

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: P641714

Luminaire Tested: GWS-SA6B-740-U-SL2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641714
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12432.3 lumens
Efficiency: N/A
Efficacy: 89.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G1

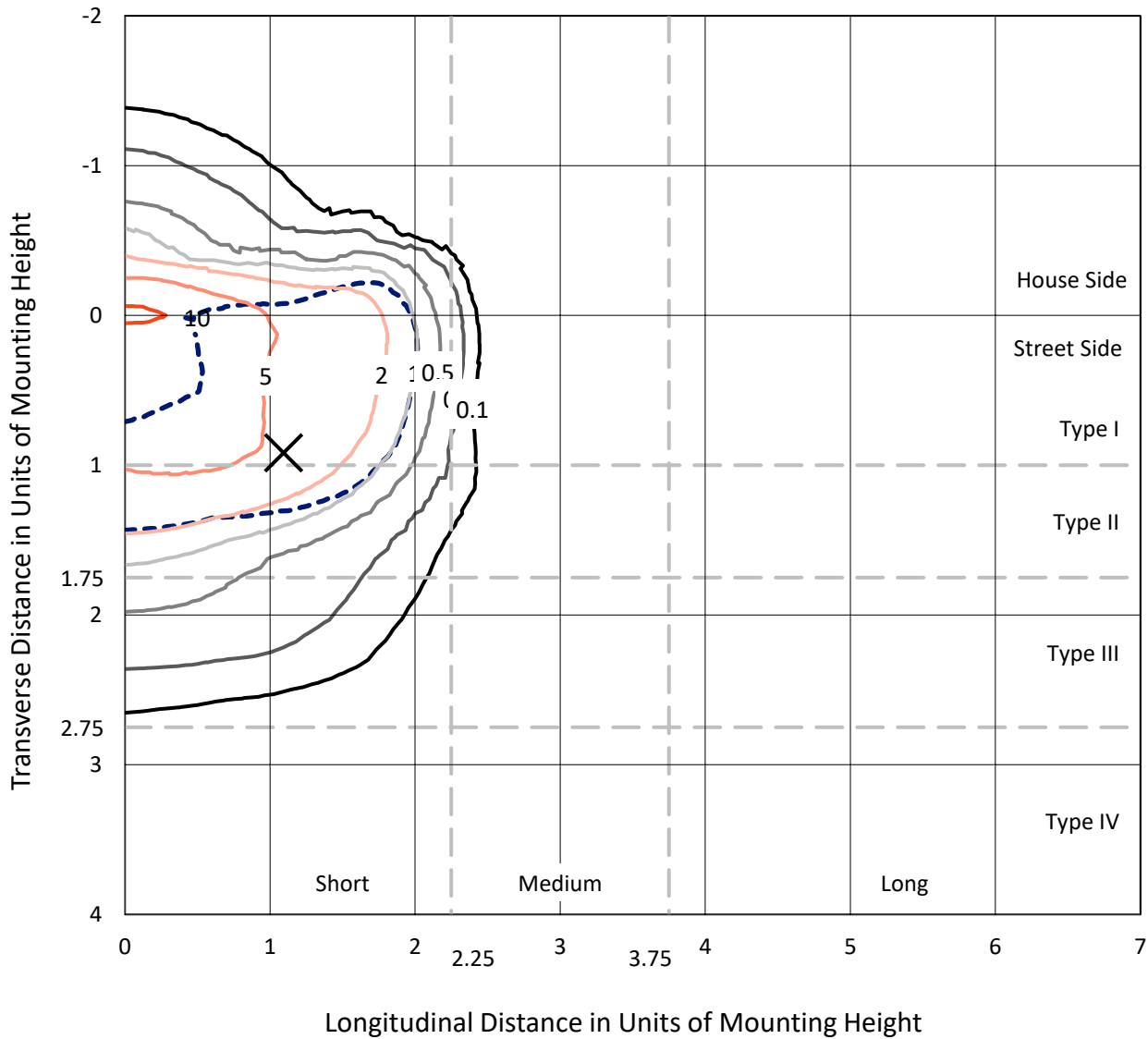
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

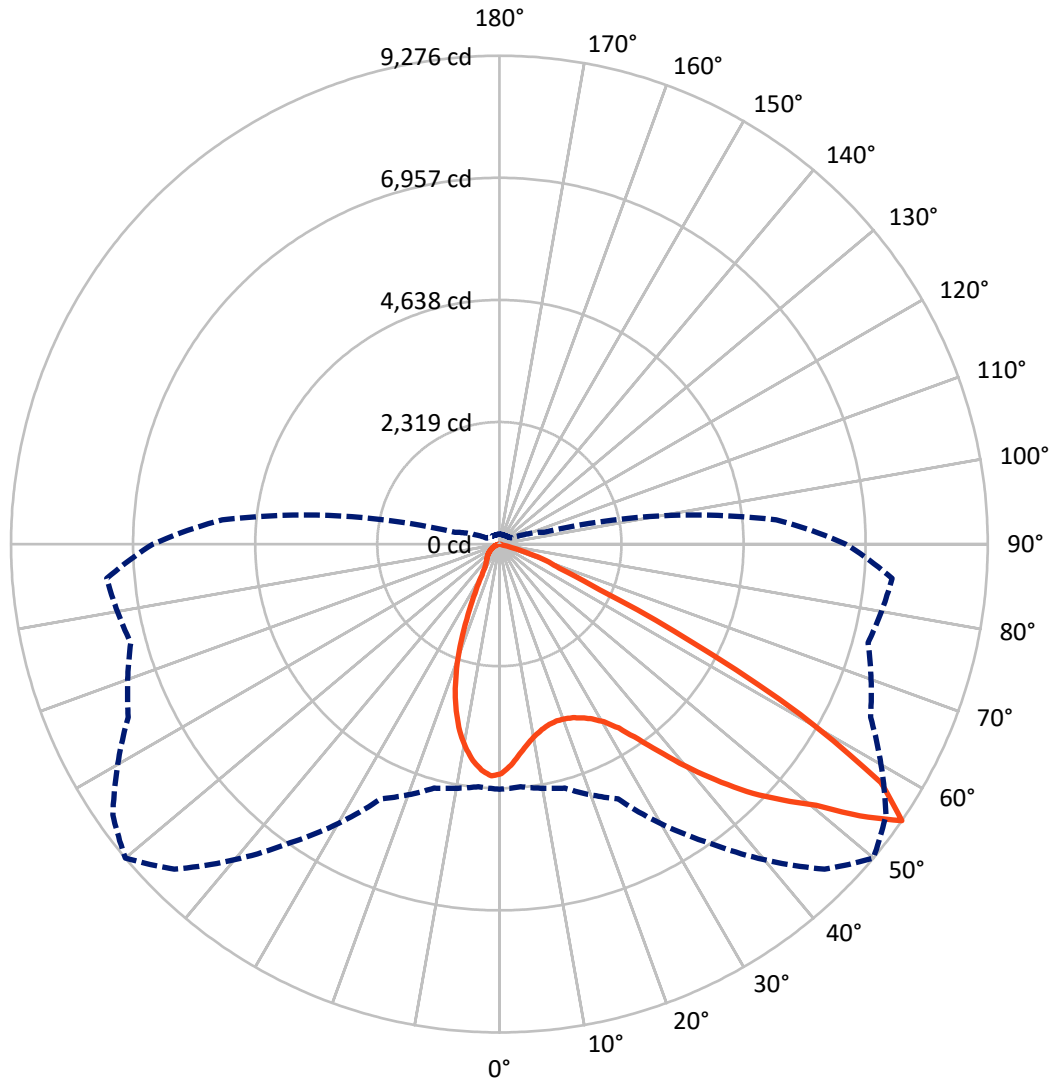
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 10.9 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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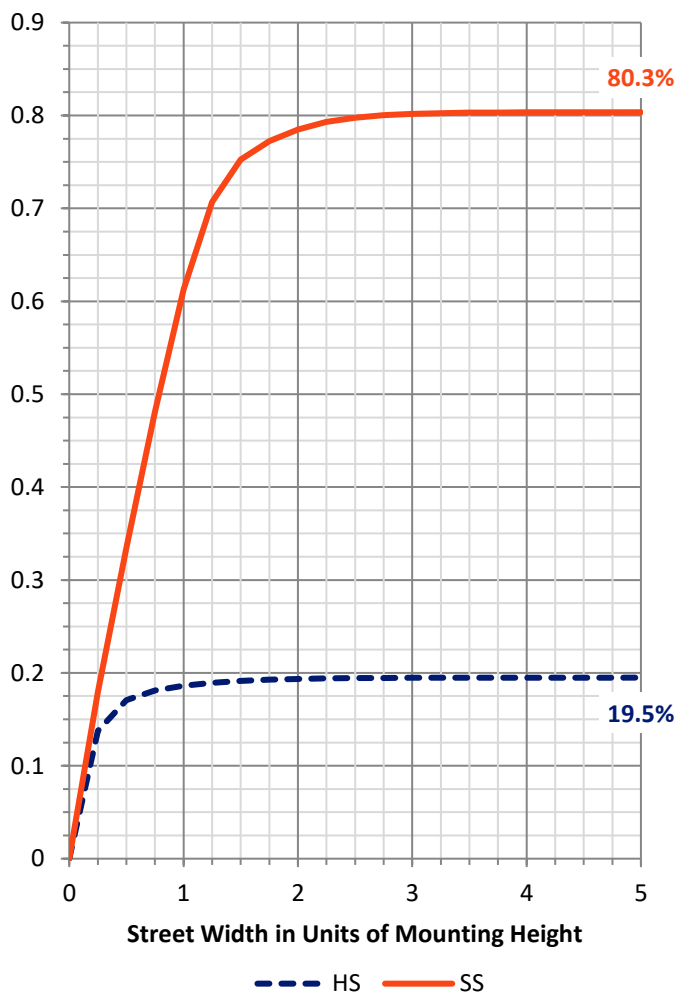
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2449.7	0.0	2449.7
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	9982.6	0.0	9982.6
	% Fixture	80.3	0.0	80.3
Total	Lumens	12432.3	0.0	12432.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	383.1	3.1
10°-20°	942.7	7.6
20°-30°	1329.7	10.7
30°-40°	1967.6	15.8
40°-50°	2838.7	22.8
50°-60°	3348.4	26.9
60°-70°	1493.7	12.0
70°-80°	128.4	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°	12432.3	100.0
0°-180°	12432.3	100.0

Coefficient of Utilization



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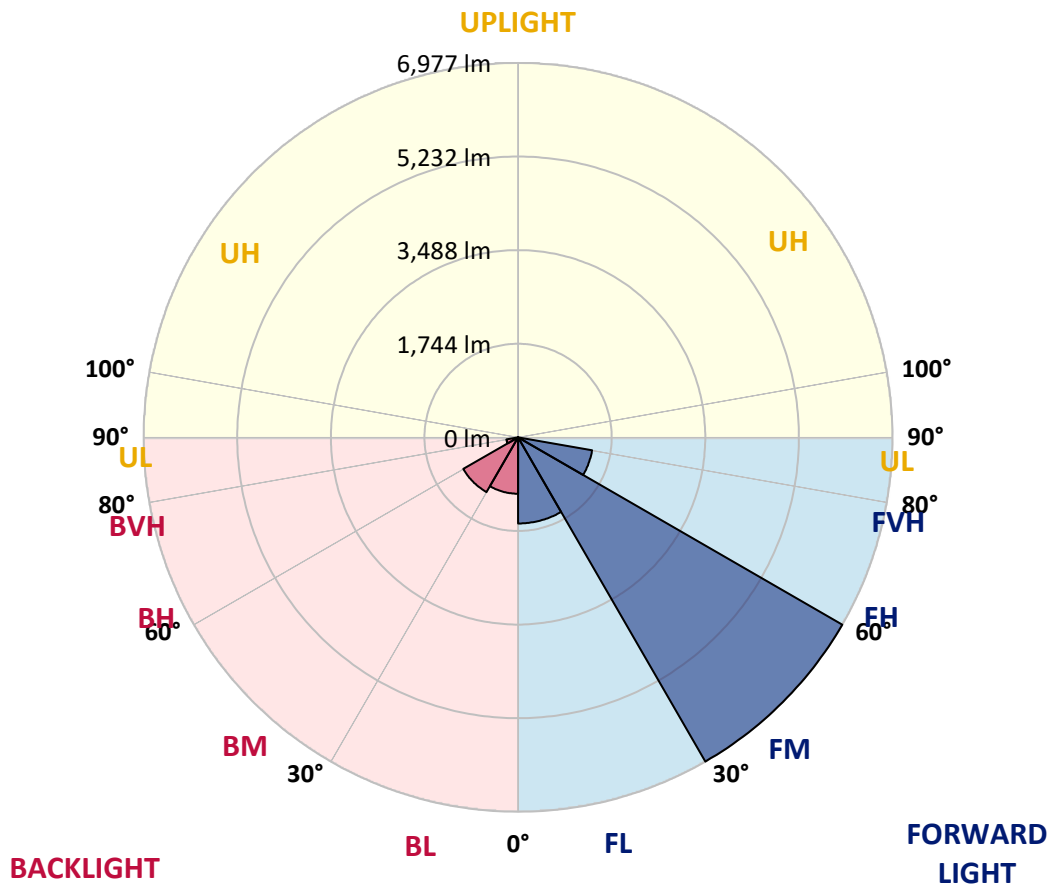
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1605.1	12.9			
