

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: P635774

Luminaire Tested: GWS-SA3E-740-U-SL2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635774
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-SA3E-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: 12913.2 lumens
Efficiency: N/A
Efficacy: 81.1 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

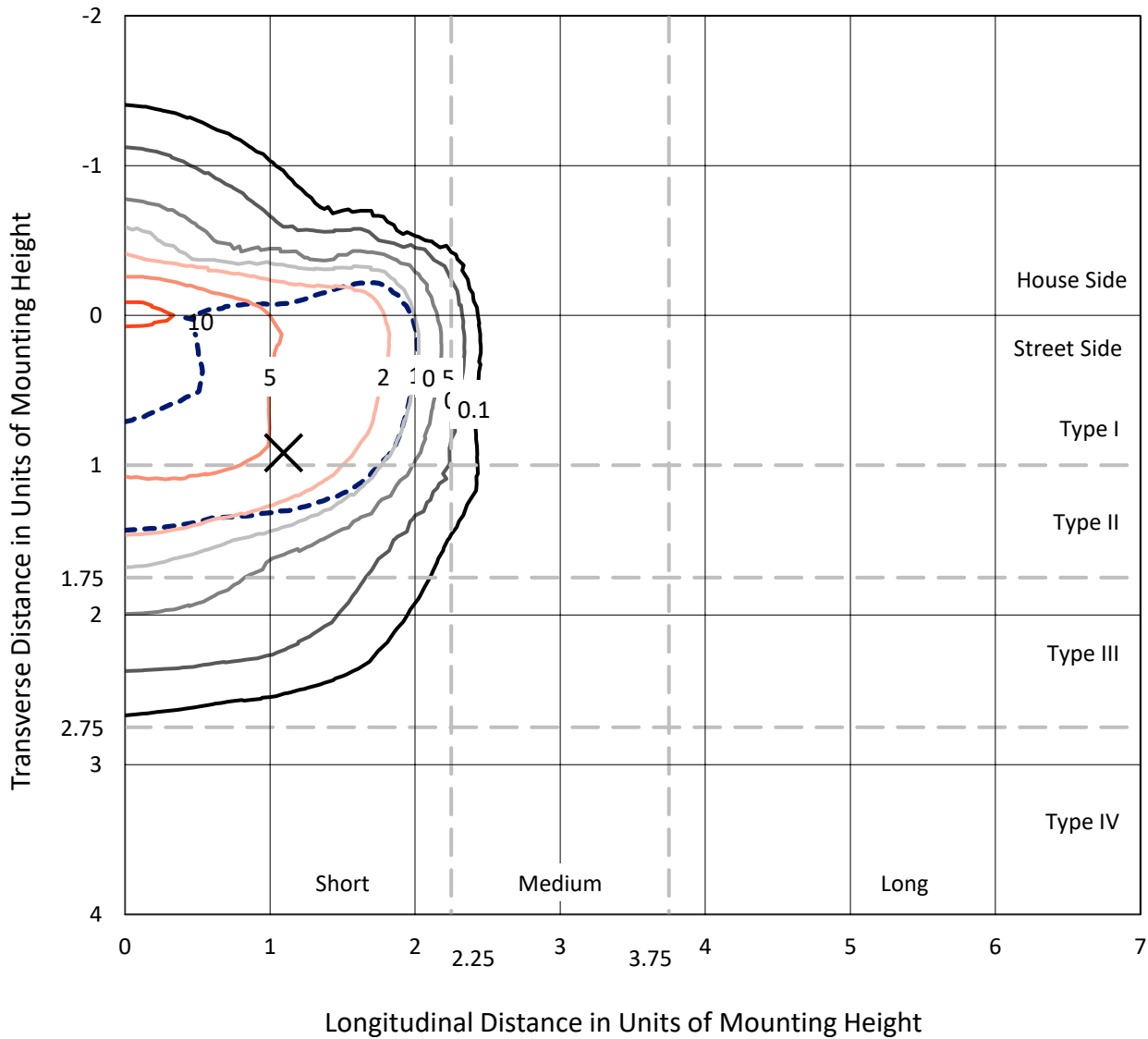
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

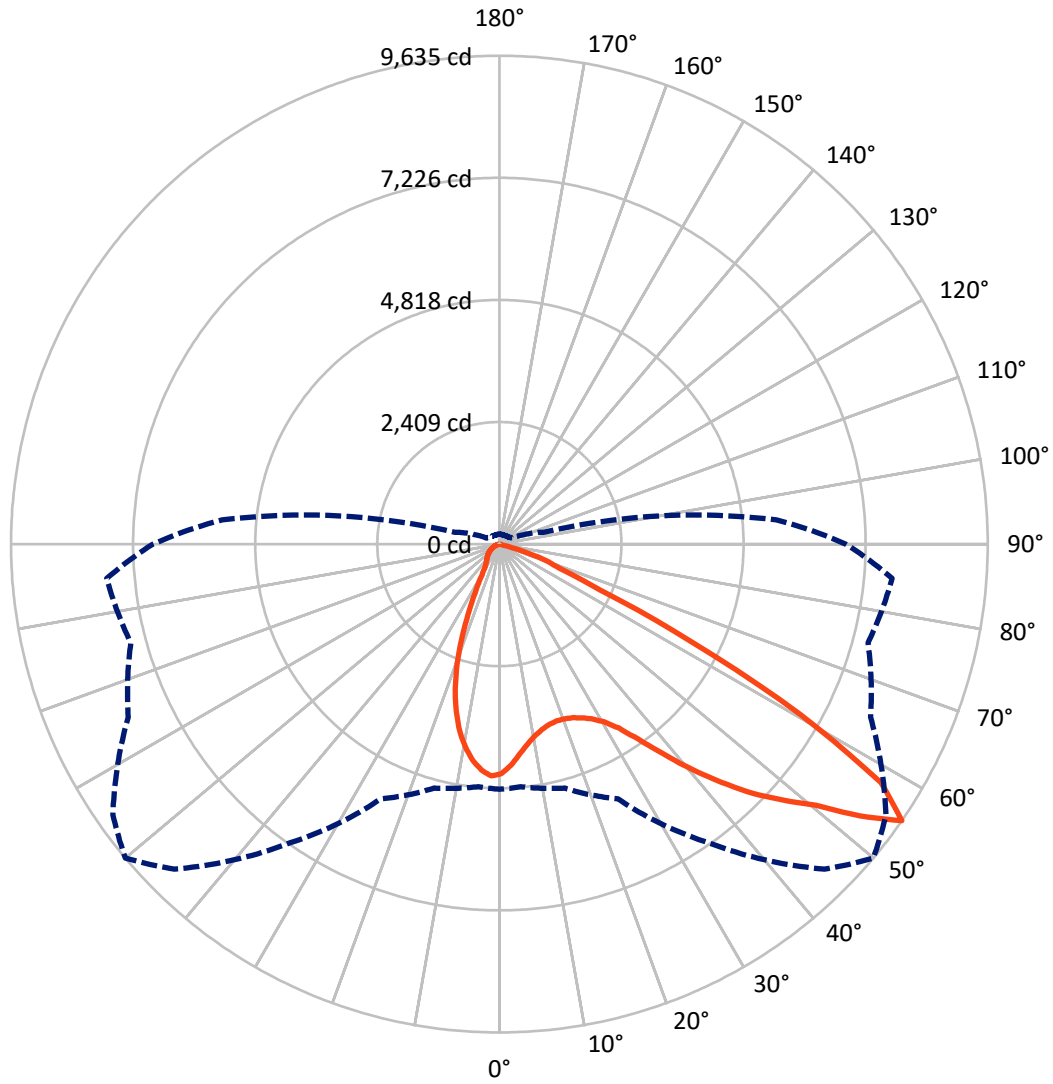
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 11.3 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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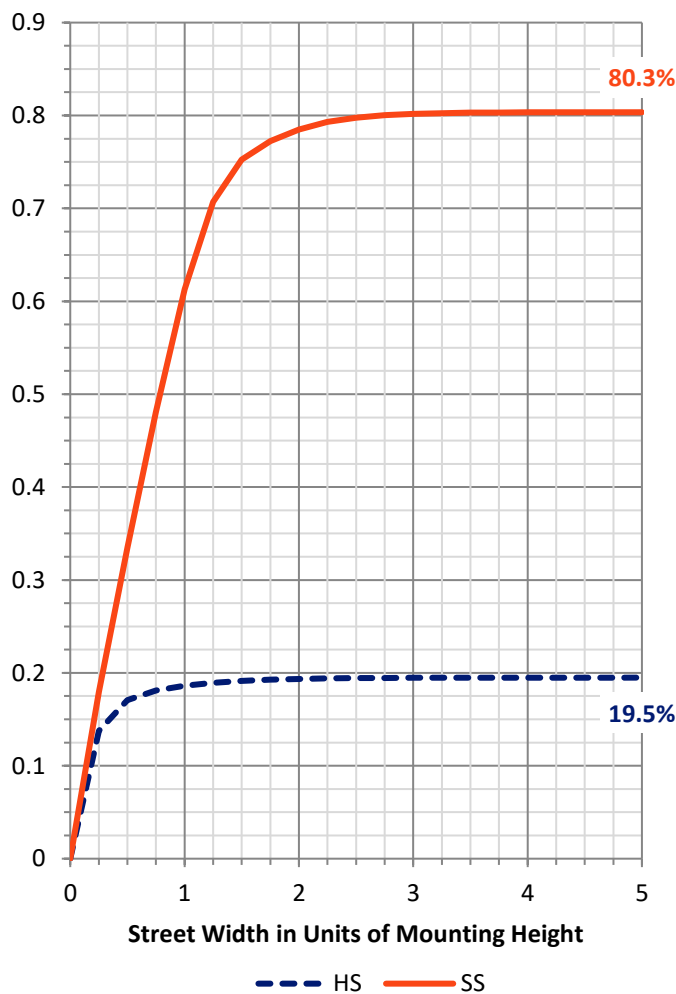
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2544.5	0.0	2544.5
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	10368.7	0.0	10368.7
	% Fixture	80.3	0.0	80.3
Total	Lumens	12913.2	0.0	12913.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	397.9	3.1
10°-20°	979.1	7.6
20°-30°	1381.1	10.7
30°-40°	2043.8	15.8
40°-50°	2948.5	22.8
50°-60°	3478.0	26.9
60°-70°	1551.5	12.0
70°-80°	133.4	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°	12913.2	100.0
0°-180°	12913.2	100.0

Coefficient of Utilization



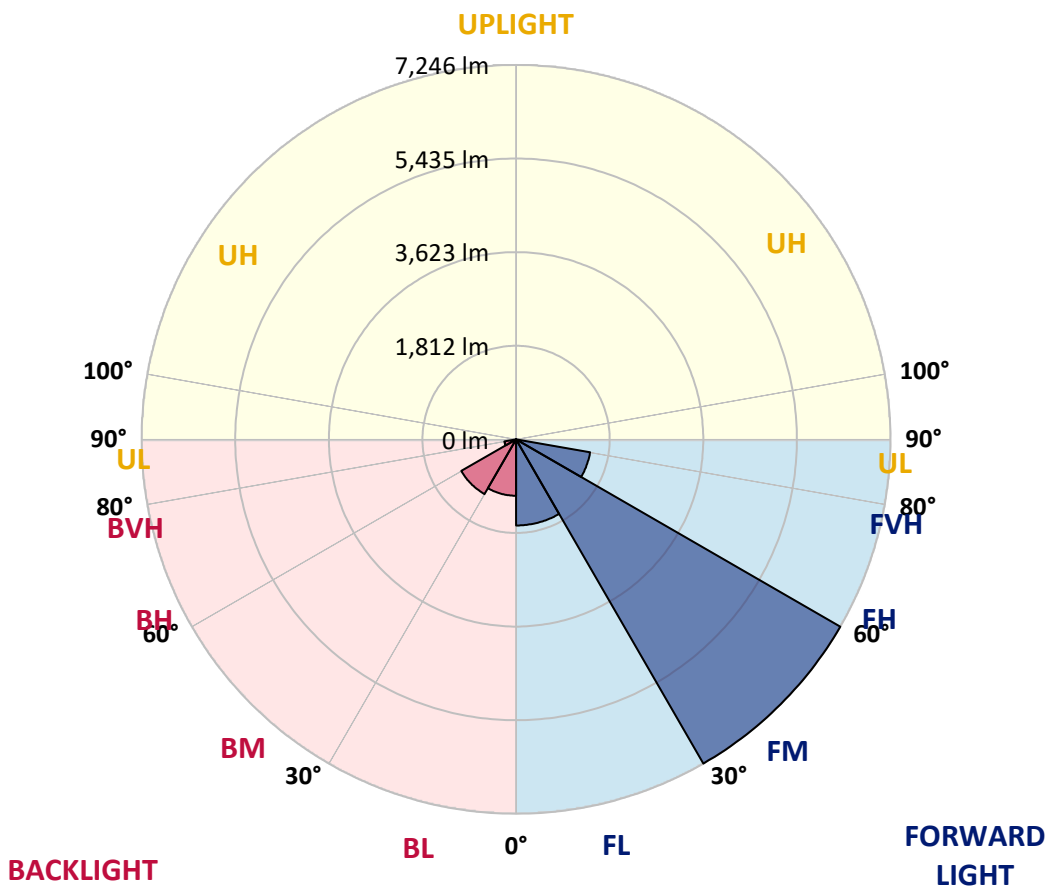
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1667.1	12.9			
