

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: P948795

Luminaire Tested: **GALN-SB3D-727-U-T3R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948795
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB3D-727-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23577 lumens
Efficiency: N/A
Efficacy: 108.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G4

Input Watts (W): 218.1
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



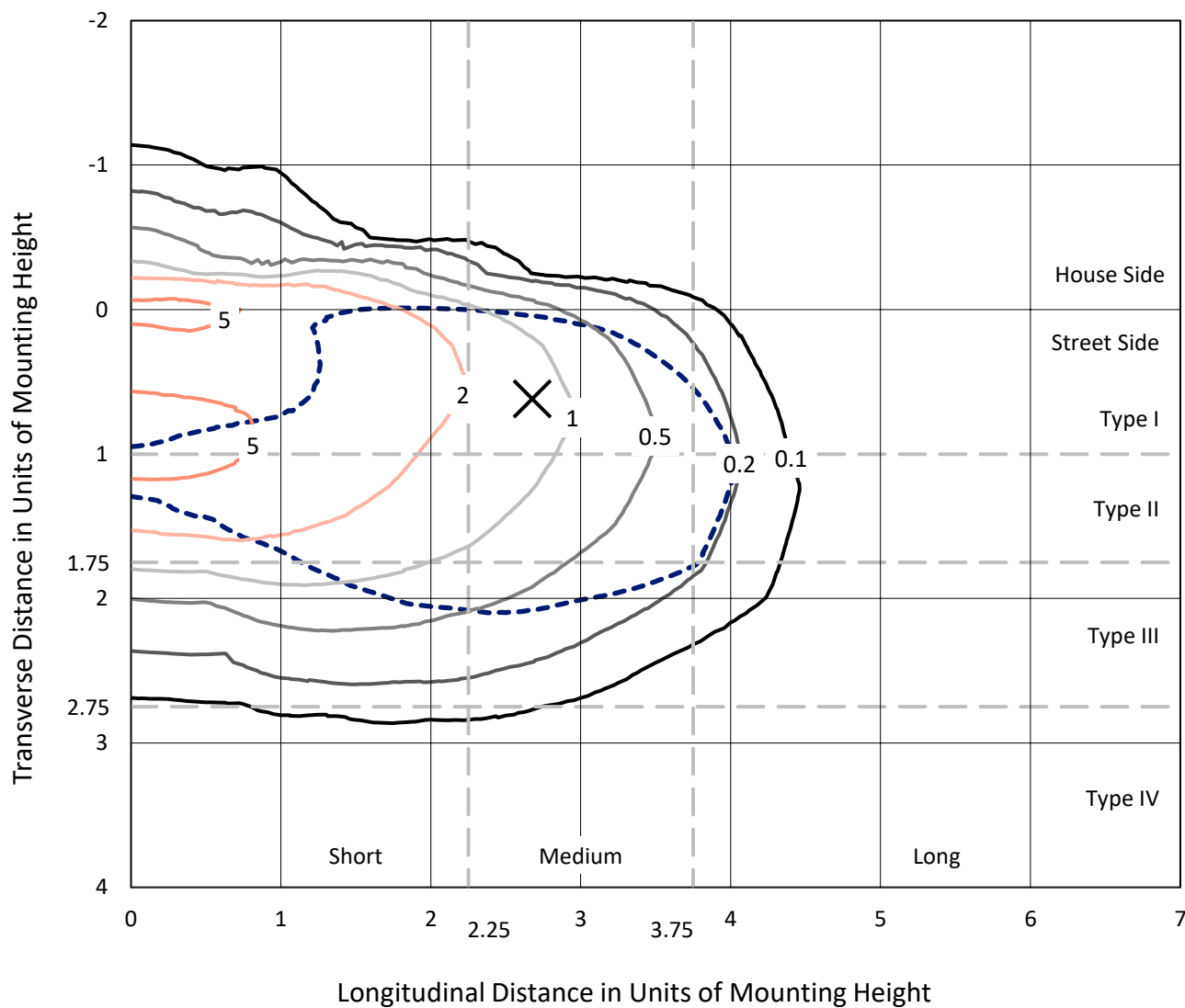
REPORT NUMBER: P948795

CATALOG NUMBER: GALN-SB3D-727-U-T3R-HSS

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

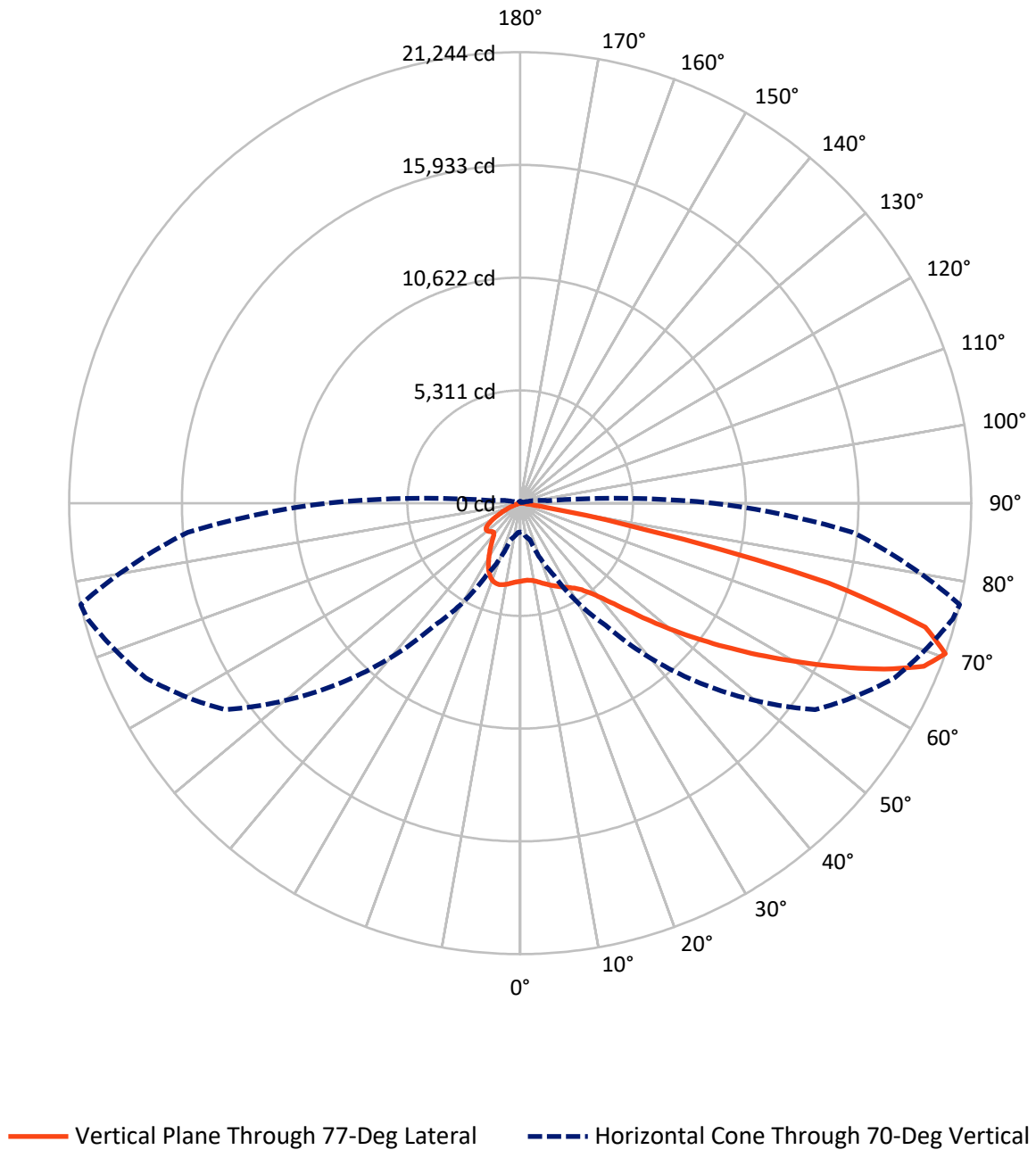
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 fc
Type III - Medium - N/A

REPORT NUMBER: P948795
CATALOG NUMBER: GALN-SB3D-727-U-T3R-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P948795

CATALOG NUMBER: GALN-SB3D-727-U-T3R-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2485.3	0.0	2485.3
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	21091.7	0.0	21091.7
	% Fixture	89.5	0.0	89.5
Total	Lumens	23577.0	0.0	23577.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	316.9	1.3
10°-20°	752.4	3.2
20°-30°	1163.8	4.9
30°-40°	2111.7	9.0
40°-50°	3986.1	16.9
50°-60°	5759.6	24.4
60°-70°	6130.9	26.0
70°-80°	3249.0	13.8
80°-90°	106.7	0.5
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°	23577.0	100.0
0°-180°	23577.0	100.0

