

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: P640366

Luminaire Tested: GWS-SA5D-760-U-T3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640366
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5D-760-U-T3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (80) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18715.7 lumens
Efficiency: N/A
Efficacy: 91.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G1

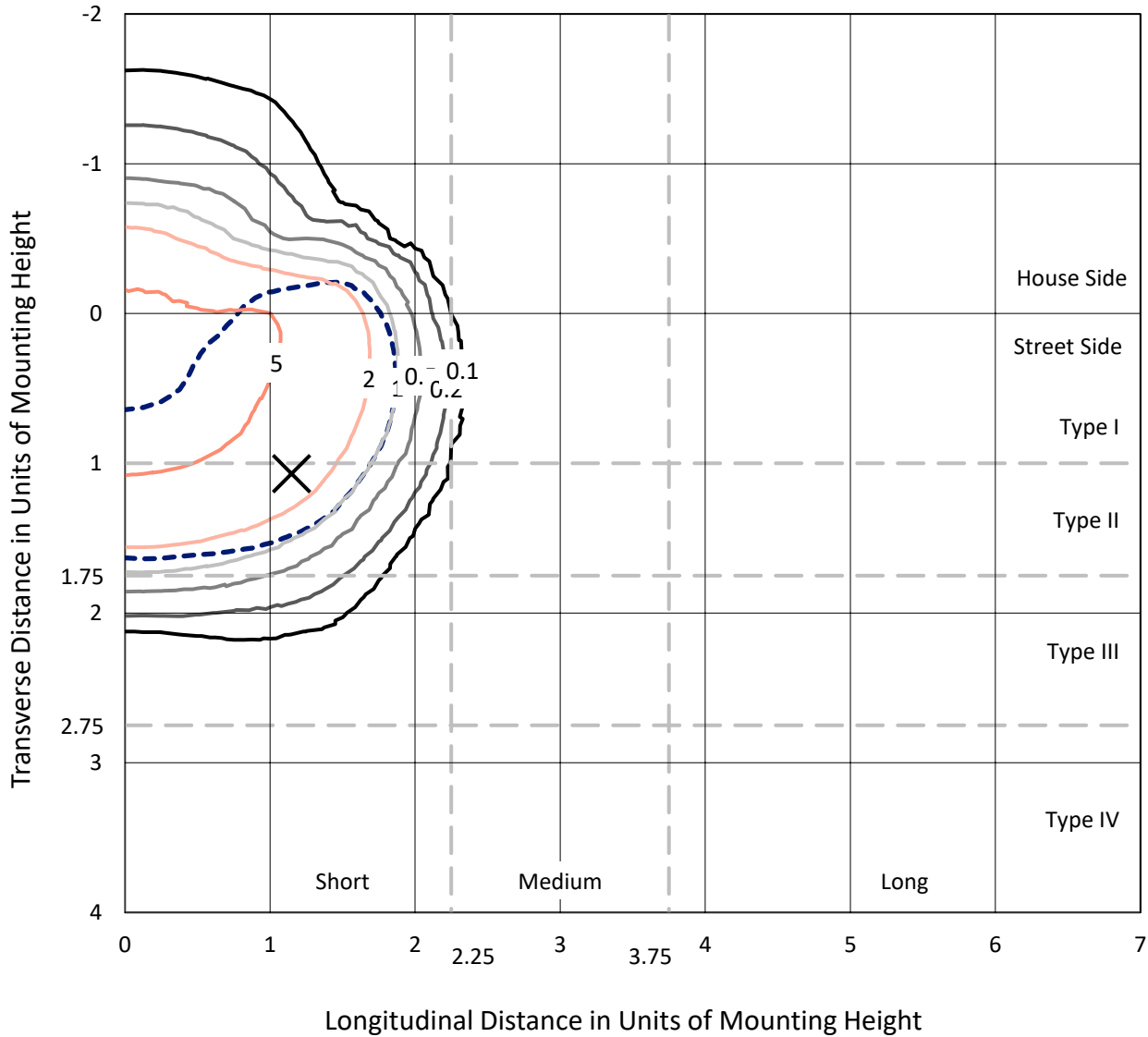
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P640366
 CATALOG NUMBER: GWS-SA5D-760-U-T3-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

