

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: P635336

Luminaire Tested: GWS-SA3D-750-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635336
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-750-U-SL2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14270 lumens
Efficiency: N/A
Efficacy: 118.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

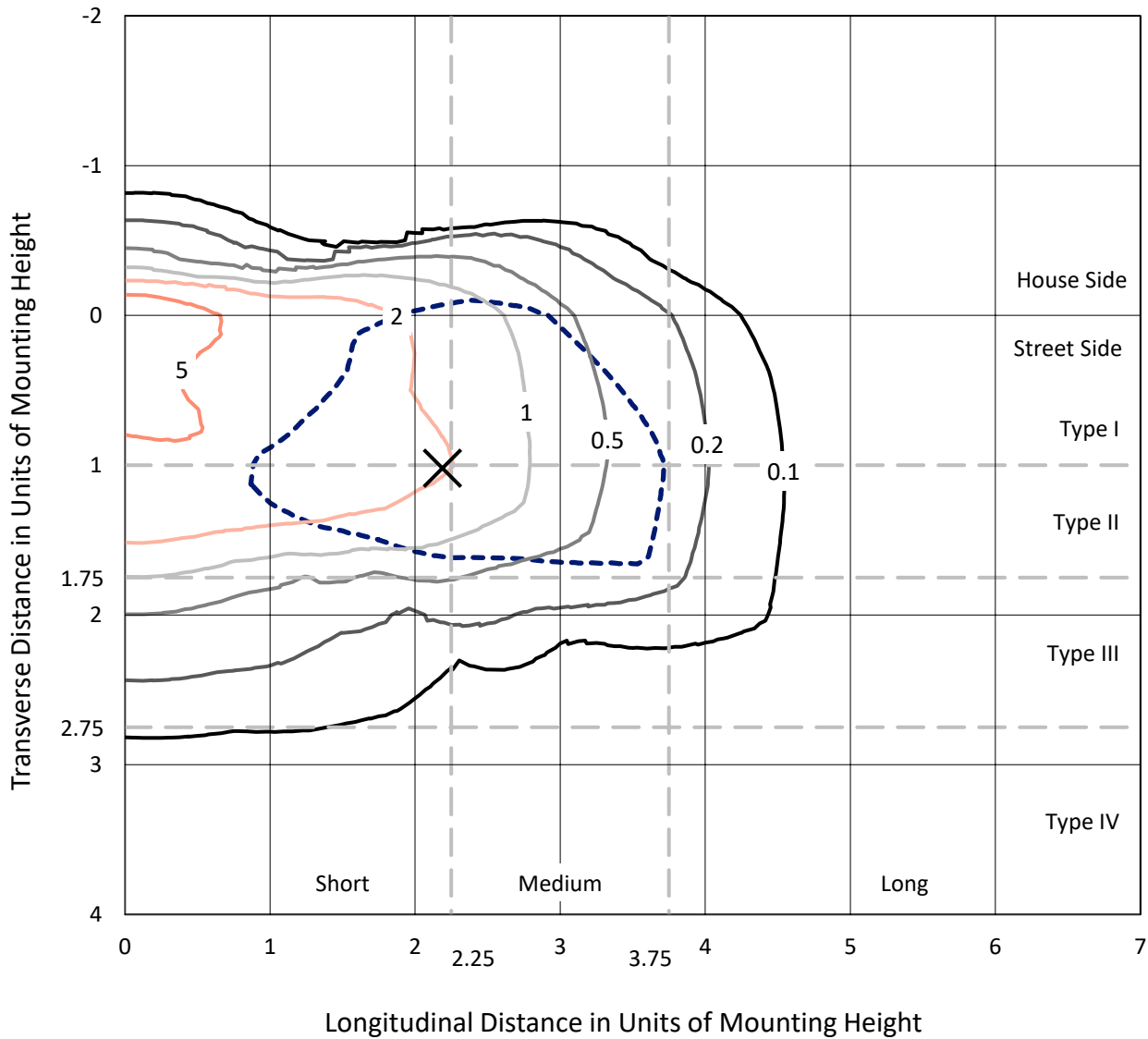
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

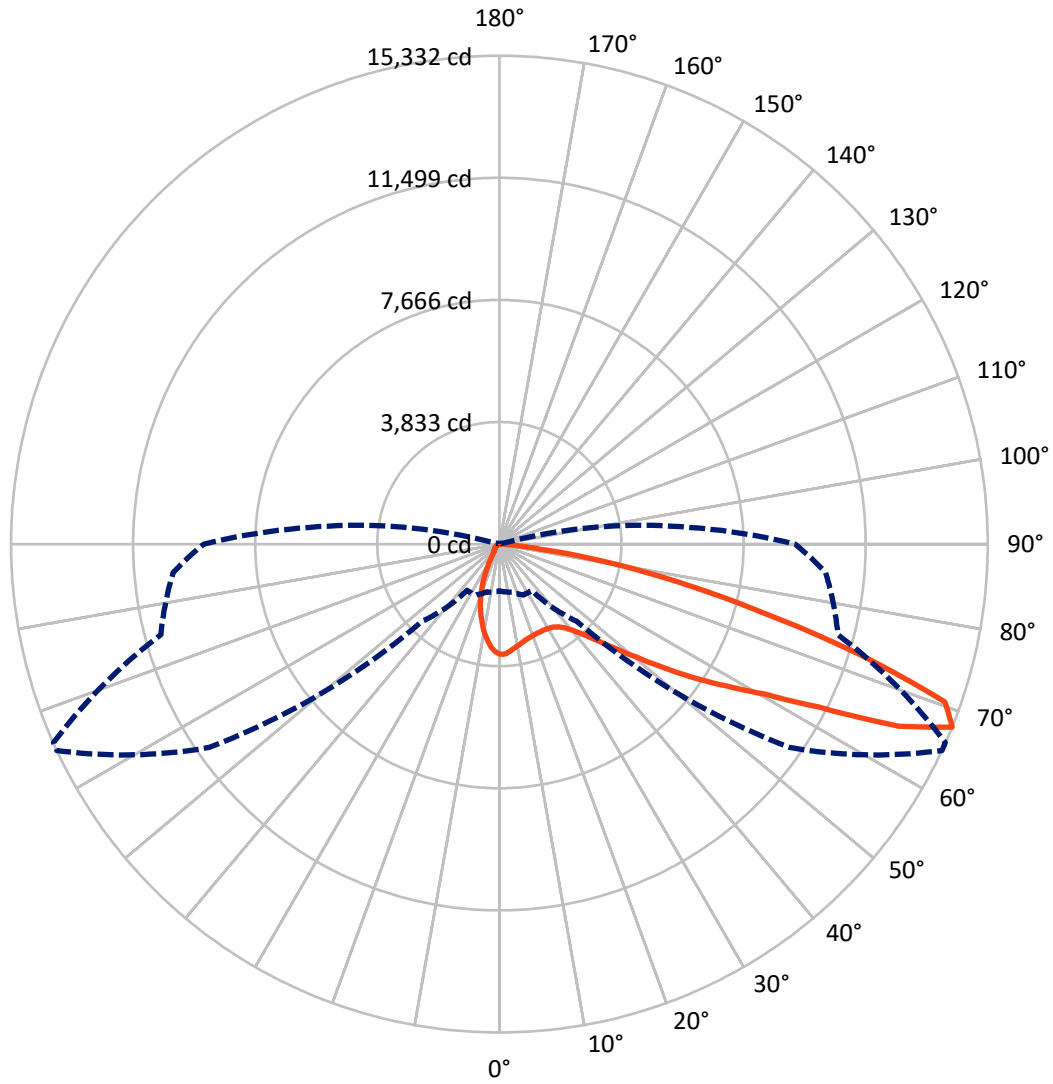
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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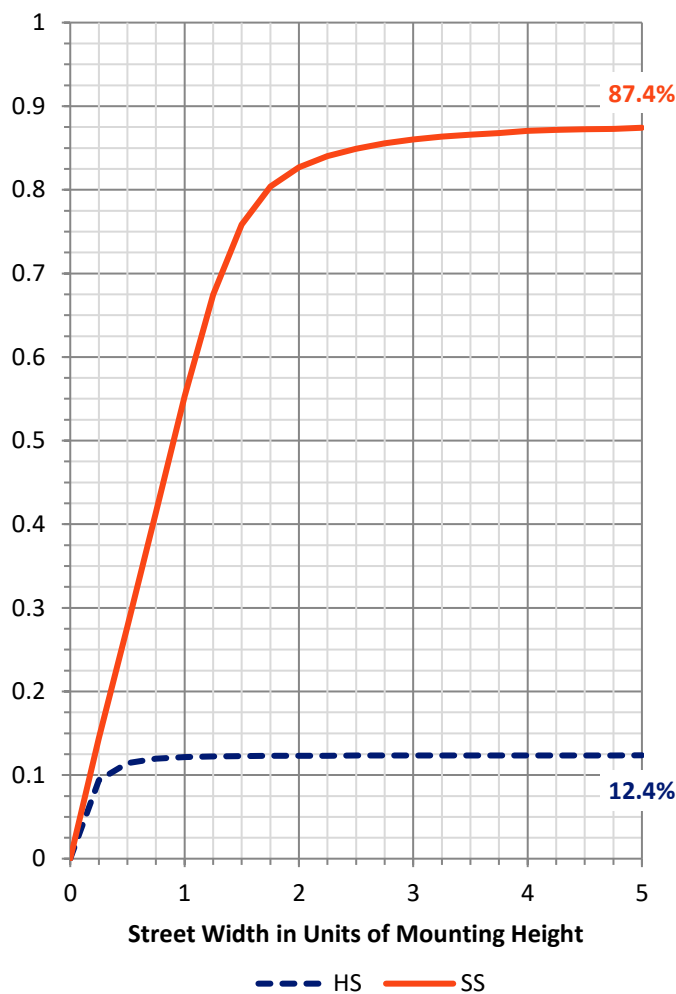
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1781.9	0.0	1781.9
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	12488.1	0.0	12488.1
	% Fixture	87.5	0.0	87.5
Total	Lumens	14270.0	0.0	14270.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	287.4	2.0
10°-20°	646.2	4.5
20°-30°	923.3	6.5
30°-40°	1343.3	9.4
40°-50°	2103.9	14.7
50°-60°	3282.1	23.0
60°-70°	3605.3	25.3
70°-80°	1918.7	13.4
80°-90°	159.7	1.1
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°	14270.0	100.0
0°-180°	14270.0	100.0

Coefficient of Utilization