Coefficient of Utilization



REPORT NUMBER: P948795

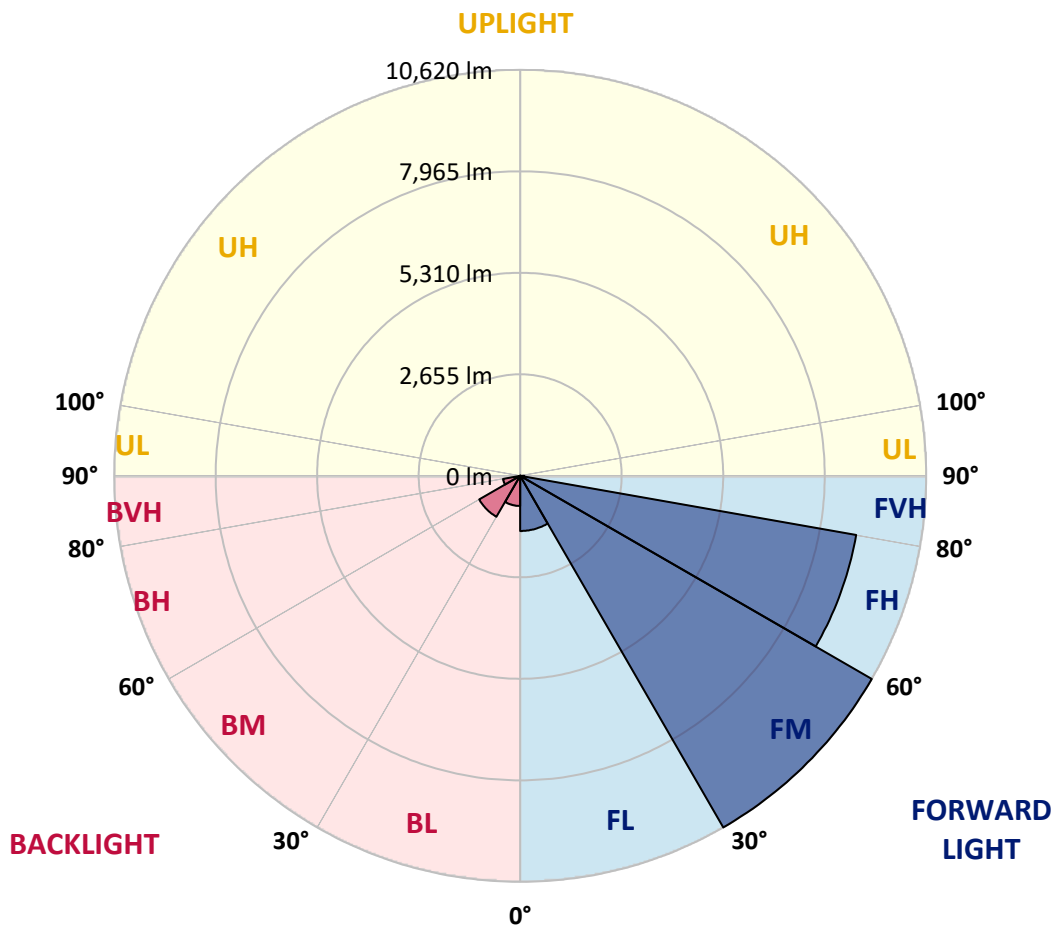
CATALOG NUMBER: GALN-SB3D-727-U-T3R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1443.5	6.1			
FM	(30°-60°)	10620.1	45.0			
FH	(60°-80°)	8924.2	37.9			G4/12000
FVH	(80°-90°)	103.8	0.4			G2/225
BL	(0°-30°)	789.6	3.3	B2/1000		
BM	(30°-60°)	1237.2	5.2	B2/2500		
BH	(60°-80°)	455.6	1.9	B1/500		G1/500
BVH	(80°-90°)	2.9	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-G4

