

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: P636269

Luminaire Tested: GWS-SA3F-740-U-SL2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636269
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14357.1 lumens
Efficiency: N/A
Efficacy: 78.4 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

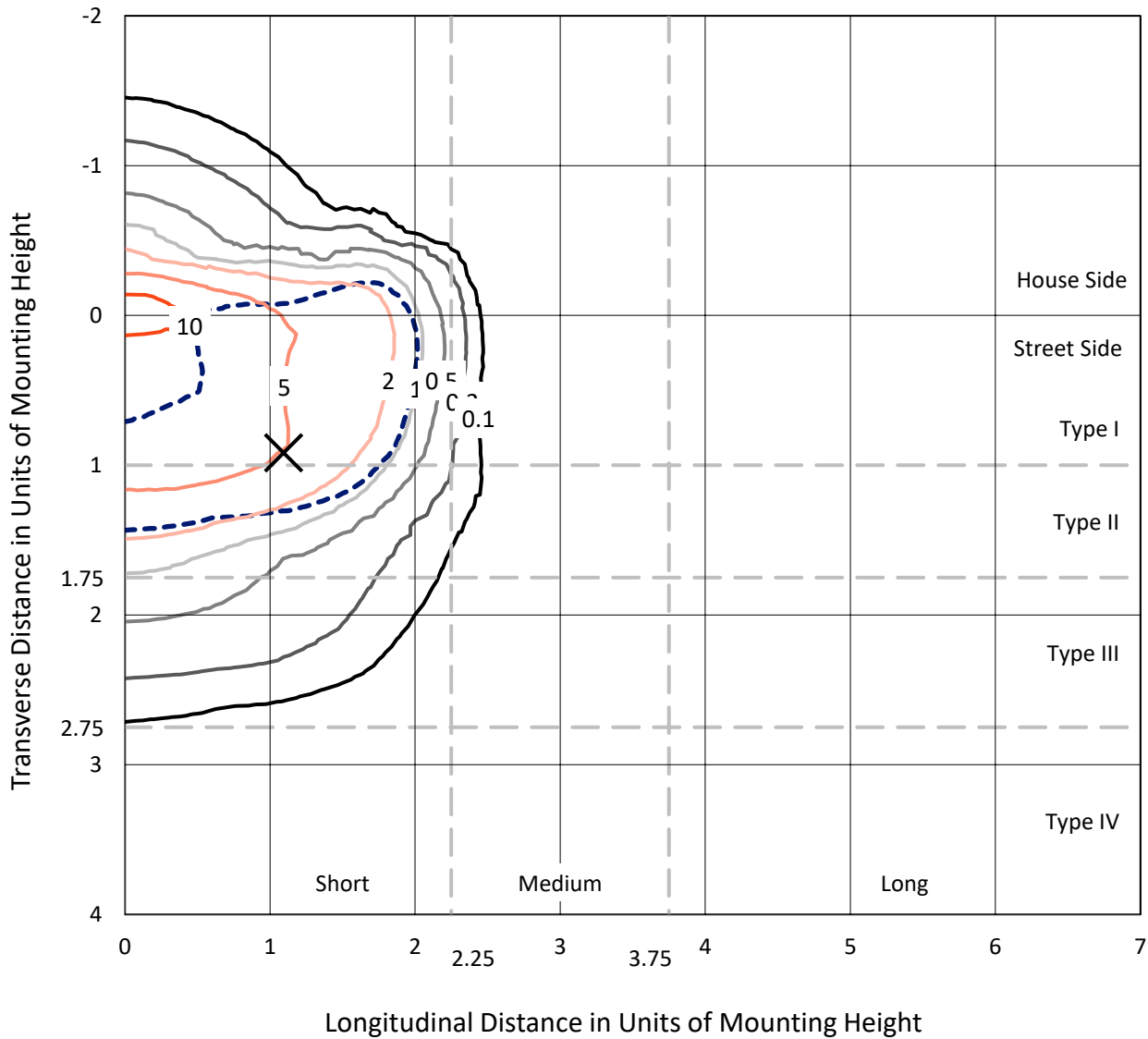
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

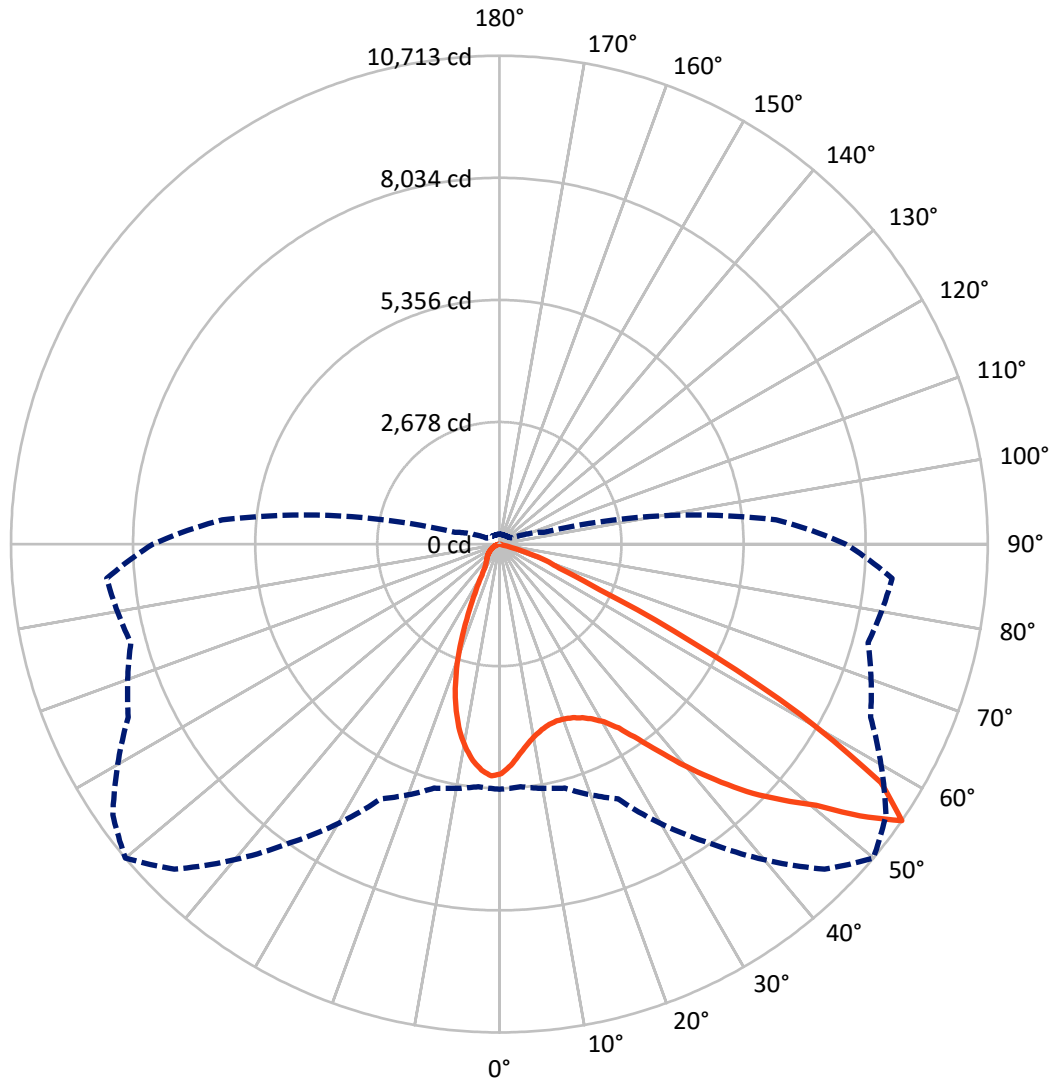
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 12.6 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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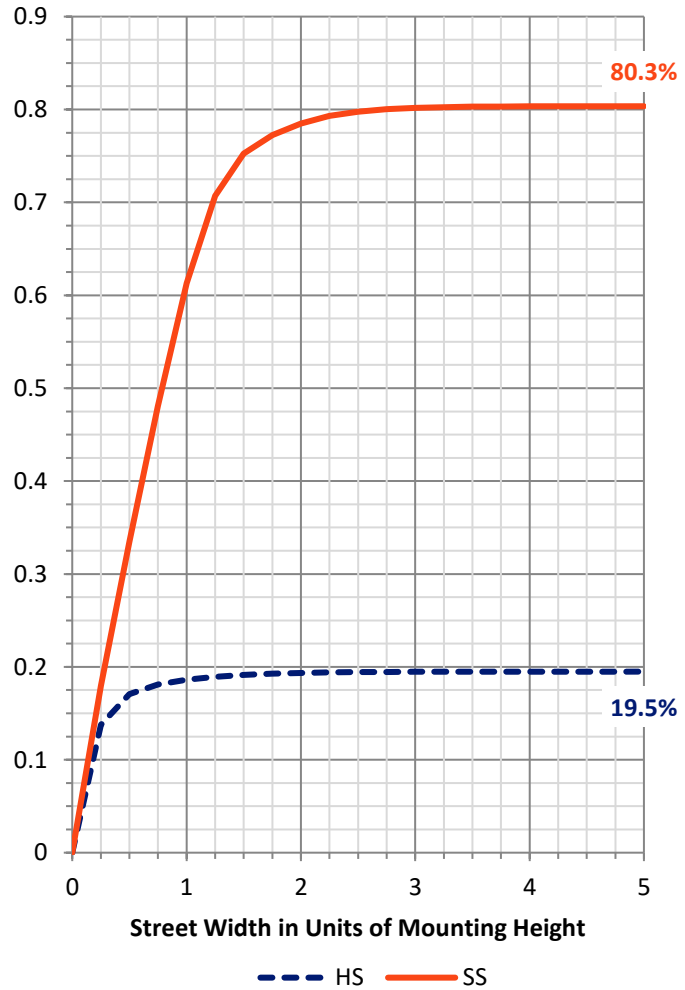
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2829.0	0.0	2829.0
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	11528.1	0.0	11528.1
	% Fixture	80.3	0.0	80.3
Total	Lumens	14357.1	0.0	14357.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	442.4	3.1
10°-20°	1088.6	7.6
20°-30°	1535.5	10.7
30°-40°	2272.3	15.8
40°-50°	3278.2	22.8
50°-60°	3866.8	26.9
60°-70°	1724.9	12.0
70°-80°	148.3	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°	14357.1	100.0
0°-180°	14357.1	100.0

Coefficient of Utilization



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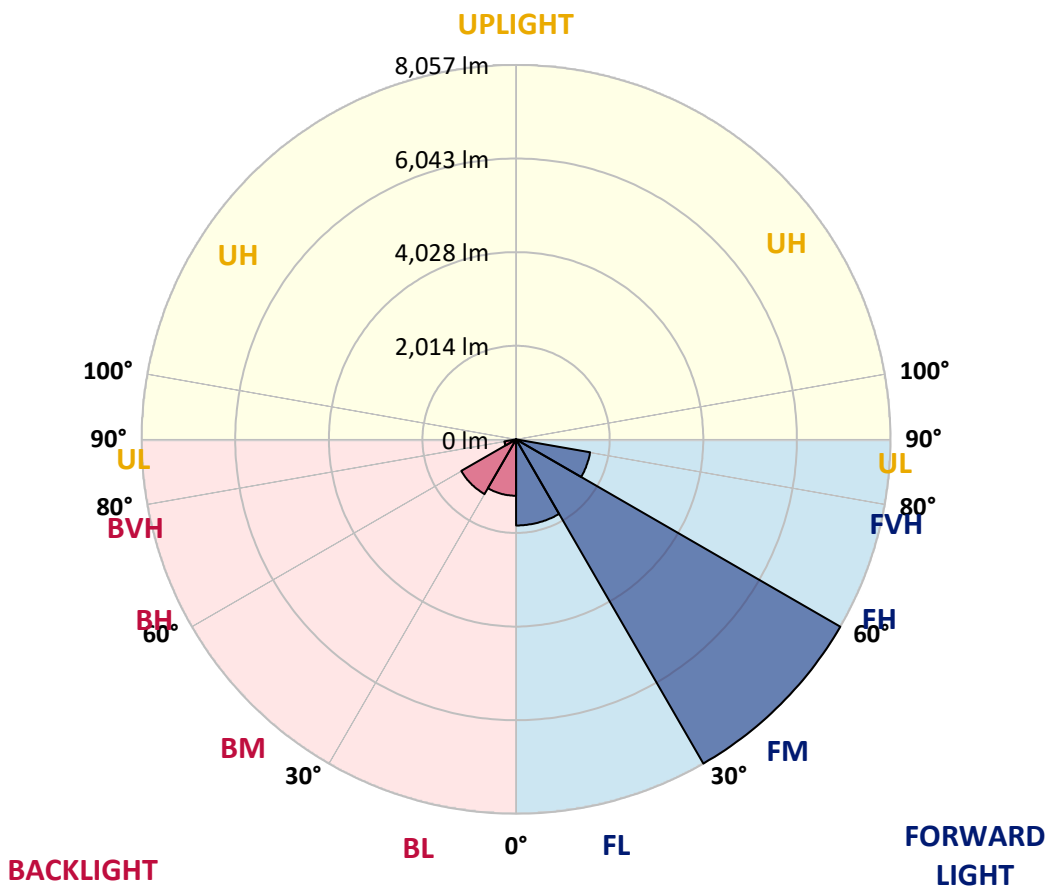
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1853.5	12.9			
