

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P527557

Luminaire Tested: **GALN-SA2C-750-U-SL3-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527557
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-19)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA2C-750-U-SL3-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 5000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8268 lumens
Efficiency: N/A
Efficacy: 76.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

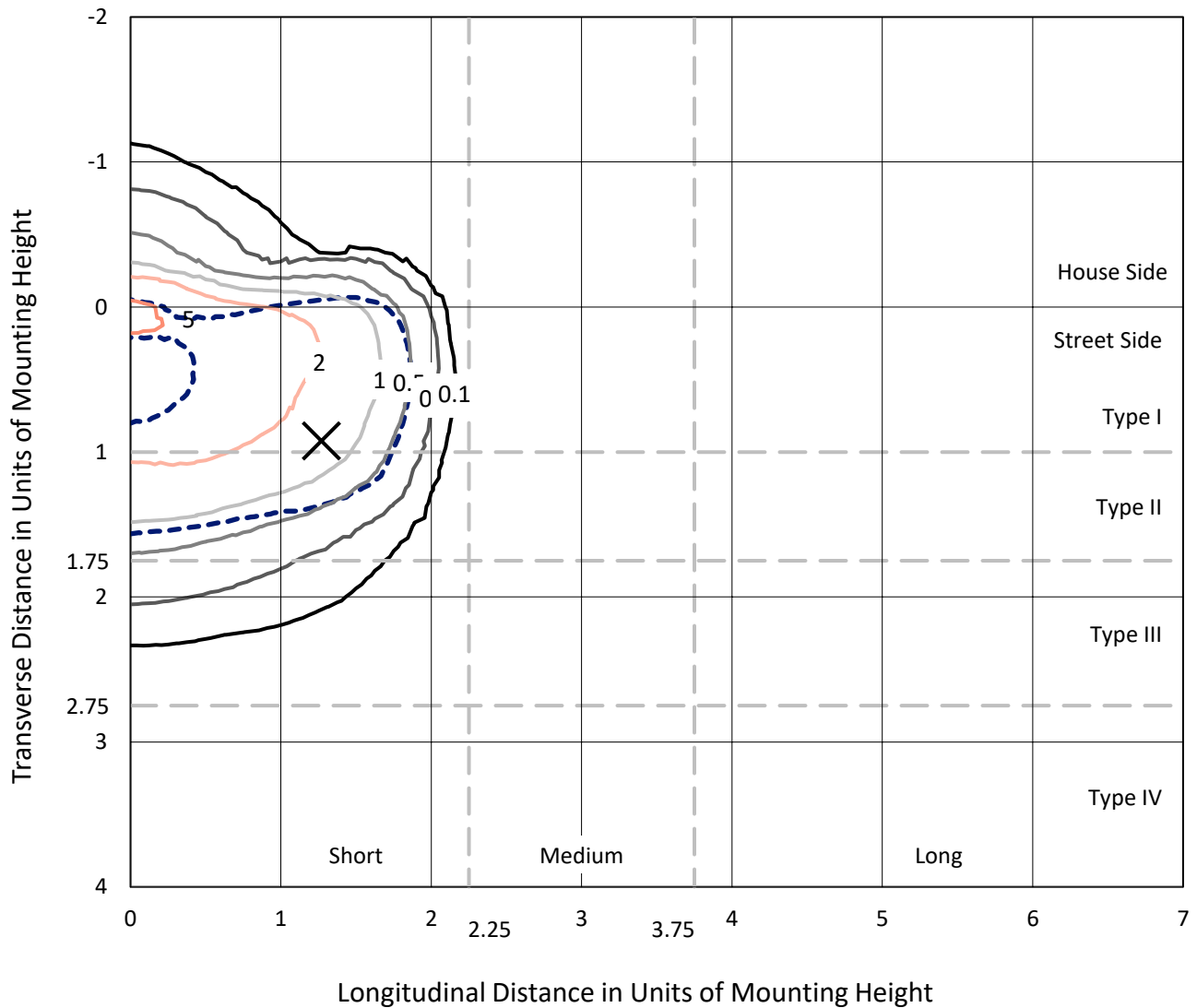
Input Watts (W): 108
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P527557
 CATALOG NUMBER: GALN-SA2C-750-U-SL3-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