Type III Medium



REPORT NUMBER: P948795

CATALOG NUMBER: GALN-SB3D-727-U-T3R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	3677.6	3677.6	3677.6	3677.6	3677.6	3677.6	3677.6	3677.6	3677.6	3677.6	3677.6
2.5°	3452.8	3484.0	3479.6	3500.4	3507.9	3537.6	3567.4	3607.6	3652.3	3650.8	3680.6
5°	3257.7	3289.0	3296.4	3324.7	3360.5	3406.6	3467.7	3548.1	3631.4	3644.8	3704.4
7.5°	3026.9	3059.7	3079.0	3135.6	3201.1	3296.4	3396.2	3513.8	3652.3	3671.6	3786.3
10°	2796.2	2825.9	2851.2	2931.6	3035.9	3177.3	3339.6	3509.3	3695.5	3723.7	3886.0
12.5°	2653.2	2681.5	2709.8	2779.8	2909.3	3082.0	3302.4	3530.2	3766.9	3807.1	4021.5
15°	2602.6	2627.9	2650.2	2712.8	2833.4	3029.9	3294.9	3573.4	3857.7	3911.3	4185.3
17.5°	2610.0	2623.4	2638.3	2686.0	2803.6	3006.1	3308.3	3647.8	3964.9	4012.6	4349.1
20°	2653.2	2660.7	2662.2	2694.9	2799.1	3003.1	3335.1	3719.3	4066.2	4130.2	4511.4
22.5°	2708.3	2711.3	2708.3	2730.6	2827.4	3025.4	3370.9	3805.6	4179.3	4238.9	4675.2
25°	2965.9	2909.3	2837.8	2794.7	2875.1	3068.6	3424.5	3921.8	4302.9	4361.0	4834.5
27.5°	3765.4	3603.1	3347.1	3059.7	2973.3	3131.2	3498.9	4039.4	4428.0	4480.1	5005.7
30°	5063.8	4850.8	4416.1	3768.4	3289.0	3262.2	3595.7	4157.0	4560.5	4617.1	5188.8
32.5°	6365.1	6312.9	5811.2	4914.9	3999.2	3554.0	3756.5	4316.3	4736.2	4780.9	5436.0
35°	7681.2	7575.5	7164.6	6278.7	5093.5	4148.1	4024.5	4524.8	4967.0	5017.6	5796.3
37.5°	8689.2	8625.2	8370.6	7641.0	6391.9	5065.2	4483.1	4847.9	5302.0	5358.6	6257.9
40°	9579.6	9549.8	9463.5	8982.5	7843.5	6265.3	5196.3	5348.1	5766.5	5833.5	6823.6
42.5°	10279.4	10349.4	10398.5	10264.5	9339.9	7635.1	6155.1	6050.9	6414.2	6482.7	7544.3
45°	10995.5	11019.4	11217.4	11410.9	10825.8	9067.4	7236.1	6874.3	7219.7	7304.5	8407.8
47.5°	11455.6	11550.9	11899.3	12240.3	12075.0	10487.8	8397.4	7846.5	8153.2	8312.5	9375.6
50°	11489.9	11670.0	12149.4	12743.5	12984.7	11839.7	9660.0	8954.3	9280.3	9456.0	10408.9
52.5°	10919.6	11199.5	11942.5	12812.0	13476.0	12984.7	10965.8	10062.0	10480.4	10709.7	11480.9
55°	8372.1	8738.4	11163.8	12439.8	13495.4	13852.7	12237.3	11215.9	11817.4	12076.5	12639.3
57.5°	7294.1	7478.8	8777.1	11793.6	13136.6	14202.6	13386.7	12314.7	13272.1	13593.7	13733.6
60°	6068.8	6311.5	7361.1	10736.5	12649.7	14236.9	14402.1	13732.1	14848.8	15210.6	14737.1
62.5°	4124.3	4387.8	5431.5	8920.0	11984.2	14220.5	15234.4	15191.3	16601.2	16989.9	15587.3
65°	2555.0	2720.2	3408.1	7283.7	11053.6	14238.4	16105.4	16963.1	18450.5	18845.0	16245.4
67.5°	2019.0	2094.9	2453.7	5592.3	9450.1	13836.4	16975.0	18629.1	20191.0	20503.7	16446.4
70°	1356.4	1402.5	1785.2	3749.1	7030.6	11981.2	16958.6	19465.9	21087.3	21243.6	15713.9
72.5°	714.7	750.4	1043.7	1736.1	4246.3	8516.5	14294.9	18465.4	20195.5	19960.2	13431.4
75°	357.3	416.9	702.8	881.4	1813.5	4749.6	8876.8	14558.5	15895.5	14984.3	8617.8
77.5°	271.0	327.6	580.7	580.7	631.3	1599.1	3759.5	7940.3	7323.9	6098.5	2529.6
80°	172.7	223.3	507.7	439.2	263.5	406.5	979.7	2224.4	1555.9	1183.7	460.1
82.5°	101.2	145.9	422.8	290.3	147.4	150.4	276.9	473.5	403.5	314.2	141.4
85°	40.2	95.3	290.3	114.6	58.1	37.2	83.4	101.2	83.4	62.5	35.7
87.5°	0.0	22.3	50.6	0.0	4.5	3.0	6.0	7.4	7.4	6.0	11.9
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: P948795