FM (30°-60°)	6976.6	56.1			
FH (60°-80°)	1400.9	11.3			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	1050.4	8.4	B3/2500		
BM (30°-60°)	1178.1	9.5	B2/2500		
BH (60°-80°)	221.2	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°	4361.9	4361.9	4361.9	4361.9	4361.9	4361.9	4361.9	4361.9	4361.9	4361.9	4361.9
2.5°	4052.3	4055.4	4056.9	4097.9	4113.0	4173.7	4205.6	4222.3	4266.3	4317.9	4360.4
5°	3780.7	3776.1	3783.7	3835.3	3868.7	3958.2	4006.8	4040.2	4137.3	4258.7	4360.4
7.5°	3543.9	3553.0	3562.1	3618.3	3668.3	3765.5	3835.3	3885.4	4020.5	4201.1	4372.6
10°	3376.9	3376.9	3390.6	3454.3	3513.5	3633.4	3703.2	3767.0	3927.9	4149.5	4386.2
12.5°	3254.0	3255.5	3272.2	3345.1	3413.4	3537.8	3610.7	3672.9	3850.5	4097.9	4389.3
15°	3196.3	3191.8	3205.4	3282.8	3358.7	3475.6	3551.5	3612.2	3795.8	4069.0	4404.4
17.5°	3181.2	3178.1	3188.7	3264.6	3342.0	3455.9	3530.2	3590.9	3788.2	4078.1	4450.0
20°	3225.2	3219.1	3214.5	3279.8	3352.7	3465.0	3542.4	3610.7	3824.7	4128.2	4519.8
22.5°	3329.9	3329.9	3319.3	3351.1	3399.7	3501.4	3581.8	3671.4	3920.3	4228.4	4623.0
25°	3522.6	3507.5	3487.7	3501.4	3495.3	3559.1	3654.7	3779.1	4100.9	4393.8	4749.0
27.5°	3742.7	3756.4	3723.0	3724.5	3671.4	3648.6	3759.4	3947.6	4369.5	4627.5	4935.6
30°	4041.7	4031.1	4032.6	4028.0	3905.1	3797.3	3917.2	4167.7	4708.0	4984.2	5178.5