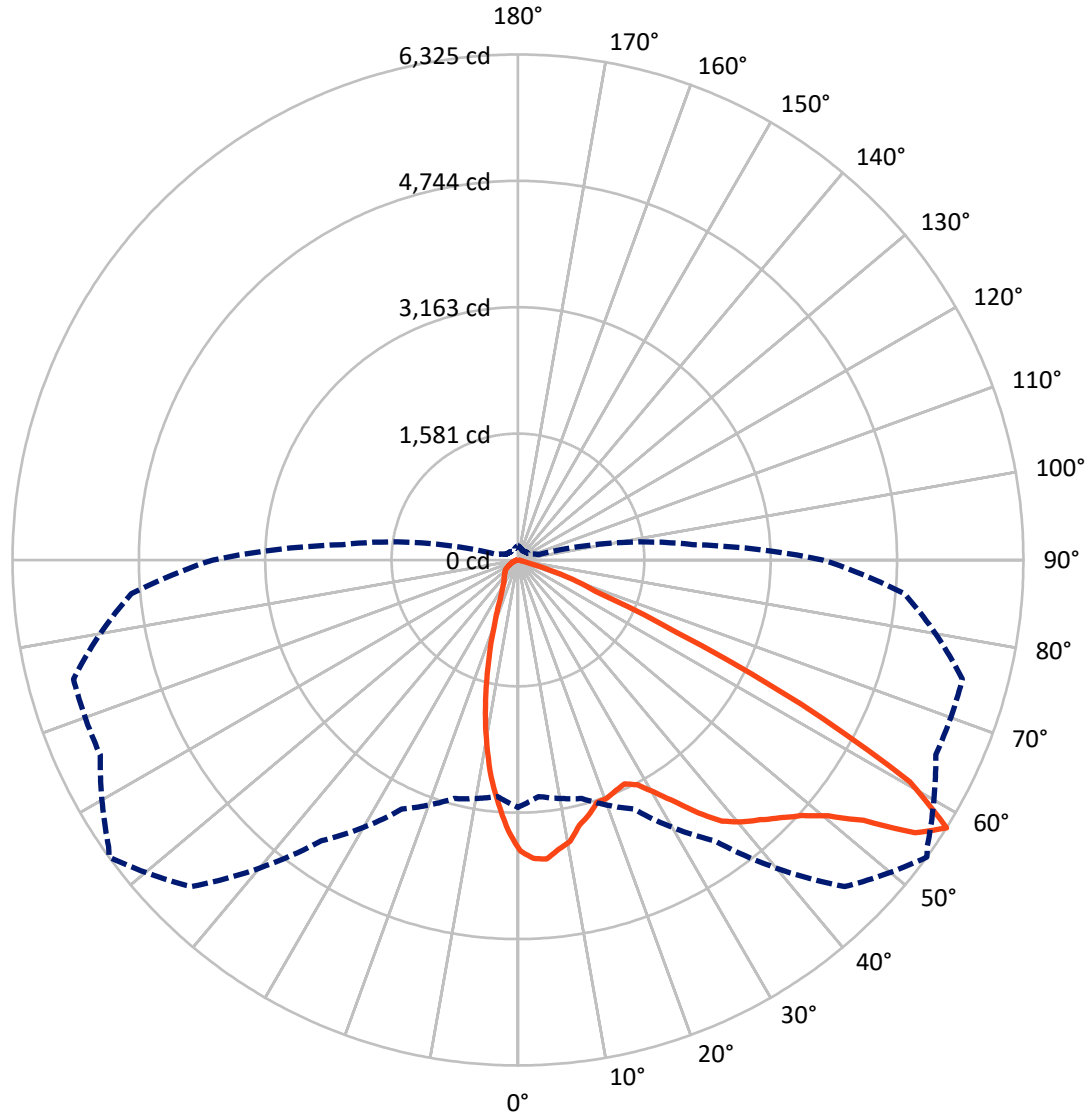
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 fc
 Type II - Short - N/A

REPORT NUMBER: P527557
CATALOG NUMBER: GALN-SA2C-750-U-SL3-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P527557
 CATALOG NUMBER: GALN-SA2C-750-U-SL3-GRSBK

