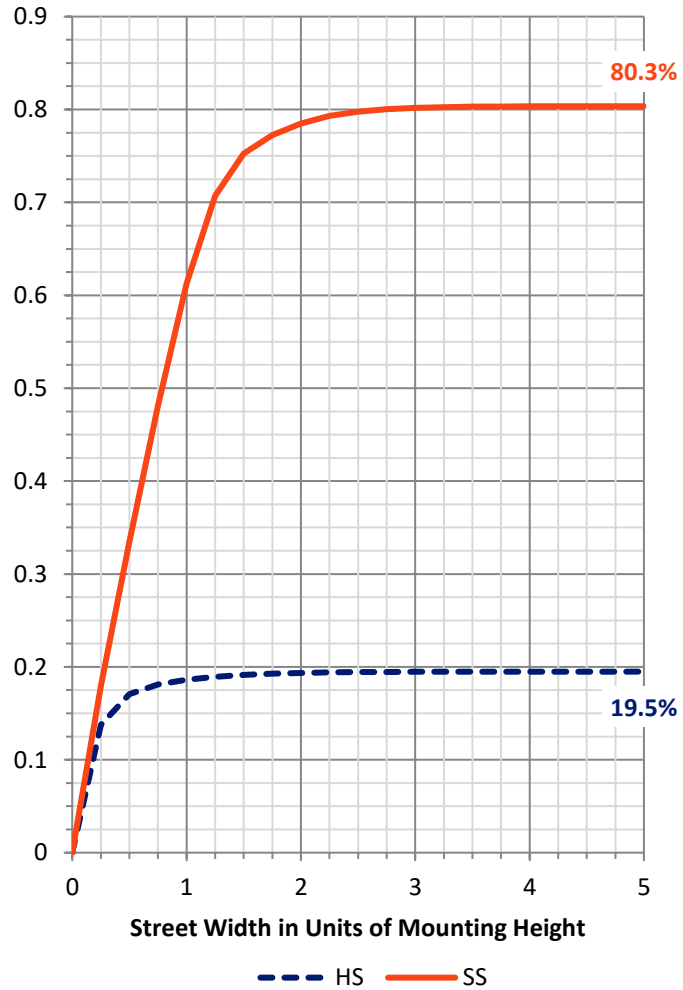
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2893.9	0.0	2893.9
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	11792.3	0.0	11792.3
	% Fixture	80.3	0.0	80.3
Total	Lumens	14686.1	0.0	14686.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	452.5	3.1
10°-20°	1113.6	7.6
20°-30°	1570.7	10.7
30°-40°	2324.4	15.8
40°-50°	3353.3	22.8
50°-60°	3955.4	26.9
60°-70°	1764.5	12.0
70°-80°	151.7	1.0
80°-90°	0.1	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°	14686.1	100.0
0°-180°	14686.1	100.0

Coefficient of Utilization



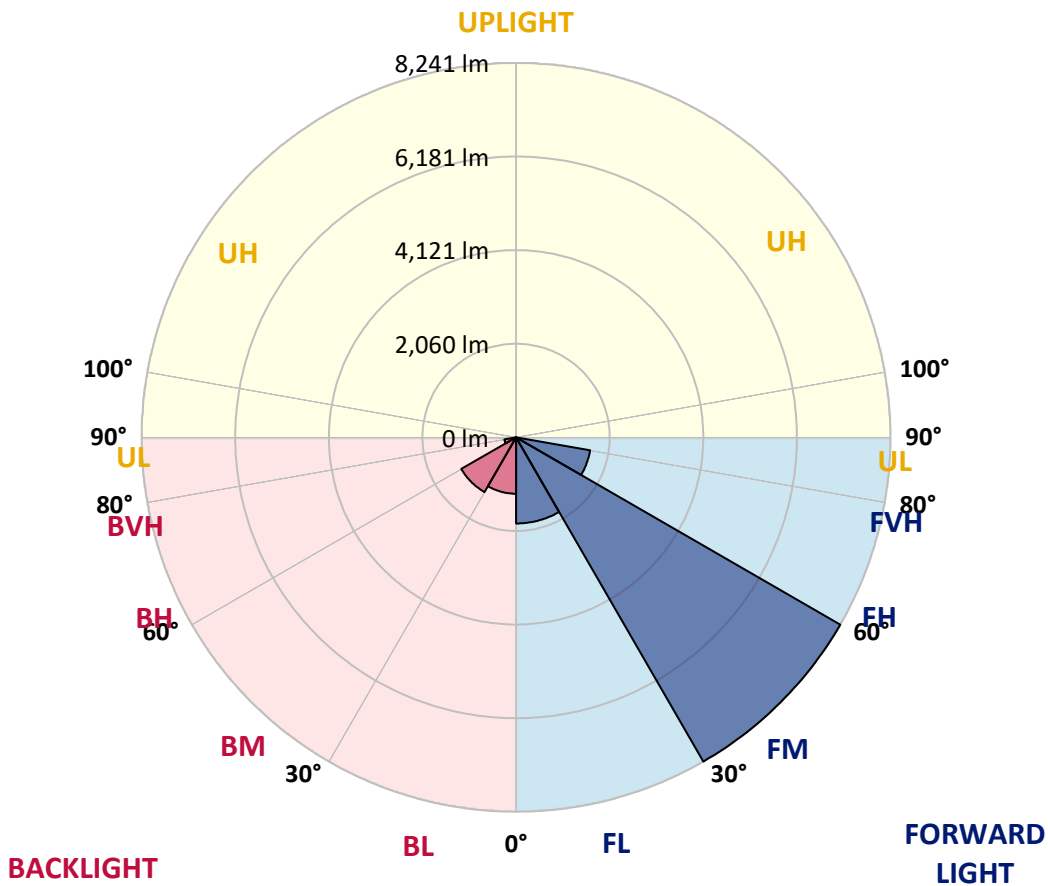
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1896.0	12.9			
FM (30°-60°)	8241.4	56.1			
FH (60°-80°)	1654.9	11.3			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	1240.8	8.4	B3/2500		
BM (30°-60°)	1391.7	9.5	B2/2500		
BH (60°-80°)	261.3	1.8	B1/500		G1/500
BVH (80°-90°)	0.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	5152.7	5152.7	5152.7	5152.7	5152.7	5152.7	5152.7	5152.7	5152.7	5152.7	5152.7
2.5°	4787.0	4790.5	4792.3	4840.7	4858.7	4930.4	4968.0	4987.8	5039.7	5100.7	5150.9
5°	4466.0	4460.7	4469.6	4530.6	4570.0	4675.8	4733.2	4772.6	4887.4	5030.8	5150.9
7.5°	4186.3	4197.1	4207.9	4274.2	4333.4	4448.1	4530.6	4589.7	4749.3	4962.7	5165.3
10°	3989.1	3989.1	4005.3	4080.6	4150.5	4292.1	4374.6	4449.9	4639.9	4901.7	5181.4
12.5°	3843.9	3845.7	3865.4	3951.5	4032.2	4179.2	4265.2	4338.7	4548.5	4840.7	5185.0
15°	3775.8	3770.4	3786.5	3878.0	3967.6	4105.7	4195.3	4267.0	4484.0	4806.7	5202.9
17.5°	3757.8	3754.3	3766.8	3856.5	3947.9	4082.4	4170.2	4241.9	4475.0	4817.4	5256.7
20°	3809.8	3802.7	3797.3	3874.4	3960.4	4093.1	4184.6	4265.2	4518.0	4876.6	5339.2
22.5°	3933.6	3933.6	3921.0	3958.7	4016.0	4136.1	4231.2	4336.9	4631.0	4994.9	5461.1
25°	4161.2	4143.3	4120.0	4136.1	4129.0	4204.3	4317.2	4464.2	4844.3	5190.4	5609.9
27.5°	4421.2	4437.3	4397.9	4399.7	4336.9	4310.1	4440.9	4663.2	5161.7	5466.5	5830.4
30°	4774.4	4761.9	4763.6	4758.3	4613.0	4485.8	4627.4	4923.2	5561.5	5887.8	6117.3
