

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: P952720

Luminaire Tested: **GALN-SB6C-727-U-T2U-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952720
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6C-727-U-T2U-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32193 lumens
Efficiency: N/A
Efficacy: 107.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 300.9
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

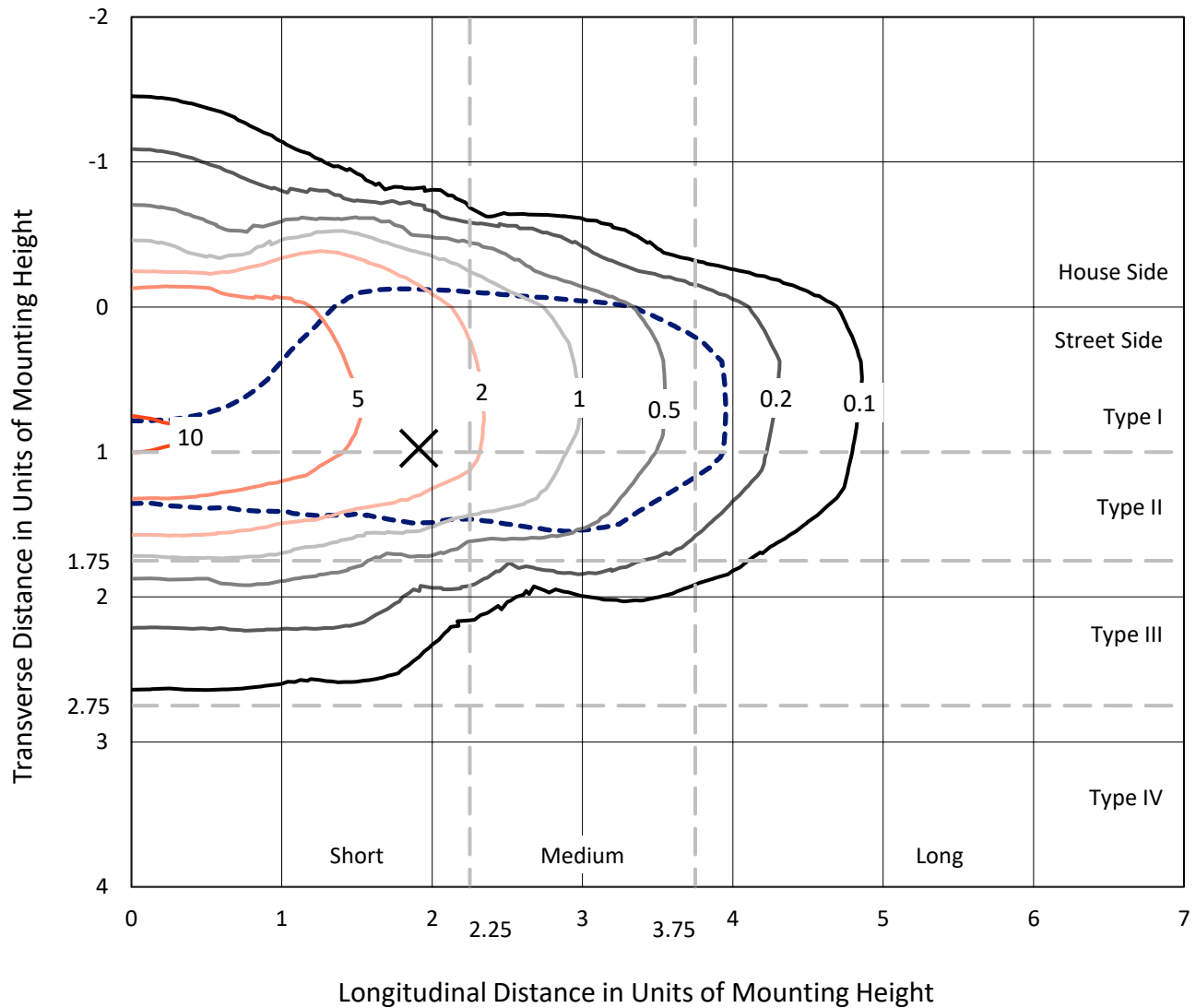


REPORT NUMBER: P952720

CATALOG NUMBER: GALN-SB6C-727-U-T2U-HSS

Iso-Footcandle Lines of Horizontal Illumination

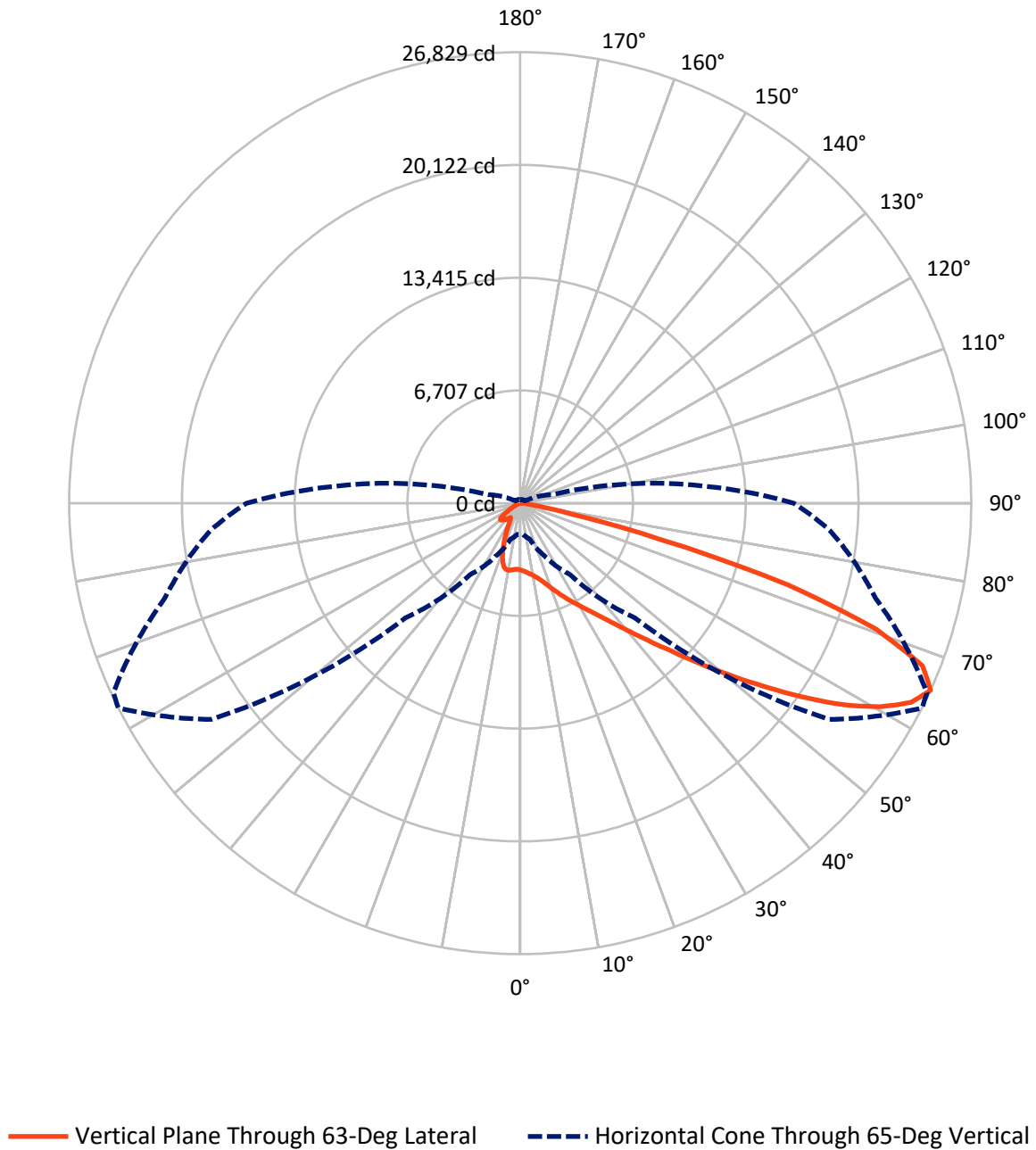
✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.9 fc
Type II - Short - N/A

REPORT NUMBER: P952720
CATALOG NUMBER: GALN-SB6C-727-U-T2U-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P952720

CATALOG NUMBER: GALN-SB6C-727-U-T2U-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4732.1	0.0	4732.1
	% Fixture	14.7	0.0	14.7
Street Side	Lumens	27460.9	0.0	27460.9
	% Fixture	85.3	0.0	85.3
Total	Lumens	32193.0	0.0	32193.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	374.4	1.2
10°-20°	1038.7	3.2
20°-30°	1808.6	5.6
30°-40°	3259.9	10.1
40°-50°	6465.3	20.1
50°-60°	8806.9	27.4
60°-70°	7029.6	21.8
70°-80°	3181.0	9.9
80°-90°	228.6	0.7
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°	32193.0	100.0
0°-180°	32193.0	100.0