FM (30°-60°)	7246.5	56.1			
FH (60°-80°)	1455.1	11.3			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	1091.0	8.4	B3/2500		
BM (30°-60°)	1223.7	9.5	B2/2500		
BH (60°-80°)	229.7	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°	4530.7	4530.7	4530.7	4530.7	4530.7	4530.7	4530.7	4530.7	4530.7	4530.7	4530.7
2.5°	4209.1	4212.2	4213.8	4256.4	4272.1	4335.2	4368.3	4385.6	4431.4	4485.0	4529.1
5°	3926.9	3922.2	3930.0	3983.6	4018.3	4111.3	4161.8	4196.5	4297.4	4423.5	4529.1
7.5°	3681.0	3690.4	3699.9	3758.2	3810.2	3911.1	3983.6	4035.7	4176.0	4363.6	4541.7
10°	3507.6	3507.6	3521.8	3588.0	3649.4	3774.0	3846.5	3912.7	4079.8	4310.0	4555.9
12.5°	3379.9	3381.4	3398.8	3474.5	3545.4	3674.7	3750.3	3815.0	3999.4	4256.4	4559.0
15°	3320.0	3315.2	3329.4	3409.8	3488.6	3610.0	3688.9	3751.9	3942.7	4226.4	4574.8
17.5°	3304.2	3301.1	3312.1	3390.9	3471.3	3589.5	3666.8	3729.8	3934.8	4235.9	4622.1
20°	3349.9	3343.6	3338.9	3406.7	3482.3	3599.0	3679.4	3750.3	3972.6	4287.9	4694.6
22.5°	3458.7	3458.7	3447.7	3480.8	3531.2	3636.8	3720.4	3813.4	4071.9	4391.9	4801.8
25°	3658.9	3643.1	3622.6	3636.8	3630.5	3696.7	3796.1	3925.3	4259.5	4563.8	4932.7
27.5°	3887.5	3901.7	3867.0	3868.6	3813.4	3789.7	3904.8	4100.3	4538.6	4806.5	5126.6
30°	4198.0	4187.0	4188.6	4183.9	4056.2	3944.2	4068.8	4328.9	4890.1	5177.0	5378.8