32.5°	5050.5	5068.4	5127.6	5161.7	4971.6	4767.2	4917.8	5276.4	6016.9	6368.3	6468.7
35°	5342.7	5375.0	5495.1	5606.3	5446.7	5211.9	5373.2	5744.3	6445.4	6843.4	6872.1
37.5°	5651.1	5715.7	5859.1	6054.5	6029.4	5821.4	5968.5	6294.8	6782.4	7130.2	7205.5
40°	6004.3	6067.1	6301.9	6583.4	6642.6	6596.0	6644.4	6834.4	7004.7	7142.8	7349.0
42.5°	6391.6	6477.6	6775.2	7151.7	7374.1	7415.3	7302.3	7282.6	7101.5	6999.4	7318.5
45°	6848.8	6949.2	7286.2	7773.9	8127.1	8182.6	7987.2	7734.4	7162.5	6893.6	7227.0
47.5°	7361.5	7456.5	7791.8	8378.1	8903.4	8924.9	8584.2	8177.3	7343.6	7015.5	7297.0
50°	7533.6	7592.8	7883.2	8571.7	9539.8	9704.8	9211.8	8675.7	7707.5	7374.1	7637.6
52.5°	6942.0	6965.3	7218.1	7913.7	9410.8	10470.3	10127.9	9419.7	8354.8	7920.9	8162.9
55°	5500.5	5462.9	5667.3	6305.5	8179.1	10314.4	10958.0	10588.7	9188.4	8562.7	8846.0
57.5°	3847.5	3802.7	3756.1	4188.1	6102.9	8743.8	10097.4	10751.8	9982.7	9199.2	9582.9
60°	3162.6	3119.6	2893.7	2694.7	3689.7	6278.6	7755.9	8987.6	9918.1	9166.9	9559.6
62.5°	2732.3	2707.2	2615.8	2345.1	2171.2	3583.9	4856.9	6036.6	7610.7	7198.4	7219.9
65°	2146.1	2138.9	2201.6	2230.3	1920.2	1982.9	2477.7	3137.5	4114.6	3879.8	3679.0
67.5°	1466.6	1450.4	1568.8	1929.1	1846.7	1565.2	1450.4	1463.0	1780.3	1088.3	864.2
70°	932.3	894.6	896.4	1195.8	1502.4	1235.3	1118.7	984.3	885.7	161.4	182.9
72.5°	597.0	573.7	493.0	539.7	695.6	602.4	607.8	523.5	349.6	86.1	100.4
75°	251.0	231.3	177.5	141.6	139.8	87.9	77.1	71.7	48.4	48.4	52.0
77.5°	1.8	0.0	0.0	1.8	3.6	1.8	1.8	3.6	7.2	10.8	12.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
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°	5152.7	5152.7	5152.7	5152.7	5152.7	5152.7	5152.7	5152.7	5152.7	5152.7	5152.7
2.5°	5181.4	5138.4	5186.8	5204.7	5202.9	5204.7	5152.7	5116.8	5115.1	5070.2	5048.7
5°	5201.1	5167.0	5202.9	5179.6	5124.0	5054.1	4960.9	4880.2	4844.3	4792.3	4767.2
7.5°	5238.8	5202.9	5197.5	5104.3	4966.2	4819.2	4654.3	4507.3	4428.4	4333.4	4338.7
10°	5265.7	5224.4	5154.5	4964.4	4735.0	4500.1	4254.5	4035.7	3897.7	3770.4	3748.9