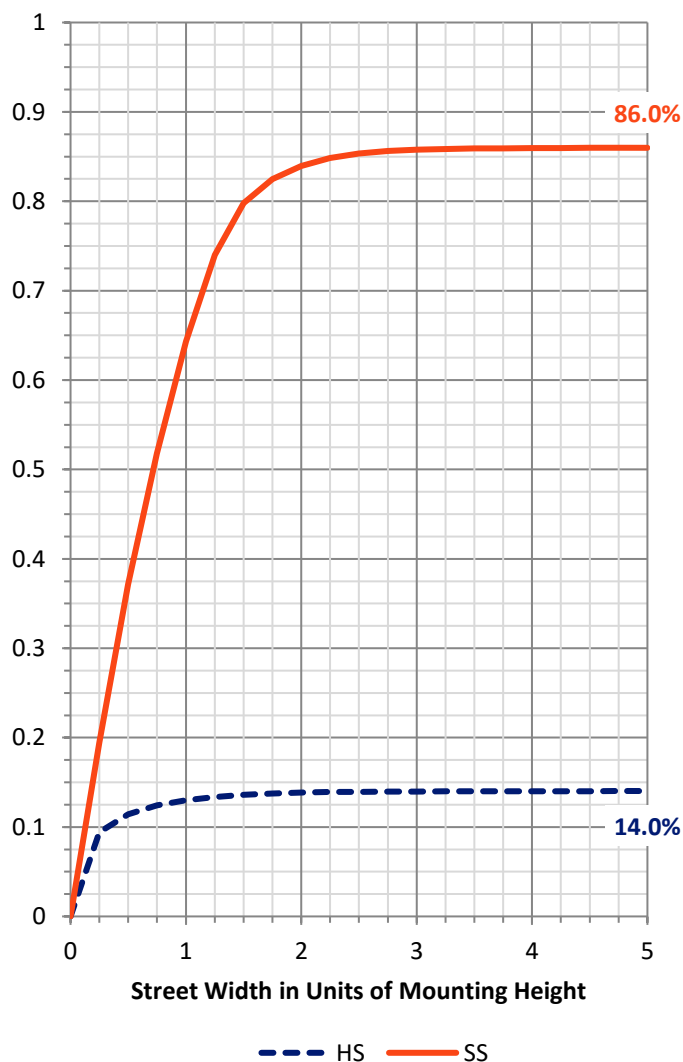
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1168.4	0.0	1168.4
	% Fixture	14.1	0.0	14.1
Street Side	Lumens	7099.6	0.0	7099.6
	% Fixture	85.9	0.0	85.9
Total	Lumens	8268.0	0.0	8268.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	304.8	3.7
10°-20°	650.7	7.9
20°-30°	862.3	10.4
30°-40°	1253.2	15.2
40°-50°	1858.3	22.5
50°-60°	2323.7	28.1
60°-70°	916.6	11.1
70°-80°	91.3	1.1
80°-90°	7.1	0.1
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°	8268.0	100.0
0°-180°	8268.0	100.0