Coefficient of Utilization



REPORT NUMBER: P952720

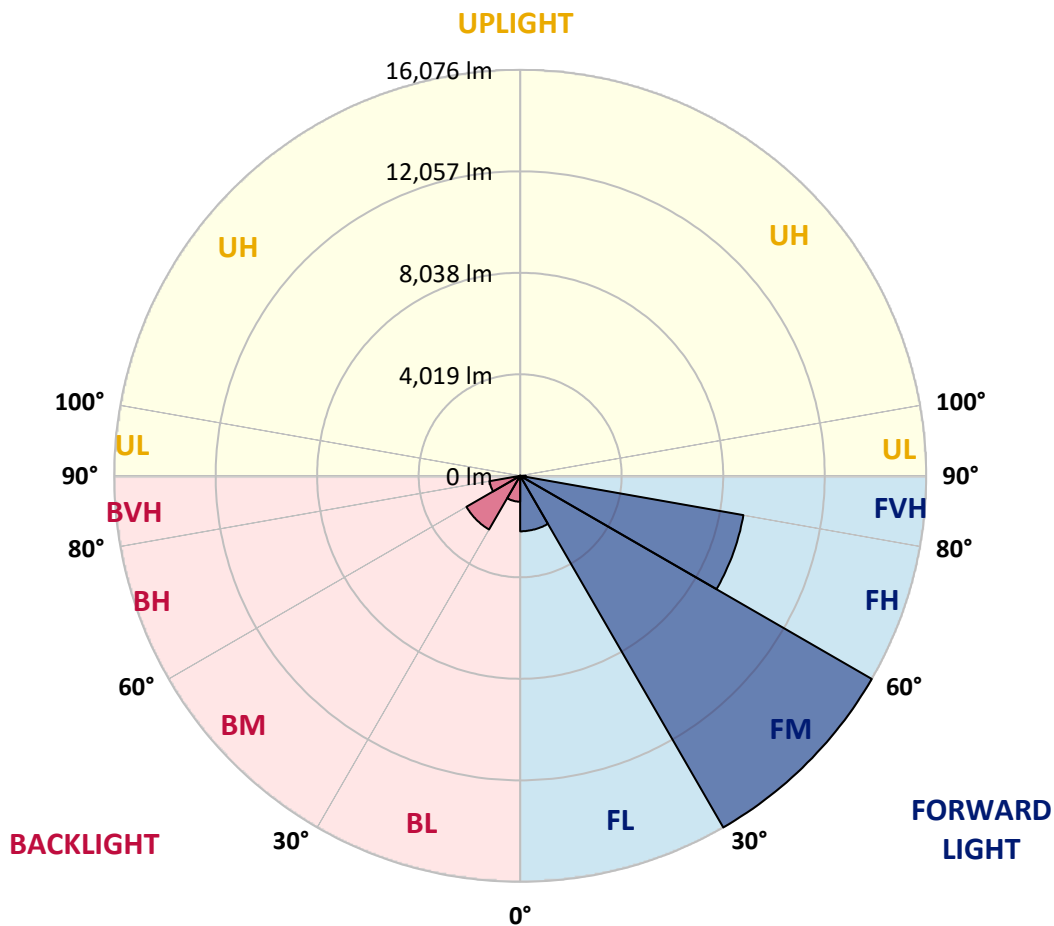
CATALOG NUMBER: GALN-SB6C-727-U-T2U-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2197.6	6.8			
FM	(30°-60°)	16076.4	49.9			
FH	(60°-80°)	8975.2	27.9			G4/12000
FVH	(80°-90°)	211.7	0.7			G2/225
BL	(0°-30°)	1024.1	3.2	B3/2500		
BM	(30°-60°)	2455.7	7.6	B2/2500		
BH	(60°-80°)	1235.4	3.8	B3/2500		G3/2500
BVH	(80°-90°)	17.0	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type II Short