FM (30°-60°)	8056.7	56.1			
FH (60°-80°)	1617.8	11.3			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	1213.0	8.4	B3/2500		
BM (30°-60°)	1360.6	9.5	B2/2500		
BH (60°-80°)	255.4	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°	5037.3	5037.3	5037.3	5037.3	5037.3	5037.3	5037.3	5037.3	5037.3	5037.3	5037.3
2.5°	4679.7	4683.2	4685.0	4732.3	4749.8	4819.9	4856.7	4876.0	4926.8	4986.4	5035.5
5°	4366.0	4360.7	4369.5	4429.1	4467.6	4571.0	4627.1	4665.7	4777.9	4918.1	5035.5
7.5°	4092.6	4103.1	4113.6	4178.4	4236.3	4348.5	4429.1	4486.9	4642.9	4851.5	5049.5
10°	3899.8	3899.8	3915.5	3989.2	4057.5	4196.0	4276.6	4350.2	4536.0	4791.9	5065.3
12.5°	3757.8	3759.5	3778.8	3863.0	3941.8	4085.6	4169.7	4241.5	4446.6	4732.3	5068.8
15°	3691.2	3685.9	3701.7	3791.1	3878.7	4013.7	4101.3	4171.4	4383.5	4699.0	5086.3
17.5°	3673.7	3670.2	3682.4	3770.1	3859.5	3990.9	4076.8	4146.9	4374.7	4709.5	5138.9
20°	3724.5	3717.5	3712.2	3787.6	3871.7	4001.4	4090.8	4169.7	4416.8	4767.4	5219.6
22.5°	3845.4	3845.4	3833.2	3870.0	3926.1	4043.5	4136.4	4239.8	4527.2	4883.0	5338.7
25°	4068.0	4050.5	4027.7	4043.5	4036.5	4110.1	4220.5	4364.2	4735.8	5074.1	5484.2
27.5°	4322.2	4337.9	4299.4	4301.1	4239.8	4213.5	4341.4	4558.8	5046.0	5344.0	5699.8
30°	4667.4	4655.2	4656.9	4651.7	4509.7	4385.3	4523.7	4812.9	5436.9	5755.9	5980.2