Coefficient of Utilization

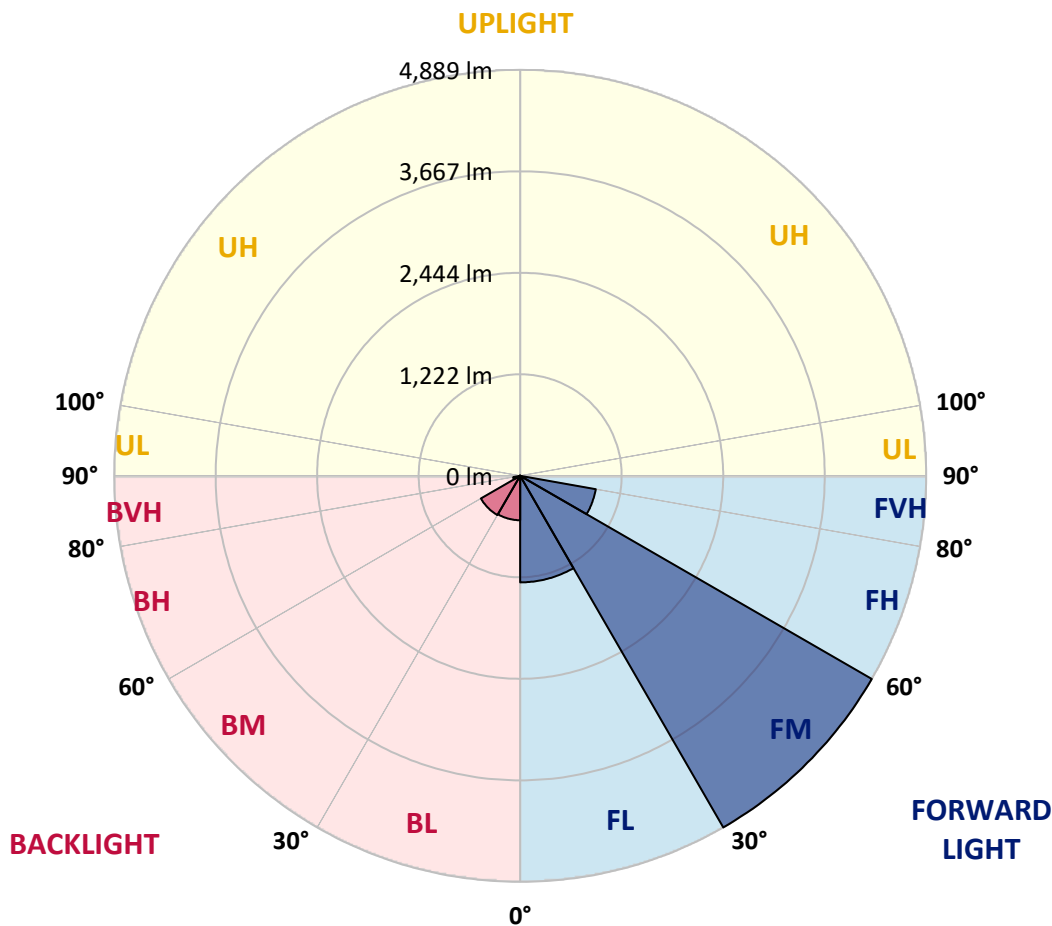


REPORT NUMBER: P527557
 CATALOG NUMBER: GALN-SA2C-750-U-SL3-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1283.4	15.5			
FM (30°-60°)	4888.8	59.1			
FH (60°-80°)	924.1	11.2			G1/1800
FVH (80°-90°)	3.2	0.0			G0/10
BL (0°-30°)	534.4	6.5	B2/1000		
BM (30°-60°)	546.4	6.6	B1/1000		
BH (60°-80°)	83.8	1.0	B0/110		G0/110
BVH (80°-90°)	3.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1
 Type II Short