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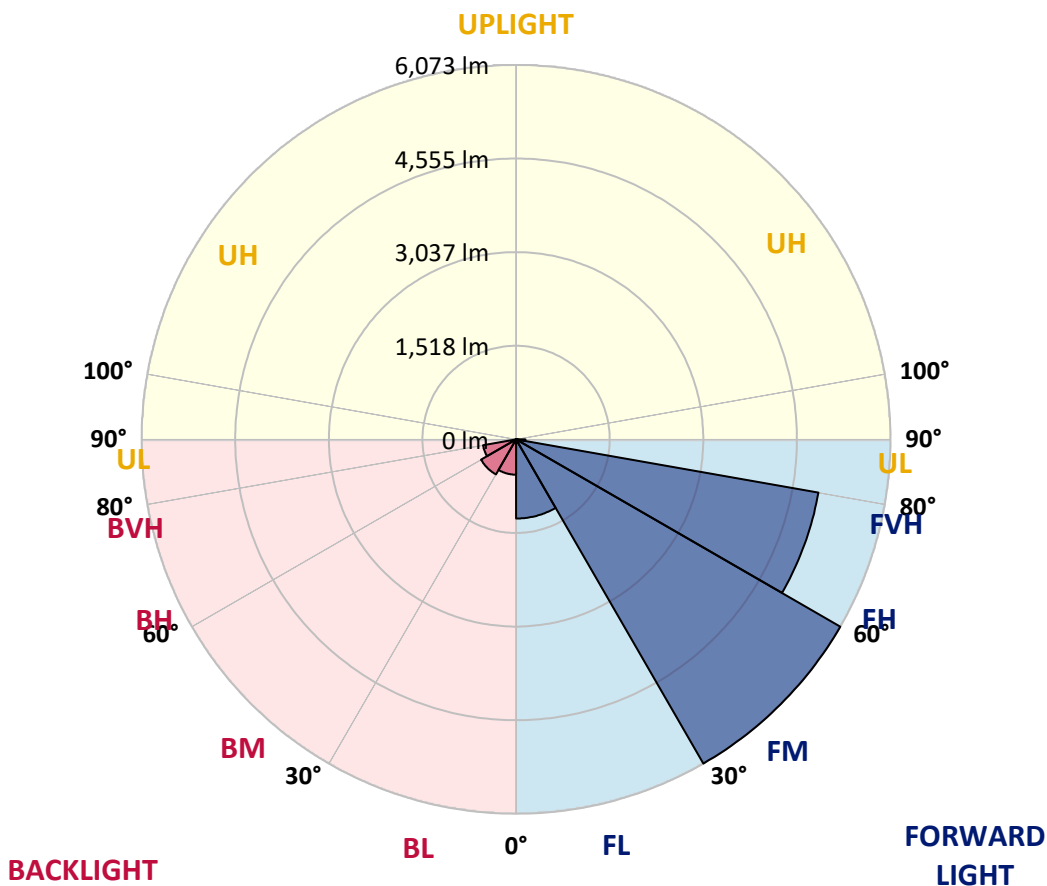
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1284.2	9.0			
FM (30°-60°)	6073.0	42.6			
FH (60°-80°)	4979.7	34.9			G2/5000
FVH (80°-90°)	151.2	1.1			G2/225
BL (0°-30°)	572.7	4.0	B2/1000		
BM (30°-60°)	656.3	4.6	B1/1000		
BH (60°-80°)	544.3	3.8	B2/1000		G2/1000
BVH (80°-90°)	8.5	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	3460.9	3460.9	3460.9	3460.9	3460.9	3460.9	3460.9	3460.9	3460.9	3460.9	3460.9
2.5°	3340.9	3351.2	3337.0	3371.9	3378.3	3417.1	3439.0	3454.5	3453.2	3472.5	3472.5
5°	3144.8	3155.1	3147.4	3184.8	3214.5	3275.1	3325.4	3383.5	3386.1	3445.4	3467.4
7.5°	2978.3	2979.6	2979.6	3026.1	3064.8	3139.6	3214.5	3303.5	3313.8	3405.4	3463.5
10°	2841.5	2845.4	2846.7	2899.6	2942.2	3032.5	3128.0	3235.1	3246.7	3370.6	3460.9
12.5°	2747.3	2748.6	2753.8	2809.3	2855.7	2949.9	3046.7	3169.3	3184.8	3330.6	3449.3
15°	2702.2	2699.6	2702.2	2748.6	2795.1	2885.4	2984.8	3116.4	3133.2	3297.0	3450.6
17.5°	2699.6	2695.7	2693.1	2728.0	2757.6	2837.6	2938.3	3081.5	3099.6	3281.6	3464.8
20°	2737.0	2734.4	2721.5	2737.0	2743.4	2809.3	2908.6	3054.4	3072.5	3279.0	3495.8