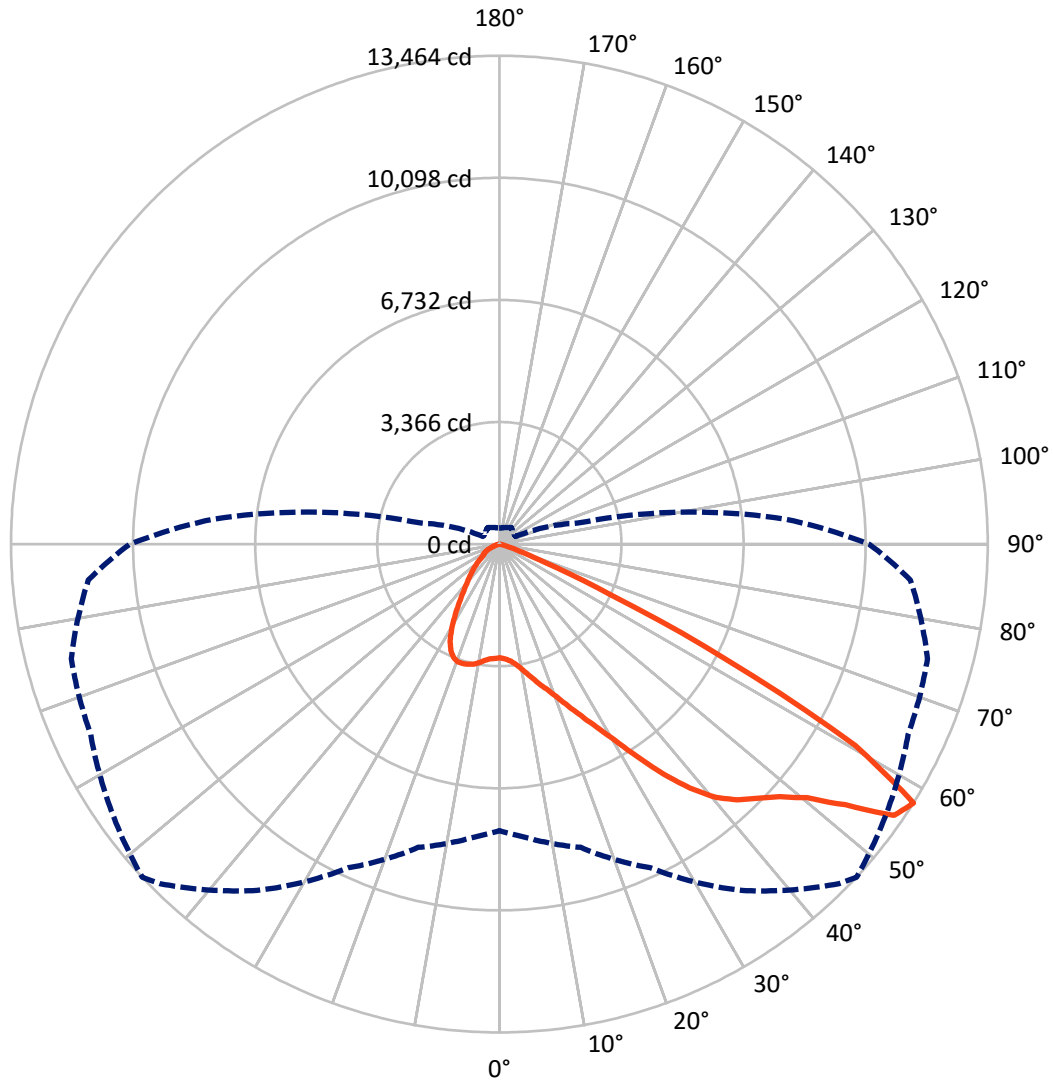
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 fc
 Type II - Short - N/A

REPORT NUMBER: P640366
CATALOG NUMBER: GWS-SA5D-760-U-T3-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P640366
 CATALOG NUMBER: GWS-SA5D-760-U-T3-W-GRSBK