32.5°	4440.8	4456.6	4508.6	4538.6	4371.4	4191.7	4324.2	4639.4	5290.5	5599.5	5687.8
35°	4697.8	4726.1	4831.8	4929.5	4789.2	4582.7	4724.6	5050.9	5667.3	6017.2	6042.5
37.5°	4968.9	5025.7	5151.8	5323.6	5301.5	5118.7	5247.9	5534.9	5963.6	6269.5	6335.7
40°	5279.5	5334.6	5541.2	5788.7	5840.7	5799.7	5842.3	6009.4	6159.1	6280.5	6461.8
42.5°	5620.0	5695.7	5957.3	6288.4	6483.9	6520.1	6420.8	6403.5	6244.3	6154.4	6435.0
45°	6022.0	6110.3	6406.6	6835.4	7146.0	7194.8	7023.0	6800.7	6297.8	6061.4	6354.6
47.5°	6472.8	6556.4	6851.2	7366.7	7828.6	7847.5	7548.0	7190.1	6457.1	6168.6	6416.1
50°	6624.2	6676.2	6931.6	7536.9	8388.2	8533.2	8099.7	7628.4	6777.1	6483.9	6715.6
52.5°	6103.9	6124.4	6346.7	6958.4	8274.7	9206.4	8905.3	8282.6	7346.2	6964.7	7177.5
55°	4836.5	4803.4	4983.1	5544.3	7191.7	9069.2	9635.2	9310.4	8079.2	7529.0	7778.1
57.5°	3383.0	3343.6	3302.6	3682.5	5366.2	7688.3	8878.5	9453.9	8777.6	8088.7	8426.0
60°	2780.8	2743.0	2544.4	2369.4	3244.3	5520.7	6819.6	7902.7	8720.8	8060.3	8405.5
62.5°	2402.5	2380.4	2300.0	2062.0	1909.1	3151.3	4270.6	5307.9	6692.0	6329.4	6348.3
65°	1887.0	1880.7	1935.9	1961.1	1688.4	1743.5	2178.6	2758.8	3617.9	3411.4	3234.8
67.5°	1289.5	1275.3	1379.4	1696.2	1623.7	1376.2	1275.3	1286.4	1565.4	956.9	759.8
70°	819.7	786.6	788.2	1051.5	1321.1	1086.2	983.7	865.5	778.8	141.9	160.8
72.5°	525.0	504.5	433.5	474.5	611.7	529.7	534.4	460.3	307.4	75.7	88.3