22.5°	2835.1	2828.6	2809.3	2795.1	2760.2	2798.9	2888.0	3035.1	3055.7	3285.4	3535.8
25°	2980.9	2978.3	2953.8	2918.9	2829.9	2814.4	2889.3	3035.1	3054.4	3293.2	3578.4
27.5°	3200.3	3184.8	3153.8	3093.2	2965.4	2875.1	2915.1	3042.8	3062.2	3303.5	3613.2
30°	3423.5	3422.2	3411.9	3349.9	3160.3	2991.2	2969.3	3063.5	3081.5	3312.5	3645.5
32.5°	3654.5	3658.4	3684.2	3636.4	3428.7	3164.1	3067.3	3106.1	3119.0	3330.6	3673.8
35°	3873.9	3881.6	3950.0	3966.8	3755.1	3426.1	3227.4	3191.2	3192.5	3370.6	3711.3
37.5°	4084.2	4110.0	4219.7	4301.0	4161.6	3743.5	3458.3	3335.8	3325.4	3450.6	3768.0
40°	4322.9	4372.0	4510.0	4648.1	4604.2	4162.9	3773.2	3557.7	3535.8	3597.7	3870.0
42.5°	4587.5	4640.4	4823.6	5017.2	5037.8	4670.1	4166.8	3881.6	3844.2	3845.5	4061.0
45°	4871.4	4942.3	5155.3	5434.0	5559.2	5235.3	4652.0	4319.1	4281.6	4226.1	4368.1
47.5°	5244.3	5306.2	5511.4	5832.7	6072.7	5841.8	5288.2	4881.7	4813.3	4732.0	4845.6
50°	5565.6	5619.8	5796.6	6199.2	6698.6	6623.8	6009.5	5585.0	5519.2	5381.1	5475.3
52.5°	5636.6	5679.2	5841.8	6294.7	7177.4	7610.9	6893.5	6435.4	6388.9	6133.4	6169.5
55°	5317.8	5382.4	5528.2	6031.5	7302.5	8576.2	8040.6	7394.1	7297.4	6889.6	6954.1
57.5°	4512.6	4627.5	4764.3	5418.5	6963.1	9089.8	9643.4	8409.7	8322.0	7617.4	7618.7