REPORT NUMBER: P952720

CATALOG NUMBER: GALN-SB6C-727-U-T2U-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	3973.2	3973.2	3973.2	3973.2	3973.2	3973.2	3973.2	3973.2	3973.2	3973.2	3973.2
2.5°	4066.2	4055.2	4070.7	4064.0	4059.6	4050.7	4046.3	4041.9	4033.0	4026.4	3999.8
5°	4077.3	4070.7	4086.2	4099.5	4112.8	4126.0	4132.7	4141.5	4132.7	4115.0	4088.4
7.5°	3984.3	3979.9	4013.1	4053.0	4112.8	4163.7	4219.1	4250.1	4252.3	4245.6	4216.8
10°	3977.7	3966.6	3999.8	4048.5	4126.0	4216.8	4314.3	4380.7	4389.6	4418.4	4387.4
12.5°	4081.7	4070.7	4117.2	4170.3	4250.1	4345.3	4464.9	4557.9	4571.2	4611.1	4588.9
15°	4256.7	4241.2	4294.4	4363.0	4464.9	4573.4	4699.7	4783.8	4794.9	4843.6	4803.7
17.5°	4460.5	4445.0	4507.0	4580.1	4690.8	4839.2	4985.4	5078.4	5091.7	5122.7	5049.6
20°	4721.8	4701.9	4750.6	4817.0	4934.4	5111.6	5286.6	5419.4	5417.2	5417.2	5297.6
22.5°	5025.2	4994.2	5036.3	5089.4	5200.2	5415.0	5647.6	5804.8	5804.8	5742.8	5545.7
25°	5350.8	5319.8	5366.3	5415.0	5512.5	5756.1	6028.5	6223.4	6232.2	6125.9	5811.4
27.5°	5758.3	5718.4	5753.9	5811.4	5869.0	6117.1	6440.4	6666.3	6670.8	6506.9	6063.9
30°	6542.3	6429.4	6318.6	6256.6	6283.2	6529.0	6874.5	7124.8	7146.9	6921.0	6338.6
32.5°	7977.5	7955.3	7565.5	7056.1	6790.4	6972.0	7359.5	7660.7	7674.0	7383.9	6695.1
35°	10207.7	10181.1	9554.3	8584.3	7718.3	7565.5	7948.7	8305.2	8296.4	7968.6	7158.0
37.5°	12869.8	12845.4	12019.3	10721.5	9319.6	8462.5	8708.3	9082.6	9138.0	8708.3	7756.0
40°	15144.3	15053.5	14530.8	13279.5	11445.7	9950.8	9789.1	10037.2	10094.7	9585.3	8515.6
42.5°	16867.4	16789.9	16524.1	15742.3	14019.2	12152.2	11062.6	11157.8	11222.0	10610.8	9388.2
45°	17759.9	17742.2	17848.5	17775.4	16641.5	14854.2	12883.1	12486.6	12511.0	11746.9	10378.2
47.5°	17886.2	17877.3	18362.3	19048.9	18896.1	17901.7	15219.6	14143.3	14056.9	13029.3	11454.6
50°	17142.0	17124.3	18054.5	19341.2	20402.1	20461.9	17872.9	16010.3	15819.8	14355.9	12577.4
52.5°	14765.6	14761.2	16289.3	18431.0	20931.4	22703.2	20495.1	18061.1	17742.2	15760.0	13764.5
55°	11361.6	11443.5	13195.4	15726.8	19965.8	23781.8	22849.4	20337.9	19848.4	17173.0	14858.6
57.5°	8048.3	8167.9	9899.8	12154.4	16971.5	23143.9	24441.8	22619.0	22091.9	18581.6	15968.2
60°	4323.2	4429.5	6163.6	8854.5	12626.2	20765.3	25281.1	24599.0	24100.7	19919.3	16969.3
62.5°	2575.7	2611.2	3328.7	5716.2	8540.0	15864.1	24924.6	26107.2	25697.5	21042.1	17839.6
65°	1849.3	1855.9	2216.9	3490.4	5184.7	9638.5	22424.1	26829.2	26703.0	21888.2	18484.1
67.5°	1557.0	1552.5	1703.1	2318.8	3532.5	4828.1	17186.3	25808.2	26344.2	22424.1	18849.6
70°	1335.5	1342.1	1519.3	1698.7	2655.5	2733.0	8544.4	22470.6	23613.4	22565.9	18827.4
72.5°	994.4	1016.6	1180.5	1548.1	2004.3	1880.3	2950.0	16661.4	18727.8	21261.4	17850.7
75°	702.1	713.1	830.5	1302.3	1494.9	1368.7	1506.0	8613.1	11261.9	16300.4	14610.6
77.5°	540.4	560.3	629.0	910.3	1472.8	961.2	921.3	2981.0	4580.1	9846.7	10017.2
80°	292.3	327.8	454.0	657.8	1034.3	679.9	456.2	1187.1	1552.5	4604.4	3862.5
82.5°	150.6	168.3	316.7	474.0	589.1	593.5	225.9	493.9	640.1	1421.9	529.3
85°	59.8	73.1	212.6	261.3	303.4	292.3	101.9	199.3	230.3	394.2	161.7
87.5°	13.3	22.1	77.5	59.8	57.6	62.0	24.4	46.5	44.3	46.5	28.8
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: P952720