75°	220.7	203.4	156.1	124.5	123.0	77.2	67.8	63.1	42.6	42.6	45.7
77.5°	1.6	0.0	0.0	1.6	3.2	1.6	1.6	3.2	6.3	9.5	11.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
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°	4530.7	4530.7	4530.7	4530.7	4530.7	4530.7	4530.7	4530.7	4530.7	4530.7	4530.7
2.5°	4555.9	4518.1	4560.6	4576.4	4574.8	4576.4	4530.7	4499.1	4497.6	4458.2	4439.2
5°	4573.2	4543.3	4574.8	4554.3	4505.4	4444.0	4362.0	4291.1	4259.5	4213.8	4191.7
7.5°	4606.3	4574.8	4570.1	4488.1	4366.7	4237.5	4092.4	3963.2	3893.8	3810.2	3815.0
10°	4630.0	4593.7	4532.2	4365.1	4163.4	3956.8	3740.9	3548.6	3427.2	3315.2	3296.3
12.5°	4639.4	4585.8	4442.4	4190.2	3906.4	3636.8	3320.0	3045.7	2856.5	2709.9	2689.4
15°	4656.8	4570.1	4327.3	3978.9	3589.5	3208.0	2804.5	2429.3	2178.6	2010.0	2024.1
17.5°	4683.6	4552.7	4198.0	3742.5	3249.0	2709.9	2164.4	1734.1	1503.9	1406.2	1407.8
20°	4721.4	4532.2	4056.2	3482.3	2840.7	2147.1	1513.4	1188.6	1124.0	1120.8	1116.1
22.5°	4771.9	4511.8	3904.8	3197.0	2356.8	1503.9	1007.3	906.4	933.2	985.3	994.7
25°	4831.8	4486.5	3736.1	2875.4	1828.7	986.8	755.1	739.3	804.0	873.3	889.1
27.5°	4924.8	4473.9	3543.8	2509.7	1283.2	707.8	618.0	627.4	685.7	744.1	758.3
30°	5082.4	4497.6	3334.2	2099.8	824.5	564.4	536.0	550.2	581.7	611.7	624.3
32.5°	5296.8	4566.9	3130.8	1652.1	588.0	490.3	484.0	491.8	504.5	521.8	526.5