60°	3307.4	3400.3	3491.9	4090.7	6157.9	9054.9	11097.7	9550.4	9390.4	8212.3	8190.3
62.5°	2405.4	2453.1	2451.8	2664.7	4228.7	8458.7	11861.6	11269.3	10896.4	8848.5	8723.3
65°	1891.8	1890.5	1946.0	2015.6	2361.5	6529.6	11955.8	13779.2	13376.6	9701.4	9440.8
67.5°	1472.4	1500.8	1556.3	1761.4	1774.3	3417.1	11127.3	15331.6	15323.8	11003.5	10280.8
70°	1135.6	1174.3	1253.0	1552.4	1638.8	1912.4	8325.8	14839.9	14965.1	11585.5	9685.9
72.5°	729.1	726.5	842.6	1254.3	1574.3	1593.7	4604.2	11788.0	11930.0	10493.8	7831.6
75°	407.8	410.4	476.2	767.8	1467.2	1499.5	2280.2	8405.8	8518.1	8181.3	6017.3
77.5°	160.0	165.2	223.2	403.9	967.8	1339.5	1354.9	5732.1	5748.9	5070.1	3690.6
80°	64.5	68.4	113.6	250.3	589.7	902.0	967.8	3377.0	3308.7	1962.7	1073.6
82.5°	19.4	20.6	45.2	141.9	308.4	641.3	653.0	1295.6	1223.3	422.0	273.6
85°	1.3	1.3	10.3	43.9	109.7	161.3	434.9	422.0	374.2	105.8	121.3
87.5°	0.0	0.0	1.3	1.3	2.6	5.2	46.5	77.4	78.7	19.4	54.2
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°	3460.9	3460.9	3460.9	3460.9	3460.9	3460.9	3460.9	3460.9	3460.9	3460.9	3460.9
2.5°	3472.5	3426.1	3422.2	3386.1	3349.9	3304.8	3251.9	3213.2	3186.1	3138.3	3129.3