CATALOG NUMBER: GALN-SB6C-727-U-T2U-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3973.2	3973.2	3973.2	3973.2	3973.2	3973.2	3973.2	3973.2	3973.2	3973.2	3973.2
2.5°	3997.6	3988.7	3964.4	3937.8	3906.8	3889.1	3878.0	3875.8	3860.3	3849.2	3860.3
5°	4064.0	4055.2	4008.7	3953.3	3893.5	3847.0	3802.7	3762.8	3705.2	3694.2	3689.7
7.5°	4196.9	4172.6	4097.2	4021.9	3909.0	3773.9	3610.0	3421.8	3253.4	3202.5	3178.1
10°	4360.8	4327.6	4232.3	4099.5	3849.2	3481.6	3085.1	2717.5	2425.1	2343.2	2312.2
12.5°	4546.8	4518.0	4391.8	4146.0	3598.9	2932.3	2325.5	1869.2	1585.7	1514.9	1494.9
15°	4768.3	4726.2	4551.3	4075.1	3151.6	2228.0	1596.8	1326.6	1224.7	1211.5	1198.2
17.5°	5003.1	4934.4	4693.0	3820.4	2549.2	1583.5	1233.6	1156.1	1111.8	1098.5	1091.9
20°	5217.9	5129.3	4777.2	3435.0	1904.7	1233.6	1105.1	1054.2	1014.3	998.8	990.0
22.5°	5432.7	5306.5	4777.2	2910.2	1428.5	1094.1	1014.3	967.8	921.3	901.4	890.3
25°	5656.4	5488.1	4693.0	2325.5	1149.4	1003.3	928.0	877.0	837.2	812.8	803.9
27.5°	5873.5	5640.9	4500.3	1771.8	1023.2	923.5	848.2	799.5	761.9	744.1	744.1
30°	6079.4	5791.5	4230.1	1344.3	941.3	846.0	775.2	733.1	695.4	677.7	679.9
32.5°	6358.5	5982.0	3942.2	1102.9	870.4	772.9	708.7	668.8	635.6	622.3	622.3
35°	6746.1	6263.3	3694.2	1083.0	810.6	713.1	648.9	611.3	578.0	567.0	567.0
37.5°	7295.3	6717.3	3563.5	1215.9	761.9	660.0	600.2	560.3	529.3	520.5	518.2
40°	7973.0	7333.0	3634.4	1348.8	728.6	613.5	555.9	516.0	489.5	478.4	476.2
42.5°	8777.0	8092.6	4026.4	1450.6	706.5	573.6	513.8	469.5	451.8	447.4	447.4
45°	9700.5	8927.6	4626.6	1559.2	671.1	536.0	471.7	438.5	425.2	423.0	420.8
47.5°	10750.3	9844.5	5322.0	1694.3	635.6	500.5	438.5	416.4	405.3	400.9	400.9
50°	11791.2	10768.0	6037.4	1769.6	606.8	467.3	411.9	394.2	385.4	383.1	383.1
52.5°	12880.9	11718.1	6615.4	1698.7	582.5	440.7	389.8	376.5	367.6	365.4	365.4
55°	13919.6	12486.6	6715.1	1441.8	533.7	414.2	365.4	358.8	347.7	347.7	345.5
57.5°	14814.3	12872.0	6010.8	1058.6	485.0	374.3	341.1	334.4	325.6	323.4	321.1
60°	15636.0	12761.3	4639.9	713.1	431.9	334.4	310.1	305.6	296.8	285.7	283.5
62.5°	16098.9	12274.0	3173.7	465.1	378.7	292.3	274.6	272.4	252.5	230.3	225.9
65°	16273.8	11273.0	1980.0	338.9	316.7	250.3	237.0	232.5	203.8	179.4	177.2
67.5°	16121.0	9625.2	998.8	268.0	250.3	208.2	194.9	194.9	175.0	152.8	150.6
70°	15509.7	7215.6	420.8	214.8	192.7	159.5	159.5	168.3	148.4	124.0	121.8
72.5°	14183.1	4854.7	223.7	163.9	144.0	113.0	130.7	137.3	117.4	93.0	93.0
75°	11275.2	2961.1	155.0	121.8	90.8	79.7	99.7	104.1	79.7	62.0	59.8
77.5°	7711.7	1700.9	104.1	77.5	57.6	46.5	68.7	64.2	42.1	28.8	31.0
80°	3386.3	708.7	59.8	35.4	22.1	17.7	24.4	17.7	13.3	8.9	8.9
82.5°	396.4	166.1	22.1	13.3	8.9	4.4	2.2	0.0	0.0	0.0	0.0
85°	81.9	19.9	11.1	4.4	2.2	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	15.5	4.4	2.2	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)