

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: P641659

Luminaire Tested: GWS-SA6B-735-U-SL2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641659
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-SA6B-735-U-SL2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12261.9 lumens
Efficiency: N/A
Efficacy: 88.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G1

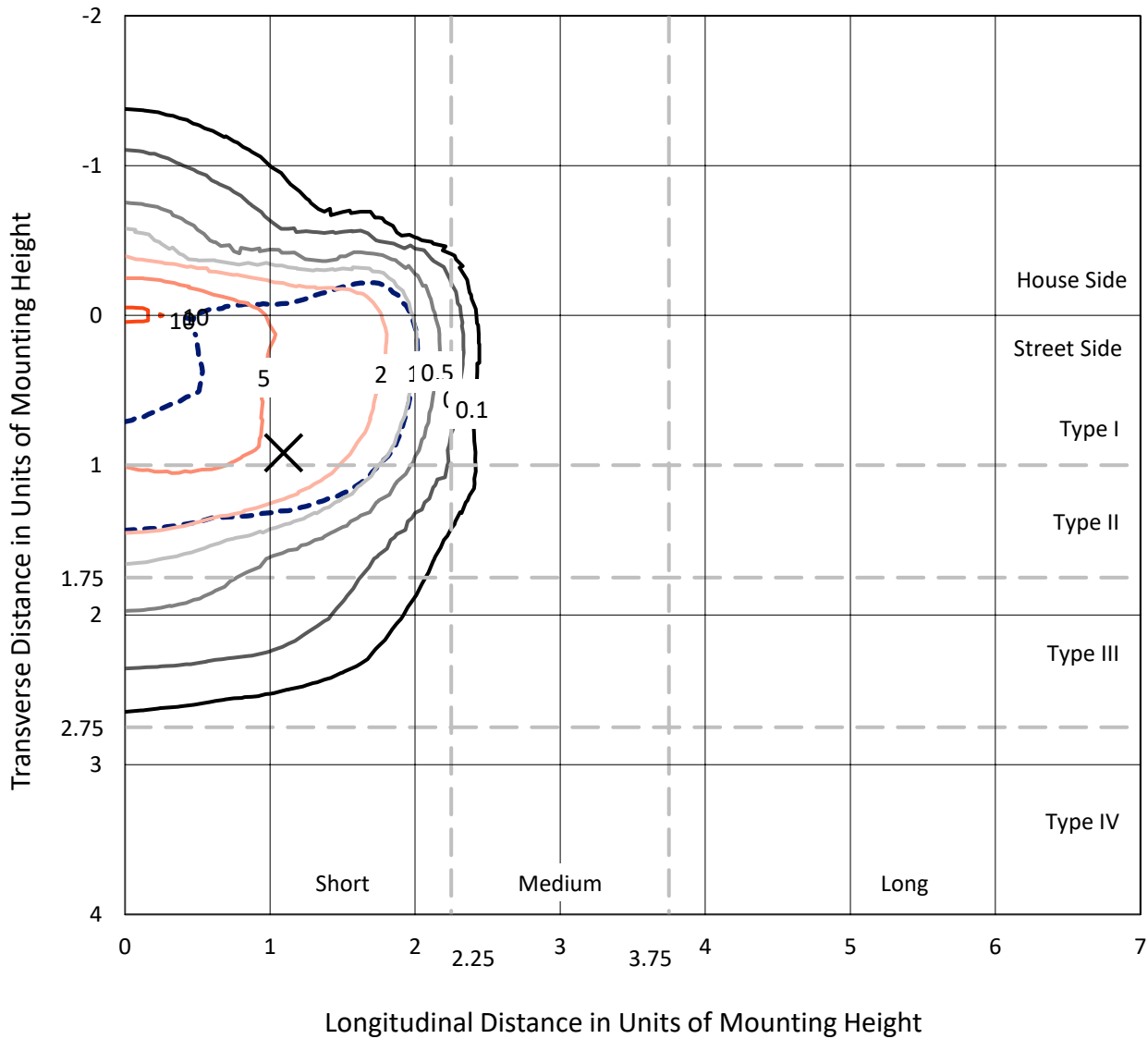
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

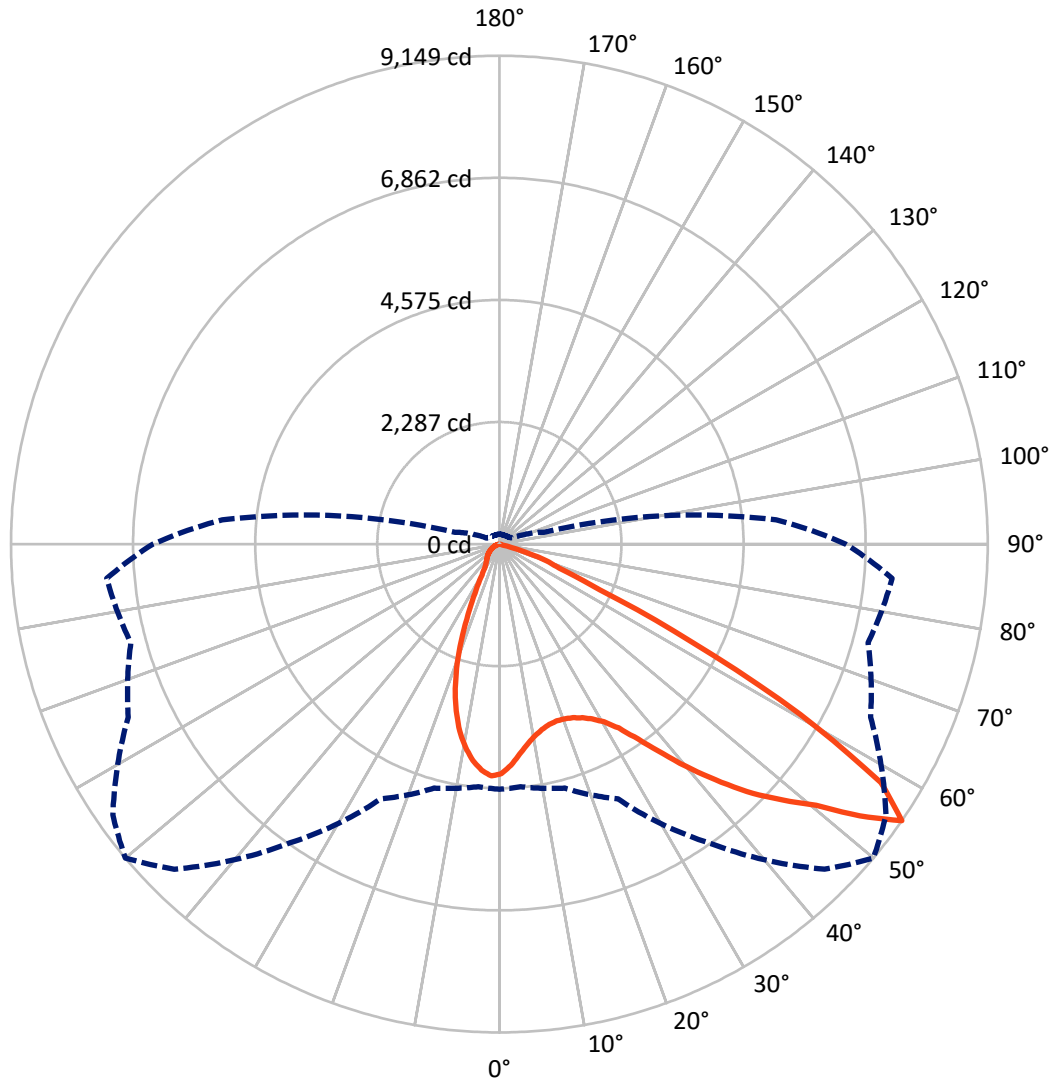
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 10.8 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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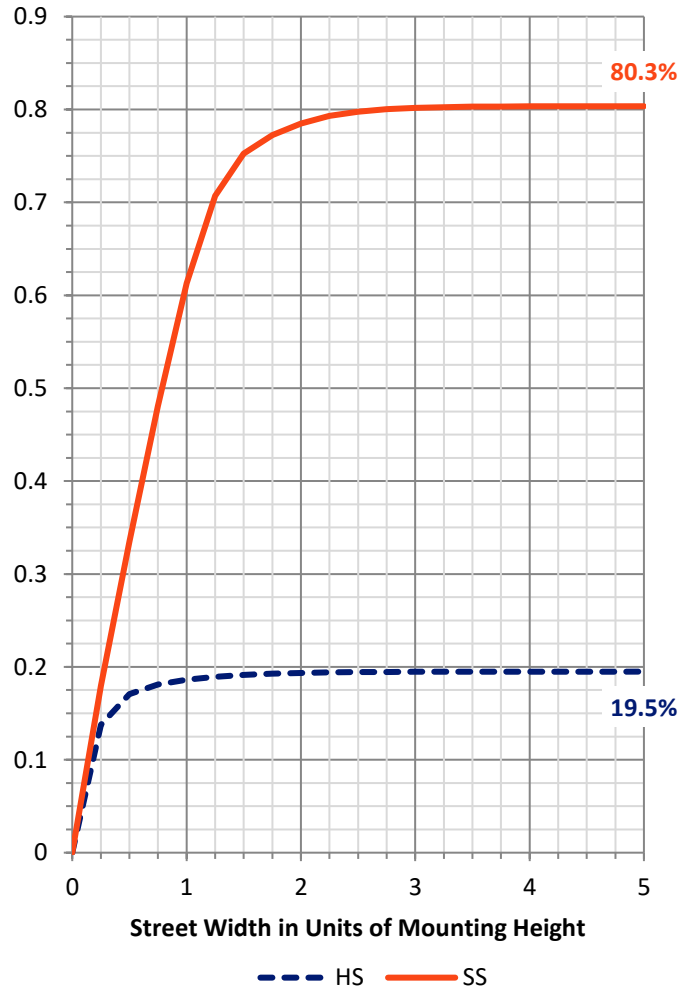
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2416.2	0.0	2416.2
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	9845.7	0.0	9845.7
	% Fixture	80.3	0.0	80.3
Total	Lumens	12261.9	0.0	12261.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	377.8	3.1
10°-20°	929.8	7.6
20°-30°	1311.4	10.7
30°-40°	1940.7	15.8
40°-50°	2799.8	22.8
50°-60°	3302.5	26.9
60°-70°	1473.2	12.0
70°-80°	126.7	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°	12261.9	100.0
0°-180°	12261.9	100.0

Coefficient of Utilization



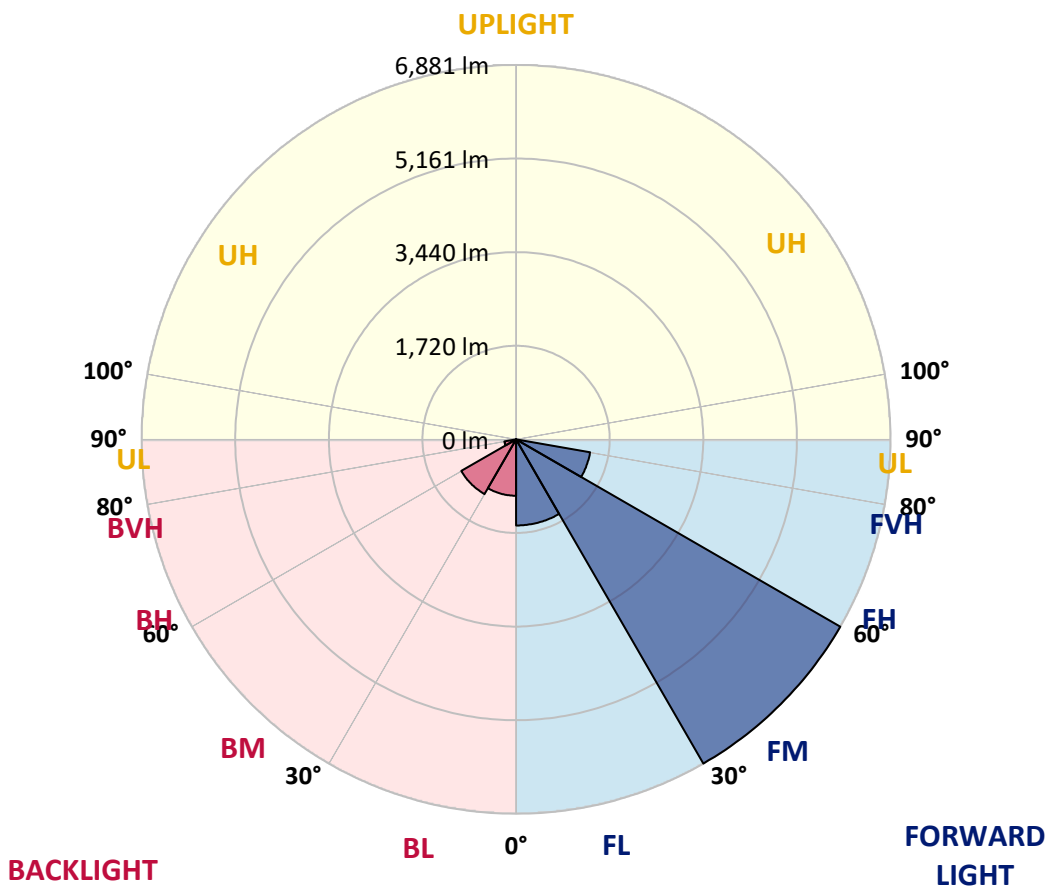
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1583.1	12.9			