5°	3467.4	3405.4	3347.4	3244.1	3129.3	3005.4	2897.0	2796.4	2733.1	2690.5	2672.5
7.5°	3457.1	3378.3	3244.1	3049.3	2857.0	2640.2	2471.2	2316.3	2210.5	2148.6	2121.5
10°	3449.3	3343.5	3125.4	2829.9	2531.8	2232.4	1975.6	1745.9	1618.2	1517.5	1500.8
12.5°	3433.8	3293.2	2973.1	2573.1	2188.6	1791.1	1463.3	1182.0	987.2	899.4	868.5
15°	3418.3	3240.3	2820.9	2302.1	1814.3	1324.0	926.5	655.5	521.3	480.0	477.5
17.5°	3415.8	3192.5	2655.7	2045.3	1422.1	867.2	527.8	424.6	396.2	385.8	385.8
20°	3423.5	3152.5	2493.1	1749.8	1036.2	527.8	393.6	367.8	351.0	342.0	342.0
22.5°	3431.2	3111.2	2337.0	1451.7	687.8	385.8	347.1	325.2	305.8	295.5	290.3
25°	3436.4	3066.1	2164.0	1152.4	449.1	335.5	304.5	276.2	252.9	240.0	240.0
27.5°	3435.1	3011.9	1989.8	859.4	348.4	298.1	260.7	231.0	207.8	193.6	194.9
30°	3424.8	2952.5	1809.2	600.0	304.5	260.7	223.2	192.3	169.0	157.4	156.1
32.5°	3417.1	2889.3	1600.1	422.0	273.6	228.4	189.7	160.0	140.7	131.6	130.3
35°	3408.0	2827.3	1401.4	321.3	246.5	197.4	160.0	135.5	120.0	112.3	112.3
37.5°	3410.6	2762.8	1185.9	276.2	219.4	171.6	136.8	116.1	103.2	95.5	94.2
40°	3450.6	2724.1	974.3	250.3	194.9	148.4	118.7	100.7	87.7	80.0	78.7
42.5°	3550.0	2725.4	771.7	231.0	172.9	126.5	103.2	86.5	74.8	65.8	64.5