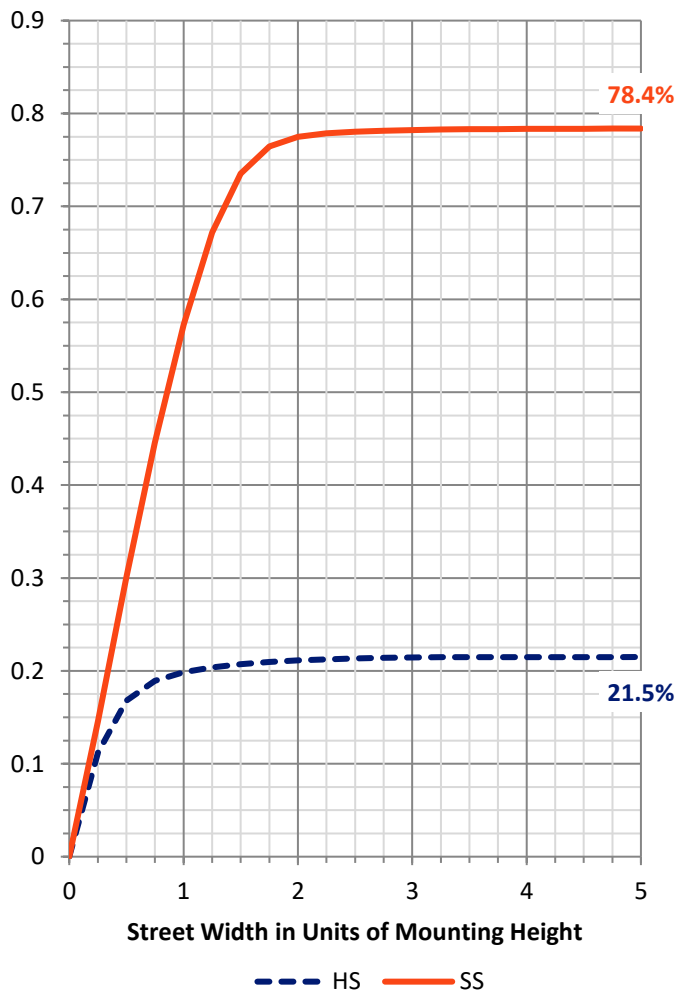
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4060.4	0.0	4060.4
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	14655.3	0.0	14655.3
	% Fixture	78.3	0.0	78.3
Total	Lumens	18715.7	0.0	18715.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	311.7	1.7
10°-20°	1051.7	5.6
20°-30°	1952.8	10.4
30°-40°	3126.1	16.7
40°-50°	4569.7	24.4
50°-60°	5639.8	30.1
60°-70°	1884.5	10.1
70°-80°	175.6	0.9
80°-90°	3.6	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°	18715.7	100.0
0°-180°	18715.7	100.0