FM (30°-60°)	6881.0	56.1			
FH (60°-80°)	1381.7	11.3			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	1036.0	8.4	B3/2500		
BM (30°-60°)	1162.0	9.5	B2/2500		
BH (60°-80°)	218.2	1.8	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°	50°	55°	65°	75°	85°
0°	4302.2	4302.2	4302.2	4302.2	4302.2	4302.2	4302.2	4302.2	4302.2	4302.2	4302.2
2.5°	3996.8	3999.8	4001.3	4041.7	4056.7	4116.5	4148.0	4164.4	4207.9	4258.7	4300.7
5°	3728.8	3724.3	3731.8	3782.7	3815.7	3904.0	3951.9	3984.8	4080.6	4200.4	4300.7
7.5°	3495.3	3504.3	3513.3	3568.7	3618.1	3713.9	3782.7	3832.1	3965.3	4143.5	4312.6
10°	3330.7	3330.7	3344.1	3407.0	3465.4	3583.6	3652.5	3715.4	3874.0	4092.6	4326.1
12.5°	3209.4	3210.9	3227.4	3299.2	3366.6	3489.3	3561.2	3622.6	3797.7	4041.7	4329.1
15°	3152.5	3148.0	3161.5	3237.8	3312.7	3428.0	3502.8	3562.7	3743.8	4013.3	4344.1
17.5°	3137.6	3134.6	3145.0	3219.9	3296.2	3408.5	3481.8	3541.7	3736.3	4022.2	4389.0
20°	3181.0	3175.0	3170.5	3234.9	3306.7	3417.5	3493.8	3561.2	3772.2	4071.6	4457.8
22.5°	3284.2	3284.2	3273.8	3305.2	3353.1	3453.4	3532.7	3621.1	3866.6	4170.4	4559.6
25°	3474.4	3459.4	3439.9	3453.4	3447.4	3510.3	3604.6	3727.3	4044.7	4333.6	4683.9
27.5°	3691.4	3704.9	3672.0	3673.4	3621.1	3598.6	3707.9	3893.5	4309.6	4564.1	4868.0
30°	3986.3	3975.8	3977.3	3972.8	3851.6	3745.3	3863.6	4110.6	4643.5	4915.9	5107.5