32.5°	4275.4	4290.6	4340.7	4369.5	4208.7	4035.6	4163.1	4466.7	5093.5	5391.0	5476.0
35°	4522.8	4550.1	4651.8	4745.9	4610.8	4412.0	4548.6	4862.8	5456.2	5793.2	5817.4
37.5°	4783.9	4838.5	4959.9	5125.4	5104.1	4928.1	5052.5	5328.7	5741.6	6036.0	6099.7
40°	5082.9	5136.0	5334.8	5573.1	5623.2	5583.7	5624.7	5785.6	5929.8	6046.6	6221.2
42.5°	5410.7	5483.5	5735.5	6054.2	6242.4	6277.3	6181.7	6165.0	6011.7	5925.2	6195.4
45°	5797.7	5882.7	6168.0	6580.9	6879.8	6926.9	6761.5	6547.5	6063.3	5835.7	6118.0
47.5°	6231.8	6312.2	6596.0	7092.3	7537.0	7555.2	7266.9	6922.3	6216.6	5938.9	6177.1
50°	6377.5	6427.6	6673.4	7256.2	8075.8	8215.4	7798.1	7344.3	6524.7	6242.4	6465.5
52.5°	5876.6	5896.4	6110.4	6699.2	7966.5	8863.5	8573.6	7974.1	7072.6	6705.3	6910.2
55°	4656.4	4624.5	4797.5	5337.8	6923.9	8731.5	9276.3	8963.7	7778.3	7248.7	7488.5
57.5°	3257.0	3219.1	3179.6	3545.4	5166.3	7401.9	8547.8	9101.8	8450.7	7787.4	8112.2
60°	2677.3	2640.8	2449.6	2281.1	3123.5	5315.1	6565.7	7608.4	8396.1	7760.1	8092.5
62.5°	2313.0	2291.8	2214.4	1985.2	1838.0	3033.9	4111.5	5110.2	6442.7	6093.7	6111.9
65°	1816.7	1810.6	1863.8	1888.1	1625.5	1678.6	2097.5	2656.0	3483.2	3284.4	3114.4
67.5°	1241.5	1227.8	1328.0	1633.1	1563.3	1325.0	1227.8	1238.5	1507.1	921.3	731.5
70°	789.2	757.3	758.9	1012.3	1271.9	1045.7	947.1	833.2	749.8	136.6	154.8