Coefficient of Utilization



REPORT NUMBER: P640366

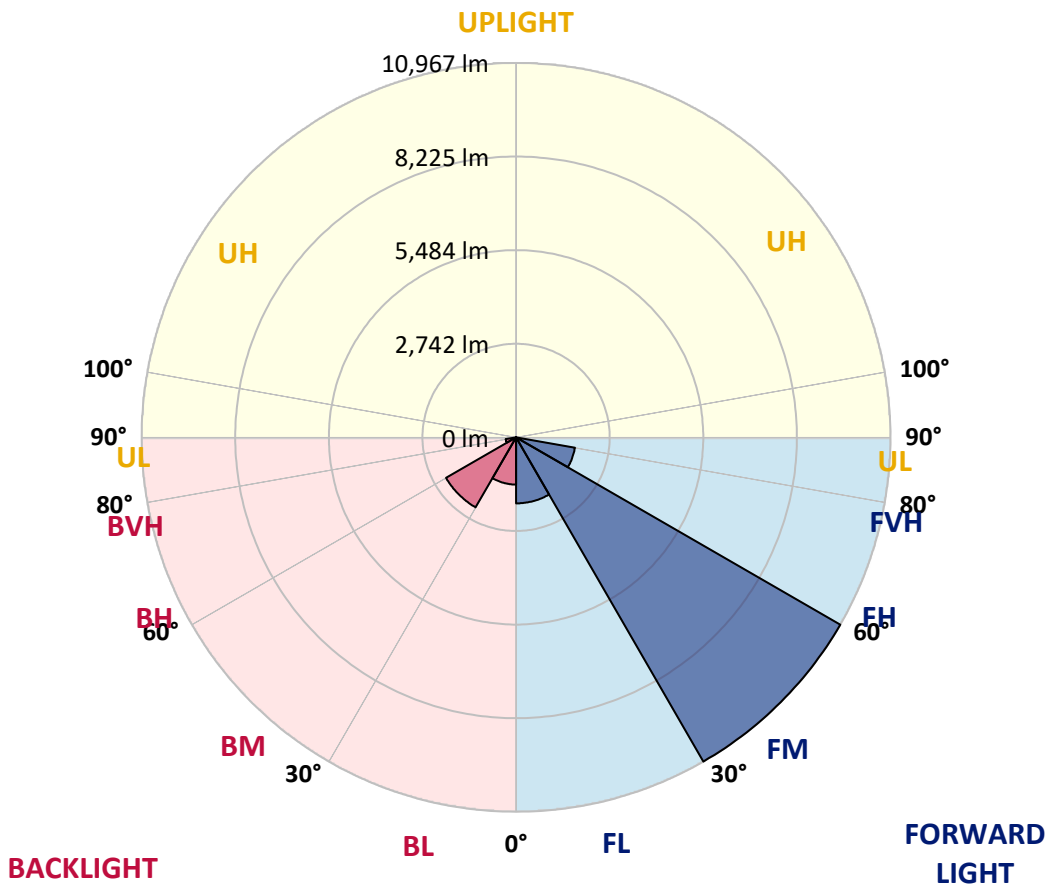
CATALOG NUMBER: GWS-SA5D-760-U-T3-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1934.2	10.3			
FM (30°-60°)	10967.2	58.6			
FH (60°-80°)	1751.4	9.4			G1/1800
FVH (80°-90°)	2.5	0.0			G0/10
BL (0°-30°)	1382.1	7.4	B3/2500		
BM (30°-60°)	2368.4	12.7	B2/2500		
BH (60°-80°)	308.7	1.6	B1/500		G1/500
BVH (80°-90°)	1.2	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