35°	5547.5	4686.7	2921.1	1182.3	485.5	447.7	441.4	441.4	447.7	450.9	452.4
37.5°	5754.0	4812.9	2724.1	786.6	435.1	414.6	405.1	400.4	398.8	402.0	403.6
40°	5843.8	4864.9	2509.7	572.2	398.8	384.6	370.5	356.3	356.3	367.3	368.9
42.5°	5780.8	4806.5	2262.2	472.9	373.6	353.1	331.1	318.4	324.7	335.8	338.9
45°	5646.8	4663.1	1989.5	417.8	348.4	321.6	296.4	288.5	294.8	309.0	312.1
47.5°	5624.7	4568.5	1663.1	381.5	321.6	294.8	268.0	260.1	268.0	279.0	282.2
50°	5843.8	4650.5	1300.6	350.0	296.4	266.4	244.3	236.5	241.2	247.5	250.7
52.5°	6244.3	4954.7	1049.9	320.0	266.4	238.0	223.9	214.4	214.4	220.7	222.3
55°	6835.4	5486.0	906.4	285.3	231.7	216.0	203.4	193.9	193.9	197.1	198.6
57.5°	7516.4	6129.2	939.6	239.6	203.4	195.5	184.4	176.6	179.7	179.7	179.7
60°	7421.8	6081.9	1005.8	201.8	179.7	176.6	167.1	163.9	171.8	165.5	162.4
62.5°	5467.1	4201.2	526.5	165.5	154.5	151.3	145.0	151.3	162.4	145.0	138.7
65°	2654.7	2033.6	211.2	135.6	130.8	127.7	124.5	134.0	140.3	113.5	107.2
67.5°	624.3	507.6	137.1	115.1	108.8	102.5	105.6	107.2	102.5	77.2	74.1
70°	162.4	159.2	107.2	96.2	86.7	80.4	80.4	78.8	67.8	48.9	45.7
72.5°	88.3	86.7	77.2	72.5	59.9	53.6	55.2	48.9	37.8	28.4	26.8
75°	44.1	47.3	44.1	41.0	33.1	30.0	30.0	26.8	18.9	11.0	11.0
77.5°	9.5	11.0	11.0	9.5	7.9	6.3	6.3	7.9	3.2	0.0	0.0
80°	1.6	1.6	1.6	1.6	1.6	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)