72.5°	505.4	485.7	417.4	456.8	588.9	510.0	514.5	443.2	296.0	72.9	85.0
75°	212.5	195.8	150.3	119.9	118.4	74.4	65.3	60.7	41.0	41.0	44.0
77.5°	1.5	0.0	0.0	1.5	3.0	1.5	1.5	3.0	6.1	9.1	10.6
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°	4361.9	4361.9	4361.9	4361.9	4361.9	4361.9	4361.9	4361.9	4361.9	4361.9	4361.9
2.5°	4386.2	4349.8	4390.8	4406.0	4404.4	4406.0	4361.9	4331.6	4330.1	4292.1	4273.9
5°	4402.9	4374.1	4404.4	4384.7	4337.7	4278.5	4199.5	4131.2	4100.9	4056.9	4035.6
7.5°	4434.8	4404.4	4399.9	4321.0	4204.1	4079.6	3940.0	3815.6	3748.8	3668.3	3672.9
10°	4457.6	4422.7	4363.5	4202.6	4008.3	3809.5	3601.6	3416.4	3299.5	3191.8	3173.6
12.5°	4466.7	4415.1	4276.9	4034.1	3760.9	3501.4	3196.3	2932.2	2750.1	2609.0	2589.2
15°	4483.4	4399.9	4166.2	3830.7	3455.9	3088.6	2700.0	2338.8	2097.5	1935.1	1948.8
17.5°	4509.2	4383.2	4041.7	3603.1	3128.0	2609.0	2083.8	1669.5	1447.9	1353.8	1355.3
20°	4545.6	4363.5	3905.1	3352.7	2734.9	2067.1	1457.0	1144.4	1082.1	1079.1	1074.5
22.5°	4594.2	4343.7	3759.4	3077.9	2269.0	1447.9	969.8	872.7	898.5	948.6	957.7
25°	4651.8	4319.4	3597.0	2768.3	1760.6	950.1	727.0	711.8	774.0	840.8	856.0
27.5°	4741.4	4307.3	3411.8	2416.2	1235.4	681.5	594.9	604.1	660.2	716.4	730.0
30°	4893.1	4330.1	3210.0	2021.6	793.8	543.3	516.0	529.7	560.0	588.9	601.0
32.5°	5099.6	4396.8	3014.2	1590.6	566.1	472.0	465.9	473.5	485.7	502.4	506.9