REPORT NUMBER: P640366

CATALOG NUMBER: GWS-SA5D-760-U-T3-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0
2.5°	3165.6	3163.4	3161.3	3174.3	3170.0	3167.8	3172.1	3172.1	3172.1	3159.1	3133.0
5°	3241.7	3241.7	3239.5	3252.5	3241.7	3235.1	3237.3	3237.3	3228.6	3204.7	3172.1
7.5°	3361.2	3356.8	3352.5	3365.5	3354.6	3352.5	3356.8	3343.8	3328.6	3289.5	3243.8
10°	3532.8	3532.8	3526.3	3539.3	3530.6	3526.3	3526.3	3517.6	3489.4	3428.5	3361.2
12.5°	3769.6	3758.8	3743.6	3732.7	3728.3	3726.2	3728.3	3715.3	3684.9	3606.7	3513.3
15°	4028.2	4019.5	3995.6	3978.2	3954.3	3950.0	3963.0	3952.1	3921.7	3815.3	3682.7
17.5°	4354.1	4364.9	4304.1	4267.2	4197.6	4193.3	4197.6	4215.0	4193.3	4056.4	3863.1
20°	4632.2	4640.9	4595.3	4569.2	4506.2	4477.9	4486.6	4514.9	4491.0	4330.2	4060.8
22.5°	4929.8	4940.7	4892.9	4838.6	4810.3	4810.3	4842.9	4882.0	4849.5	4638.7	4286.7
25°	5286.2	5294.9	5255.8	5184.1	5134.1	5197.1	5244.9	5349.2	5294.9	5008.1	4554.0
27.5°	5694.6	5696.8	5640.3	5566.4	5540.4	5657.7	5705.5	5866.3	5844.6	5423.1	4836.4
30°	6131.3	6133.5	6120.5	6070.5	6046.6	6200.9	6266.1	6498.5	6483.3	5938.0	5221.0
32.5°	6585.4	6585.4	6609.3	6605.0	6633.2	6885.3	6989.6	7254.6	7239.4	6568.1	5699.0
35°	7041.7	7043.9	7085.2	7189.5	7306.8	7641.4	7778.3	8099.8	8065.0	7322.0	6309.5
37.5°	7561.0	7539.3	7595.7	7752.2	8012.9	8399.6	8530.0	8836.4	8797.2	8093.3	7106.9
40°	8186.7	8147.6	8147.6	8330.1	8625.6	9071.0	9181.8	9333.9	9201.4	8716.9	7889.1
42.5°	8877.6	8840.7	8792.9	8953.7	9201.4	9549.0	9640.3	9599.0	9490.3	9305.7	8779.9
45°	9577.2	9520.8	9553.3	9651.1	9794.5	9959.6	9994.4	9803.2	9753.2	9805.4	9516.4
47.5°	10109.6	10070.4	10150.8	10287.7	10405.0	10428.9	10405.0	10140.0	10135.6	10320.3	10027.0
50°	10287.7	10292.1	10513.7	10813.5	11002.5	11022.1	10989.5	10685.3	10644.0	10698.4	10302.9
52.5°	10305.1	10322.5	10646.2	11217.6	11732.6	11967.2	11941.1	11613.1	11208.9	11150.3	10720.1
55°	9885.8	9987.9	10439.8	11274.1	12369.2	13118.7	13205.6	12577.7	11978.1	11928.1	11617.4
57.5°	7902.1	8110.7	8656.0	9844.5	11658.7	13238.2	13464.2	13012.3	12432.2	12219.2	11376.2
60°	4723.4	4982.0	5505.6	6963.5	8873.3	10880.9	11269.8	11332.8	11065.5	10450.7	8727.7
62.5°	2027.1	2005.4	2650.7	3767.5	5277.5	6915.7	7091.7	7365.4	7597.9	6954.8	5297.0
65°	695.3	756.1	1051.6	1699.0	2642.0	3211.2	3367.7	3613.2	3943.4	3254.7	1940.2
67.5°	430.2	456.3	606.2	1003.8	1425.3	1403.6	1334.0	1294.9	1260.2	862.6	532.3
70°	312.9	334.6	425.8	690.9	958.2	673.5	584.5	473.6	525.8	484.5	378.0
72.5°	210.8	228.1	293.3	419.3	491.0	328.1	304.2	345.5	417.2	397.6	308.5
75°	126.0	136.9	167.3	204.2	199.9	169.5	171.6	243.3	319.4	297.7	219.4
77.5°	86.9	91.3	110.8	132.5	97.8	52.1	47.8	67.4	108.6	108.6	73.9
80°	21.7	28.2	28.2	17.4	15.2	13.0	13.0	19.6	30.4	21.7	10.9
82.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	4.3	4.3	4.3	4.3
85°	0.0	0.0	2.2	2.2	2.2	2.2	2.2	2.2	4.3	4.3	4.3
87.5°	0.0	0.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2	4.3	4.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P640366