32.5°	4216.8	4231.8	4281.2	4309.6	4151.0	3980.3	4106.1	4405.4	5023.7	5317.1	5400.9
35°	4460.8	4487.8	4588.1	4680.9	4547.7	4351.6	4486.3	4796.1	5381.4	5713.8	5737.7
37.5°	4718.3	4772.2	4891.9	5055.1	5034.2	4860.5	4983.3	5255.7	5662.9	5953.3	6016.1
40°	5013.2	5065.6	5261.7	5496.7	5546.1	5507.2	5547.6	5706.3	5848.5	5963.7	6135.9
42.5°	5336.5	5408.4	5656.9	5971.2	6156.8	6191.3	6097.0	6080.5	5929.3	5844.0	6110.4
45°	5718.2	5802.1	6083.5	6490.7	6785.6	6832.0	6668.8	6457.7	5980.2	5755.7	6034.1
47.5°	6146.4	6225.7	6505.6	6995.1	7433.7	7451.7	7167.3	6827.5	6131.4	5857.5	6092.5
50°	6290.1	6339.5	6582.0	7156.8	7965.1	8102.8	7691.2	7243.6	6435.3	6156.8	6376.9
52.5°	5796.1	5815.5	6026.6	6607.4	7857.3	8742.0	8456.1	7864.8	6975.7	6613.4	6815.5
55°	4592.6	4561.1	4731.8	5264.7	6829.0	8611.8	9149.2	8840.8	7671.7	7149.3	7385.8
57.5°	3212.4	3175.0	3136.1	3496.8	5095.5	7300.5	8430.7	8977.0	8334.9	7680.7	8001.1
60°	2640.6	2604.6	2416.0	2249.9	3080.7	5242.2	6475.7	7504.1	8281.0	7653.8	7981.6
62.5°	2281.3	2260.4	2184.0	1958.0	1812.8	2992.3	4055.2	5040.1	6354.4	6010.1	6028.1
65°	1791.8	1785.8	1838.2	1862.2	1603.2	1655.6	2068.7	2619.6	3435.4	3239.3	3071.7
67.5°	1224.5	1211.0	1309.8	1610.7	1541.8	1306.8	1211.0	1221.5	1486.4	908.6	721.5
70°	778.4	747.0	748.5	998.4	1254.4	1031.4	934.1	821.8	739.5	134.7	152.7
72.5°	498.5	479.0	411.7	450.6	580.8	503.0	507.5	437.1	291.9	71.9	83.8