REPORT NUMBER: P527557

CATALOG NUMBER: GALN-SA2C-750-U-SL3-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	3642.2	3642.2	3642.2	3642.2	3642.2	3642.2	3642.2	3642.2	3642.2	3642.2	3642.2
2.5°	3854.3	3814.4	3817.4	3803.6	3785.1	3799.0	3739.0	3752.9	3751.3	3669.8	3616.0
5°	3757.5	3800.5	3755.9	3792.8	3757.5	3795.9	3759.0	3731.3	3686.8	3626.8	3526.9
7.5°	3593.0	3551.5	3563.8	3609.9	3617.6	3703.7	3657.5	3692.9	3674.5	3556.1	3419.2
10°	3262.4	3253.2	3314.7	3376.2	3451.5	3543.8	3579.1	3559.1	3545.3	3500.7	3317.8
12.5°	3008.7	3034.9	3033.3	3134.8	3262.4	3314.7	3406.9	3403.9	3480.7	3397.7	3222.4
15°	2767.4	2781.2	2845.8	2908.8	3050.3	3199.4	3313.2	3328.5	3420.8	3362.4	3148.7
17.5°	2619.8	2599.8	2650.5	2725.9	2870.4	3065.6	3191.7	3228.6	3354.7	3342.4	3064.1
20°	2473.7	2473.7	2515.2	2604.4	2736.6	2956.5	3180.9	3170.2	3354.7	3319.3	2973.4
22.5°	2424.5	2449.1	2459.9	2527.5	2684.3	2873.5	3134.8	3154.8	3380.8	3308.5	2933.4
25°	2492.2	2459.9	2463.0	2516.8	2664.4	2833.5	3101.0	3145.6	3428.5	3362.4	2901.1
27.5°	2502.9	2535.2	2544.4	2581.3	2679.7	2845.8	3185.5	3276.3	3546.8	3488.4	2910.3
30°	2596.7	2629.0	2627.5	2690.5	2758.1	2945.7	3374.7	3393.1	3791.3	3646.8	2967.2
32.5°	2710.5	2744.3	2755.1	2828.9	2882.7	3128.7	3605.3	3652.9	4026.5	3895.8	3116.4
35°	2851.9	2839.6	2888.8	2962.6	3077.9	3396.2	3886.6	3966.6	4280.2	4218.7	3270.1
37.5°	3028.7	3013.4	3061.0	3180.9	3337.8	3712.9	4146.4	4198.7	4464.7	4518.5	3554.5
40°	3153.3	3159.4	3303.9	3465.4	3631.4	4014.2	4310.9	4361.7	4593.8	4798.3	3769.8
42.5°	3360.8	3399.3	3573.0	3769.8	3943.5	4240.2	4444.7	4493.9	4653.8	5022.8	4060.3
45°	3662.2	3645.2	3837.4	4057.3	4249.4	4475.5	4603.1	4586.1	4689.2	5245.7	4243.3
47.5°	4049.6	4052.7	4180.3	4367.8	4567.7	4679.9	4779.9	4719.9	4762.9	5480.9	4487.8
50°	4314.0	4337.1	4440.1	4632.3	4732.2	4904.4	5032.0	4995.1	4981.3	5622.4	4641.5
52.5°	4381.7	4450.9	4506.2	4746.0	4979.7	5251.9	5414.8	5493.2	5247.2	5670.0	4836.7
55°	3871.2	3932.7	4128.0	4457.0	5073.5	5802.3	6026.7	6028.3	5594.7	5882.2	4973.6
57.5°	3094.8	2970.3	3090.2	3439.2	4289.4	5779.2	6325.0	6252.7	5768.4	5757.7	4855.2
60°	2140.1	2109.4	2117.0	2255.4	2968.8	4596.9	5636.2	5730.0	5311.8	4990.5	3843.6
62.5°	1695.8	1669.6	1635.8	1620.4	1843.4	2864.2	3975.8	4108.0	3714.4	3236.3	2278.5
65°	1328.3	1313.0	1317.6	1379.1	1377.5	1625.1	2173.9	2120.1	1697.3	1254.5	716.4
67.5°	896.3	919.4	937.8	1123.9	1219.2	1131.5	1050.1	1019.3	551.9	232.2	158.4
70°	504.3	507.4	527.3	702.6	925.5	877.9	724.1	724.1	275.2	84.6	90.7
72.5°	275.2	266.0	247.5	302.9	412.0	418.2	322.9	281.3	81.5	55.3	50.7
75°	133.8	132.2	113.8	93.8	89.2	73.8	56.9	52.3	36.9	35.4	30.7
77.5°	27.7	26.1	13.8	13.8	15.4	16.9	21.5	21.5	26.1	26.1	21.5
80°	0.0	0.0	1.5	6.1	10.8	15.4	18.4	18.4	21.5	21.5	16.9
82.5°	0.0	0.0	1.5	4.6	9.2	13.8	16.9	18.4	21.5	23.1	18.4
85°	0.0	0.0	0.0	3.1	7.7	10.8	9.2	9.2	7.7	6.1	3.1
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