CATALOG NUMBER: GALN-SB3D-727-U-T3R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3677.6	3677.6	3677.6	3677.6	3677.6	3677.6	3677.6	3677.6	3677.6	3677.6	3677.6
2.5°	3694.0	3696.9	3705.9	3707.4	3686.5	3659.7	3649.3	3644.8	3627.0	3625.5	3628.5
5°	3738.6	3752.0	3738.6	3699.9	3607.6	3478.1	3379.8	3299.4	3226.4	3204.1	3190.7
7.5°	3828.0	3841.4	3801.2	3649.3	3417.0	3159.4	2927.2	2763.4	2616.0	2560.9	2538.6
10°	3956.0	3973.9	3847.3	3540.6	3129.7	2715.8	2322.7	2045.8	1829.9	1742.0	1704.8
12.5°	4116.8	4124.3	3872.6	3375.3	2756.0	2164.9	1608.0	1311.7	1119.7	1048.2	1025.9
15°	4294.0	4283.6	3875.6	3150.5	2246.8	1530.6	1049.7	862.1	784.7	760.8	760.8
17.5°	4480.1	4436.9	3816.1	2825.9	1688.4	1046.7	778.7	734.0	720.6	714.7	713.2
20°	4663.2	4566.5	3707.4	2401.6	1212.0	781.7	707.2	693.8	686.4	683.4	680.4
22.5°	4830.0	4664.7	3521.3	1908.8	879.9	690.9	668.5	656.6	643.2	637.2	635.8
25°	4992.3	4721.3	3259.2	1448.7	704.3	646.2	628.3	606.0	588.1	580.7	577.7
27.5°	5150.1	4757.0	2931.6	1072.0	628.3	604.5	571.7	540.5	527.1	524.1	521.1
30°	5318.4	4769.0	2559.4	799.5	582.2	552.4	504.7	469.0	461.6	463.0	463.0
32.5°	5523.8	4786.8	2184.2	655.1	543.4	489.8	433.3	396.0	390.1	396.0	394.6
35°	5769.5	4822.6	1822.4	603.0	509.2	425.8	364.8	333.5	327.6	332.0	330.5
37.5°	6103.0	4880.6	1484.4	592.6	480.9	372.2	306.7	281.4	281.4	282.9	281.4
40°	6546.7	5035.5	1182.2	585.1	466.0	332.0	259.1	248.6	253.1	256.1	256.1
42.5°	7087.2	5364.5	978.2	576.2	449.6	314.2	235.2	230.8	238.2	241.2	241.2
45°	7693.2	5781.4	906.7	561.3	434.8	326.1	224.8	218.9	227.8	229.3	230.8
47.5°	8320.0	6189.4	897.8	544.9	419.9	343.9	221.8	208.4	218.9	220.4	221.8
50°	8954.3	6455.9	906.7	519.6	396.0	343.9	223.3	198.0	207.0	211.4	212.9
52.5°	9593.0	6578.0	900.8	464.5	354.4	323.1	223.3	189.1	198.0	201.0	201.0
55°	10212.4	6554.1	810.0	382.6	300.8	285.9	217.4	181.6	187.6	189.1	189.1
57.5°	10702.2	6222.1	641.7	297.8	244.2	238.2	198.0	172.7	177.2	175.7	175.7
60°	10958.3	5492.6	458.6	229.3	192.1	187.6	174.2	160.8	163.8	156.3	154.8
62.5°	10961.3	4527.7	306.7	181.6	153.4	148.9	148.9	144.4	141.4	126.6	122.1
65°	10727.5	3457.2	204.0	144.4	123.6	116.1	125.1	123.6	113.2	92.3	89.3
67.5°	10197.5	2266.1	154.8	113.2	95.3	90.8	99.8	104.2	96.8	77.4	75.9
70°	9107.6	1319.2	128.0	87.8	71.5	67.0	80.4	89.3	80.4	62.5	59.6
72.5°	7565.1	711.7	104.2	65.5	49.1	44.7	64.0	73.0	64.0	46.2	44.7
75°	4908.9	381.2	80.4	43.2	25.3	28.3	47.6	53.6	44.7	29.8	26.8
77.5°	1648.2	168.2	50.6	20.8	11.9	11.9	28.3	32.8	20.8	10.4	8.9
80°	367.8	70.0	20.8	8.9	4.5	4.5	6.0	6.0	3.0	0.0	0.0
82.5°	120.6	28.3	8.9	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	46.2	10.4	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	17.9	1.5	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)