32.5°	4937.4	4954.9	5012.7	5046.0	4860.2	4660.4	4807.7	5158.2	5882.1	6225.6	6323.8
35°	5223.1	5254.6	5372.0	5480.7	5324.7	5095.1	5252.9	5615.7	6301.0	6690.1	6718.1
37.5°	5524.5	5587.6	5727.8	5918.9	5894.3	5691.0	5834.7	6153.7	6630.5	6970.5	7044.1
40°	5869.8	5931.1	6160.8	6435.9	6493.8	6448.2	6495.5	6681.3	6847.8	6982.8	7184.3
42.5°	6248.4	6332.5	6623.5	6991.5	7208.9	7249.2	7138.8	7119.5	6942.5	6842.6	7154.5
45°	6695.3	6793.5	7123.0	7599.7	7945.0	7999.3	7808.3	7561.2	7002.0	6739.1	7065.1
47.5°	7196.6	7289.5	7617.2	8190.4	8703.9	8725.0	8391.9	7994.1	7179.1	6858.3	7133.5
50°	7364.9	7422.7	7706.6	8379.7	9326.1	9487.4	9005.4	8481.3	7534.9	7208.9	7466.5
52.5°	6786.5	6809.3	7056.4	7736.4	9199.9	10235.8	9901.0	9208.7	8167.6	7743.4	7980.1
55°	5377.3	5340.5	5540.3	6164.3	7995.8	10083.3	10712.5	10351.5	8982.6	8370.9	8647.8
57.5°	3761.3	3717.5	3671.9	4094.3	5966.2	8547.9	9871.2	10511.0	9759.1	8993.1	9368.2
60°	3091.8	3049.7	2828.9	2634.3	3607.1	6138.0	7582.2	8786.3	9696.0	8961.6	9345.4
62.5°	2671.1	2646.6	2557.2	2292.5	2122.5	3503.7	4748.1	5901.4	7440.2	7037.1	7058.1
65°	2098.0	2091.0	2152.3	2180.4	1877.1	1938.5	2422.2	3067.2	4022.5	3792.8	3596.5
67.5°	1433.7	1417.9	1533.6	1885.9	1805.3	1530.1	1417.9	1430.2	1740.4	1063.9	844.8
70°	911.4	874.6	876.4	1169.1	1468.8	1207.6	1093.7	962.2	865.8	157.7	178.8