CATALOG NUMBER: GWS-SA5D-760-U-T3-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0	3133.0
2.5°	3148.2	3122.2	3139.5	3135.2	3148.2	3152.6	3133.0	3128.7	3130.9	3104.8	3096.1
5°	3178.7	3148.2	3156.9	3148.2	3163.4	3176.5	3170.0	3178.7	3189.5	3170.0	3161.3
7.5°	3243.8	3213.4	3211.2	3198.2	3219.9	3228.6	3226.5	3250.4	3272.1	3259.0	3246.0
10°	3356.8	3315.5	3311.2	3300.3	3306.8	3313.4	3289.5	3293.8	3313.4	3298.2	3291.6
12.5°	3495.9	3445.9	3435.0	3409.0	3409.0	3376.4	3324.2	3313.4	3328.6	3317.7	3306.8
15°	3645.8	3578.4	3561.0	3515.4	3472.0	3411.1	3356.8	3343.8	3354.6	3341.6	3332.9
17.5°	3813.1	3737.0	3680.5	3600.2	3504.6	3432.9	3372.0	3343.8	3326.4	3300.3	3298.2
20°	3978.2	3878.3	3782.7	3654.5	3528.5	3419.8	3319.9	3246.0	3183.0	3143.9	3128.7
22.5°	4169.4	4021.7	3867.4	3687.1	3506.7	3341.6	3165.6	3039.6	2931.0	2894.0	2876.7
25°	4373.6	4182.4	3952.1	3717.5	3432.9	3167.8	2928.8	2741.9	2598.5	2550.7	2531.2
27.5°	4599.6	4336.7	4039.0	3711.0	3280.8	2920.1	2602.9	2370.4	2229.2	2185.7	2200.9
30°	4886.4	4536.6	4147.7	3643.6	3052.6	2572.5	2200.9	2005.4	1898.9	1857.7	1859.8
32.5°	5268.8	4823.4	4306.3	3500.2	2759.3	2177.0	1851.1	1707.7	1636.0	1581.7	1577.4
35°	5816.3	5260.1	4454.0	3269.9	2403.0	1825.1	1588.2	1475.3	1375.3	1312.3	1323.2
37.5°	6472.5	5809.8	4534.4	2959.2	2003.2	1551.3	1390.5	1275.4	1162.4	1069.0	1079.8
40°	7250.3	6529.0	4527.9	2550.7	1638.2	1364.5	1225.4	1090.7	949.5	864.7	873.4
42.5°	8117.2	7209.0	4386.7	2118.4	1357.9	1212.4	1066.8	897.3	760.4	708.3	710.5
45°	8868.9	7760.9	4139.0	1670.8	1142.8	1064.6	901.7	727.9	667.0	630.1	627.9
47.5°	9425.2	8165.0	3784.8	1314.5	969.0	929.9	740.9	651.8	604.0	573.6	569.2
50°	9735.9	8306.2	3393.8	1029.9	819.1	788.7	662.7	591.0	558.4	538.8	534.5
52.5°	10153.0	8475.7	3113.5	812.6	686.6	645.3	610.5	549.7	528.0	512.8	506.2
55°	10813.5	8803.8	2870.1	645.3	571.4	562.7	575.8	525.8	512.8	488.9	480.2
57.5°	10192.1	7908.6	2229.2	499.7	482.3	514.9	556.2	501.9	469.3	447.6	438.9
60°	7172.1	5257.9	1121.1	401.9	430.2	482.3	523.6	454.1	421.5	425.8	421.5
62.5°	3954.3	2631.1	504.1	336.8	373.7	425.8	447.6	393.3	371.5	408.5	415.0
65°	1292.8	895.2	291.1	260.7	295.5	347.6	386.7	373.7	369.4	412.8	425.8
67.5°	397.6	295.5	197.7	186.9	204.2	256.4	325.9	404.1	434.5	447.6	454.1
70°	297.7	232.5	169.5	158.6	167.3	195.5	275.9	336.8	317.2	319.4	315.0
72.5°	239.0	184.7	145.6	139.1	139.1	134.7	145.6	182.5	206.4	217.3	217.3
75°	167.3	130.4	110.8	102.1	80.4	65.2	58.7	58.7	52.1	50.0	47.8
77.5°	56.5	47.8	43.5	34.8	23.9	19.6	17.4	15.2	10.9	6.5	4.3
80°	8.7	6.5	4.3	4.3	4.3	2.2	2.2	2.2	0.0	0.0	0.0
82.5°	4.3	4.3	4.3	4.3	4.3	2.2	2.2	0.0	0.0	0.0	0.0
85°	4.3	4.3	4.3	4.3	4.3	2.2	2.2	0.0	0.0	0.0	0.0
87.5°	4.3	4.3	4.3	4.3	2.2	2.2	2.2	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)