12.5°	5276.4	5215.5	5052.3	4765.4	4442.7	4136.1	3775.8	3463.8	3248.7	3081.9	3058.6
15°	5296.1	5197.5	4921.4	4525.2	4082.4	3648.5	3189.5	2762.8	2477.7	2285.9	2302.0
17.5°	5326.6	5177.8	4774.4	4256.3	3695.1	3081.9	2461.6	1972.2	1710.4	1599.2	1601.0
20°	5369.6	5154.5	4613.0	3960.4	3230.7	2441.9	1721.2	1351.8	1278.3	1274.7	1269.4
22.5°	5427.0	5131.2	4440.9	3635.9	2680.3	1710.4	1145.6	1030.9	1061.4	1120.5	1131.3
25°	5495.1	5102.5	4249.1	3270.2	2079.7	1122.3	858.8	840.9	914.4	993.2	1011.2
27.5°	5600.9	5088.2	4030.4	2854.2	1459.4	805.0	702.8	713.6	779.9	846.2	862.4
30°	5780.2	5115.1	3791.9	2388.1	937.7	641.8	609.6	625.7	661.6	695.6	710.0
32.5°	6024.0	5193.9	3560.6	1878.9	668.7	557.6	550.4	559.4	573.7	593.4	598.8
35°	6309.1	5330.2	3322.2	1344.7	552.2	509.2	502.0	502.0	509.2	512.8	514.6
37.5°	6544.0	5473.6	3098.1	894.6	494.8	471.5	460.8	455.4	453.6	457.2	459.0
40°	6646.2	5532.8	2854.2	650.8	453.6	437.5	421.3	405.2	405.2	417.7	419.5
42.5°	6574.4	5466.5	2572.8	537.9	424.9	401.6	376.5	362.2	369.3	381.9	385.5
45°	6422.1	5303.3	2262.6	475.1	396.2	365.7	337.1	328.1	335.3	351.4	355.0
47.5°	6397.0	5195.7	1891.5	433.9	365.7	335.3	304.8	295.8	304.8	317.3	320.9
50°	6646.2	5289.0	1479.1	398.0	337.1	303.0	277.9	268.9	274.3	281.5	285.1
52.5°	7101.5	5635.0	1194.0	364.0	303.0	270.7	254.6	243.8	243.8	251.0	252.8
55°	7773.9	6239.2	1030.9	324.5	263.6	245.6	231.3	220.5	220.5	224.1	225.9
57.5°	8548.4	6970.7	1068.5	272.5	231.3	222.3	209.8	200.8	204.4	204.4	204.4
60°	8440.8	6916.9	1143.8	229.5	204.4	200.8	190.0	186.5	195.4	188.3	184.7
62.5°	6217.7	4778.0	598.8	188.3	175.7	172.1	164.9	172.1	184.7	164.9	157.8
65°	3019.2	2312.8	240.2	154.2	148.8	145.2	141.6	152.4	159.6	129.1	121.9
67.5°	710.0	577.3	156.0	130.9	123.7	116.5	120.1	121.9	116.5	87.9	84.3
70°	184.7	181.1	121.9	109.4	98.6	91.4	91.4	89.6	77.1	55.6	52.0
72.5°	100.4	98.6	87.9	82.5	68.1	61.0	62.8	55.6	43.0	32.3	30.5
75°	50.2	53.8	50.2	46.6	37.7	34.1	34.1	30.5	21.5	12.6	12.6
77.5°	10.8	12.6	12.6	10.8	9.0	7.2	7.2	9.0	3.6	0.0	0.0
80°	1.8	1.8	1.8	1.8	1.8	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)