72.5°	583.7	560.9	482.0	527.6	680.0	588.9	594.2	511.8	341.8	84.1	98.2
75°	245.4	226.1	173.5	138.5	136.7	85.9	75.4	70.1	47.3	47.3	50.8
77.5°	1.8	0.0	0.0	1.8	3.5	1.8	1.8	3.5	7.0	10.5	12.3
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°	5037.3	5037.3	5037.3	5037.3	5037.3	5037.3	5037.3	5037.3	5037.3	5037.3	5037.3
2.5°	5065.3	5023.2	5070.6	5088.1	5086.3	5088.1	5037.3	5002.2	5000.5	4956.6	4935.6
5°	5084.6	5051.3	5086.3	5063.6	5009.2	4940.9	4849.7	4770.9	4735.8	4685.0	4660.4
7.5°	5121.4	5086.3	5081.1	4989.9	4855.0	4711.3	4550.0	4406.3	4329.2	4236.3	4241.5
10°	5147.7	5107.4	5039.0	4853.2	4628.9	4399.3	4159.2	3945.3	3810.4	3685.9	3664.9
12.5°	5158.2	5098.6	4939.1	4658.7	4343.2	4043.5	3691.2	3386.2	3175.9	3012.9	2990.1
15°	5177.5	5081.1	4811.2	4423.8	3990.9	3566.8	3118.1	2700.9	2422.2	2234.7	2250.5
17.5°	5207.3	5061.8	4667.4	4160.9	3612.3	3012.9	2406.5	1928.0	1672.1	1563.4	1565.2
20°	5249.3	5039.0	4509.7	3871.7	3158.4	2387.2	1682.6	1321.5	1249.7	1246.2	1240.9
22.5°	5305.4	5016.2	4341.4	3554.5	2620.3	1672.1	1120.0	1007.8	1037.6	1095.4	1106.0
25°	5372.0	4988.2	4153.9	3196.9	2033.1	1097.2	839.5	822.0	893.9	971.0	988.5
27.5°	5475.4	4974.2	3940.1	2790.3	1426.7	787.0	687.1	697.6	762.4	827.3	843.1
30°	5650.7	5000.5	3707.0	2334.6	916.7	627.5	595.9	611.7	646.7	680.0	694.1
32.5°	5889.1	5077.6	3480.9	1836.8	653.8	545.1	538.1	546.8	560.9	580.1	585.4