75°	209.6	193.1	148.2	118.3	116.8	73.3	64.4	59.9	40.4	40.4	43.4
77.5°	1.5	0.0	0.0	1.5	3.0	1.5	1.5	3.0	6.0	9.0	10.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
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°	4302.2	4302.2	4302.2	4302.2	4302.2	4302.2	4302.2	4302.2	4302.2	4302.2	4302.2
2.5°	4326.1	4290.2	4330.6	4345.6	4344.1	4345.6	4302.2	4272.2	4270.7	4233.3	4215.3
5°	4342.6	4314.1	4344.1	4324.6	4278.2	4219.8	4142.0	4074.6	4044.7	4001.3	3980.3
7.5°	4374.0	4344.1	4339.6	4261.7	4146.5	4023.7	3886.0	3763.3	3697.4	3618.1	3622.6
10°	4396.5	4362.0	4303.7	4145.0	3953.4	3757.3	3552.2	3369.6	3254.3	3148.0	3130.1
12.5°	4405.4	4354.5	4218.3	3978.8	3709.4	3453.4	3152.5	2892.1	2712.4	2573.2	2553.8
15°	4421.9	4339.6	4109.1	3778.2	3408.5	3046.2	2663.0	2306.8	2068.7	1908.6	1922.0
17.5°	4447.4	4323.1	3986.3	3553.7	3085.2	2573.2	2055.3	1646.6	1428.1	1335.3	1336.8
20°	4483.3	4303.7	3851.6	3306.7	2697.5	2038.8	1437.0	1128.7	1067.3	1064.3	1059.8
22.5°	4531.2	4284.2	3707.9	3035.8	2237.9	1428.1	956.5	860.7	886.2	935.6	944.6
25°	4588.1	4260.2	3547.7	2730.4	1736.4	937.1	717.0	702.1	763.4	829.3	844.3
27.5°	4676.4	4248.3	3365.1	2383.1	1218.5	672.1	586.8	595.8	651.2	706.5	720.0
30°	4826.1	4270.7	3166.0	1993.9	782.9	535.9	509.0	522.4	552.4	580.8	592.8
32.5°	5029.7	4336.6	2972.9	1568.8	558.4	465.5	459.6	467.0	479.0	495.5	500.0