45°	3748.7	2779.6	592.3	210.3	149.7	109.7	89.0	73.6	61.9	54.2	52.9
47.5°	4073.9	2940.9	449.1	192.3	130.3	95.5	76.1	61.9	51.6	45.2	43.9
50°	4591.3	3232.5	353.6	170.3	109.7	82.6	64.5	51.6	42.6	36.1	34.8
52.5°	5213.3	3670.0	303.3	151.0	94.2	72.3	55.5	42.6	34.8	29.7	28.4
55°	5928.2	4192.6	280.0	131.6	80.0	61.9	45.2	34.8	28.4	24.5	21.9
57.5°	6583.8	4663.6	278.7	112.3	68.4	52.9	37.4	29.7	24.5	19.4	18.1
60°	7222.5	5057.2	262.0	92.9	59.4	43.9	32.3	24.5	20.6	16.8	15.5
62.5°	7801.9	5377.2	219.4	74.8	50.3	36.1	27.1	21.9	18.1	14.2	14.2
65°	8529.7	5785.0	167.8	60.7	41.3	29.7	23.2	19.4	16.8	12.9	12.9
67.5°	9282.0	6000.5	120.0	50.3	33.6	25.8	20.6	18.1	14.2	11.6	11.6
70°	8407.1	5070.1	86.5	41.3	28.4	21.9	18.1	16.8	14.2	11.6	10.3
72.5°	6565.7	3655.8	64.5	32.3	24.5	20.6	16.8	15.5	12.9	10.3	10.3
75°	4868.8	2131.8	49.0	25.8	19.4	16.8	16.8	15.5	12.9	10.3	9.0
77.5°	2646.7	743.3	37.4	20.6	15.5	12.9	14.2	14.2	11.6	9.0	7.7
80°	700.7	203.9	25.8	15.5	12.9	10.3	10.3	12.9	10.3	7.7	7.7
82.5°	203.9	59.4	18.1	12.9	10.3	9.0	9.0	9.0	7.7	6.5	5.2
85°	99.4	21.9	12.9	10.3	9.0	7.7	6.5	6.5	5.2	3.9	3.9
87.5°	43.9	9.0	10.3	9.0	9.0	6.5	5.2	3.9	3.9	2.6	1.3
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)