REPORT NUMBER: P527557

CATALOG NUMBER: GALN-SA2C-750-U-SL3-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3642.2	3642.2	3642.2	3642.2	3642.2	3642.2	3642.2	3642.2	3642.2	3642.2	3642.2
2.5°	3588.4	3585.3	3514.6	3474.6	3402.3	3339.3	3288.6	3251.7	3251.7	3228.6	3207.1
5°	3486.9	3460.7	3310.1	3213.2	3076.4	2974.9	2905.7	2851.9	2767.4	2790.4	2699.7
7.5°	3360.8	3294.7	3094.8	2947.2	2758.1	2613.6	2466.0	2335.4	2209.3	2152.4	2183.1
10°	3225.5	3110.2	2841.2	2607.5	2372.3	2107.8	1935.6	1726.5	1597.4	1589.7	1555.9
12.5°	3082.5	2951.9	2624.4	2301.5	1992.5	1674.3	1411.4	1216.1	1128.5	1031.6	1050.1
15°	2974.9	2781.2	2383.0	1994.0	1583.6	1262.2	997.8	847.1	764.1	741.0	733.4
17.5°	2858.1	2650.5	2137.0	1666.6	1242.2	908.6	718.0	645.7	613.4	613.4	608.8
20°	2736.6	2502.9	1892.6	1362.2	931.7	678.0	575.0	551.9	550.4	548.9	548.9
22.5°	2656.7	2333.8	1671.2	1082.3	702.6	542.7	499.7	490.4	496.6	515.0	515.0
25°	2572.1	2170.8	1426.7	834.8	544.2	465.8	441.2	447.4	462.8	479.7	473.5
27.5°	2486.0	2064.8	1196.1	654.9	445.9	407.4	398.2	412.0	428.9	444.3	439.7
30°	2466.0	1951.0	977.8	496.6	382.8	355.1	361.3	373.6	390.5	396.7	402.8
32.5°	2496.8	1861.8	801.0	407.4	333.6	325.9	325.9	332.1	342.8	356.7	352.1
35°	2584.4	1811.1	633.4	353.6	305.9	298.3	296.7	302.9	309.0	313.6	309.0
37.5°	2718.2	1771.1	518.1	313.6	287.5	275.2	272.1	270.6	276.7	278.3	281.3
40°	2888.8	1792.6	439.7	289.0	269.0	255.2	246.0	246.0	246.0	250.6	252.1
42.5°	3073.3	1821.9	379.7	275.2	252.1	235.2	226.0	222.9	226.0	232.2	230.6
45°	3267.0	1878.7	341.3	253.7	236.8	215.2	202.9	199.9	207.6	219.9	218.3
47.5°	3448.4	1960.2	312.1	239.8	221.4	201.4	186.0	183.0	196.8	213.7	215.2
50°	3629.9	2101.7	301.3	229.1	210.6	187.6	173.7	170.7	186.0	207.6	212.2
52.5°	3839.0	2253.9	293.6	215.2	198.3	176.8	161.4	158.4	175.3	202.9	204.5
55°	3975.8	2383.0	287.5	190.6	175.3	159.9	147.6	146.1	164.5	189.1	195.3
57.5°	3815.9	2203.1	266.0	166.0	149.1	141.4	130.7	130.7	146.1	169.1	173.7
60°	2893.4	1449.8	189.1	133.8	126.1	121.5	116.8	116.8	129.1	146.1	147.6
62.5°	1694.2	781.0	121.5	107.6	107.6	103.0	95.3	95.3	107.6	116.8	118.4
65°	502.7	250.6	98.4	92.2	90.7	83.0	75.3	73.8	83.0	87.6	86.1
67.5°	144.5	115.3	81.5	76.9	75.3	63.0	58.4	56.9	58.4	55.3	53.8
70°	86.1	78.4	63.0	64.6	56.9	46.1	41.5	40.0	36.9	32.3	29.2
72.5°	47.7	47.7	46.1	49.2	40.0	30.7	26.1	21.5	16.9	13.8	12.3
75°	29.2	30.7	32.3	33.8	26.1	20.0	16.9	10.8	6.1	3.1	3.1
77.5°	20.0	21.5	23.1	24.6	21.5	18.4	13.8	7.7	1.5	0.0	0.0
80°	15.4	16.9	20.0	21.5	23.1	24.6	18.4	7.7	1.5	0.0	0.0
82.5°	16.9	18.4	23.1	21.5	21.5	21.5	16.9	7.7	1.5	0.0	0.0
85°	3.1	4.6	7.7	7.7	10.8	13.8	10.8	3.1	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)