35°	5267.7	4450.4	2773.8	1122.7	461.1	425.1	419.1	419.1	425.1	428.1	429.6
37.5°	5463.8	4570.1	2586.7	747.0	413.2	393.7	384.7	380.2	378.7	381.7	383.2
40°	5549.1	4619.5	2383.1	543.4	378.7	365.2	351.8	338.3	338.3	348.8	350.3
42.5°	5489.2	4564.1	2148.1	449.1	354.8	335.3	314.4	302.4	308.4	318.8	321.8
45°	5362.0	4427.9	1889.1	396.7	330.8	305.4	281.4	273.9	279.9	293.4	296.4
47.5°	5341.0	4338.1	1579.3	362.3	305.4	279.9	254.5	247.0	254.5	265.0	267.9
50°	5549.1	4415.9	1235.0	332.3	281.4	253.0	232.0	224.5	229.0	235.0	238.0
52.5°	5929.3	4704.8	997.0	303.9	253.0	226.0	212.6	203.6	203.6	209.6	211.1
55°	6490.7	5209.3	860.7	270.9	220.0	205.1	193.1	184.1	184.1	187.1	188.6
57.5°	7137.3	5820.0	892.2	227.5	193.1	185.6	175.1	167.7	170.6	170.6	170.6
60°	7047.5	5775.1	955.0	191.6	170.6	167.7	158.7	155.7	163.2	157.2	154.2
62.5°	5191.3	3989.3	500.0	157.2	146.7	143.7	137.7	143.7	154.2	137.7	131.7
65°	2520.8	1931.0	200.6	128.7	124.2	121.3	118.3	127.2	133.2	107.8	101.8
67.5°	592.8	482.0	130.2	109.3	103.3	97.3	100.3	101.8	97.3	73.3	70.4
70°	154.2	151.2	101.8	91.3	82.3	76.3	76.3	74.8	64.4	46.4	43.4
72.5°	83.8	82.3	73.3	68.9	56.9	50.9	52.4	46.4	35.9	26.9	25.4
75°	41.9	44.9	41.9	38.9	31.4	28.4	28.4	25.4	18.0	10.5	10.5
77.5°	9.0	10.5	10.5	9.0	7.5	6.0	6.0	7.5	3.0	0.0	0.0
80°	1.5	1.5	1.5	1.5	1.5	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)