35°	5340.9	4512.2	2812.3	1138.3	467.5	431.0	425.0	425.0	431.0	434.1	435.6
37.5°	5539.7	4633.6	2622.6	757.3	418.9	399.2	390.1	385.5	384.0	387.0	388.5
40°	5626.2	4683.7	2416.2	550.9	384.0	370.3	356.7	343.0	343.0	353.6	355.1
42.5°	5565.5	4627.5	2177.9	455.3	359.7	340.0	318.7	306.6	312.7	323.3	326.3
45°	5436.5	4489.4	1915.4	402.2	335.4	309.6	285.3	277.7	283.8	297.5	300.5
47.5°	5415.2	4398.4	1601.2	367.3	309.6	283.8	258.0	250.4	258.0	268.6	271.7
50°	5626.2	4477.3	1252.1	336.9	285.3	256.5	235.2	227.7	232.2	238.3	241.3
52.5°	6011.7	4770.2	1010.8	308.1	256.5	229.2	215.5	206.4	206.4	212.5	214.0
55°	6580.9	5281.7	872.7	274.7	223.1	207.9	195.8	186.7	186.7	189.7	191.2
57.5°	7236.5	5900.9	904.6	230.7	195.8	188.2	177.6	170.0	173.0	173.0	173.0
60°	7145.5	5855.4	968.3	194.3	173.0	170.0	160.9	157.8	165.4	159.4	156.3
62.5°	5263.5	4044.7	506.9	159.4	148.7	145.7	139.6	145.7	156.3	139.6	133.6
65°	2555.8	1957.9	203.4	130.5	126.0	122.9	119.9	129.0	135.1	109.3	103.2
67.5°	601.0	488.7	132.0	110.8	104.7	98.7	101.7	103.2	98.7	74.4	71.3
70°	156.3	153.3	103.2	92.6	83.5	77.4	77.4	75.9	65.3	47.0	44.0
72.5°	85.0	83.5	74.4	69.8	57.7	51.6	53.1	47.0	36.4	27.3	25.8
75°	42.5	45.5	42.5	39.5	31.9	28.8	28.8	25.8	18.2	10.6	10.6
77.5°	9.1	10.6	10.6	9.1	7.6	6.1	6.1	7.6	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)