35°	6167.8	5210.8	3247.8	1314.5	539.8	497.8	490.8	490.8	497.8	501.3	503.0
37.5°	6397.4	5351.0	3028.7	874.6	483.7	461.0	450.4	445.2	443.4	446.9	448.7
40°	6497.3	5408.8	2790.3	636.2	443.4	427.7	411.9	396.1	396.1	408.4	410.1
42.5°	6427.2	5344.0	2515.1	525.8	415.4	392.6	368.1	354.0	361.1	373.3	376.8
45°	6278.2	5184.5	2211.9	464.5	387.3	357.6	329.5	320.7	327.8	343.5	347.0
47.5°	6253.6	5079.3	1849.1	424.2	357.6	327.8	298.0	289.2	298.0	310.2	313.7
50°	6497.3	5170.5	1446.0	389.1	329.5	296.2	271.7	262.9	268.2	275.2	278.7
52.5°	6942.5	5508.7	1167.3	355.8	296.2	264.7	248.9	238.4	238.4	245.4	247.1
55°	7599.7	6099.4	1007.8	317.2	257.6	240.1	226.1	215.6	215.6	219.1	220.8
57.5°	8356.9	6814.5	1044.6	266.4	226.1	217.3	205.1	196.3	199.8	199.8	199.8
60°	8251.7	6761.9	1118.2	224.3	199.8	196.3	185.8	182.3	191.0	184.0	180.5
62.5°	6078.4	4671.0	585.4	184.0	171.8	168.3	161.2	168.3	180.5	161.2	154.2
65°	2951.6	2261.0	234.9	150.7	145.5	142.0	138.5	149.0	156.0	126.2	119.2
67.5°	694.1	564.4	152.5	127.9	120.9	113.9	117.4	119.2	113.9	85.9	82.4
70°	180.5	177.0	119.2	106.9	96.4	89.4	89.4	87.6	75.4	54.3	50.8
72.5°	98.2	96.4	85.9	80.6	66.6	59.6	61.3	54.3	42.1	31.5	29.8
75°	49.1	52.6	49.1	45.6	36.8	33.3	33.3	29.8	21.0	12.3	12.3
77.5°	10.5	12.3	12.3	10.5	8.8	7.0	7.0	8.8	3.5	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)