

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: P953768

Luminaire Tested: **GALN-SB7B-722-U-T2R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953768
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB7B-722-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28010 lumens
Efficiency: N/A
Efficacy: 109.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G4

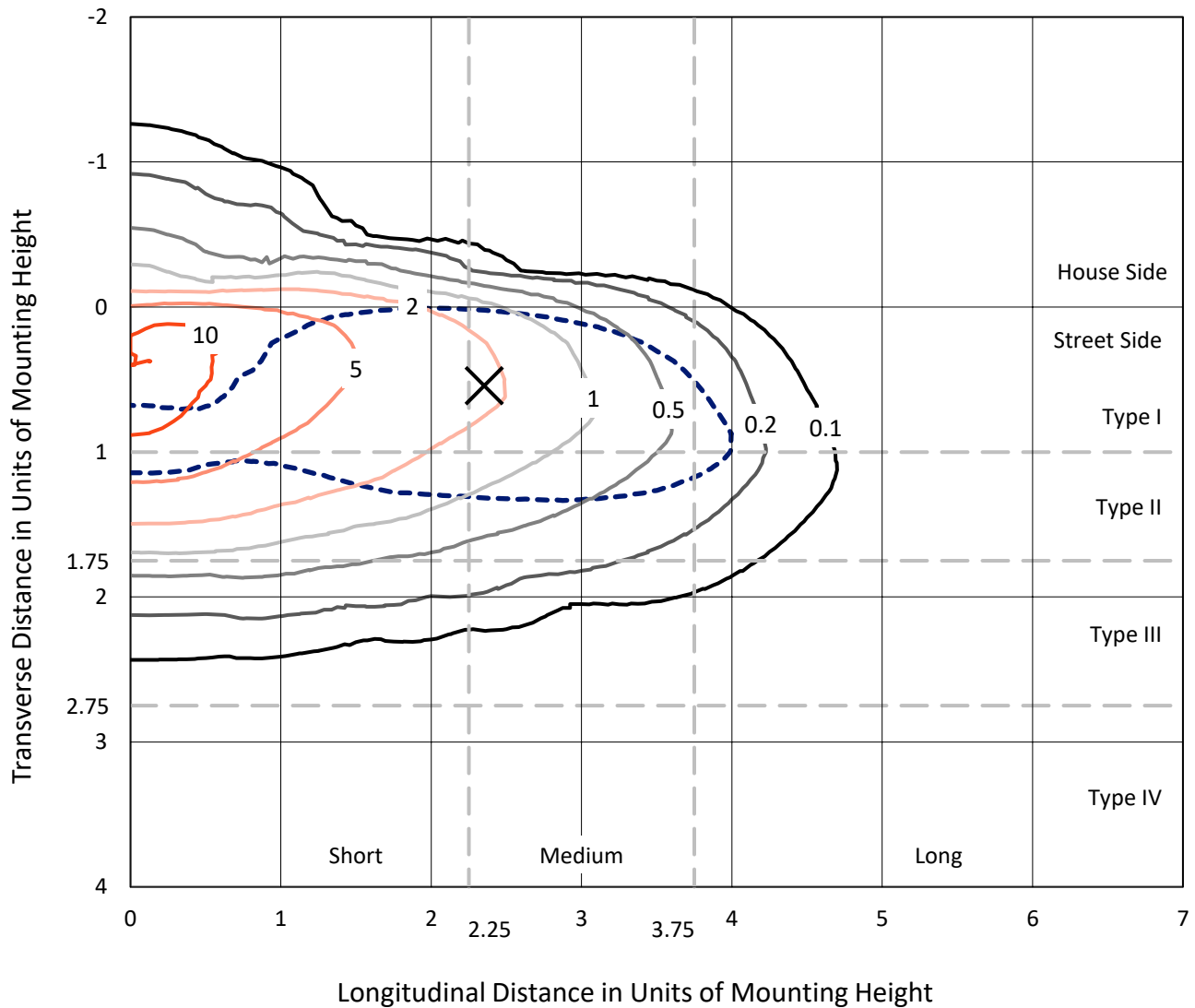
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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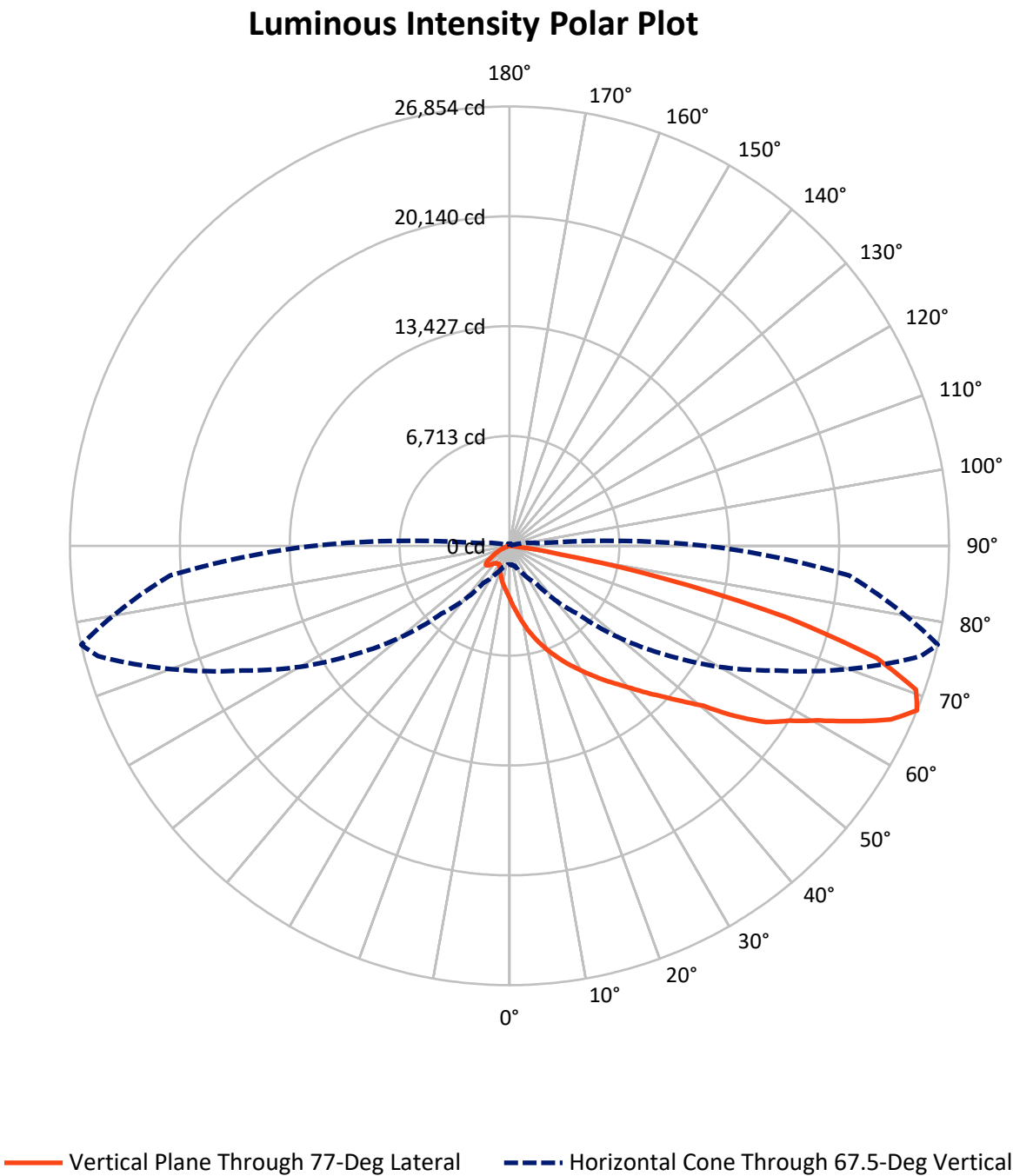
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.1 fc
 Type II - Medium - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2060.7	0.0	2060.7
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	25949.3	0.0	25949.3
	% Fixture	92.6	0.0	92.6
Total	Lumens	28010.0	0.0	28010.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	329.7	1.2
10°-20°	1154.5	4.1
20°-30°	2227.8	8.0
30°-40°	3867.6	13.8
40°-50°	5615.5	20.0
50°-60°	6448.7	23.0
60°-70°	5598.7	20.0
70°-80°	2637.1	9.4
80°-90°	130.4	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°	28010.0	100.0
0°-180°	28010.0	100.0

Coefficient of Utilization



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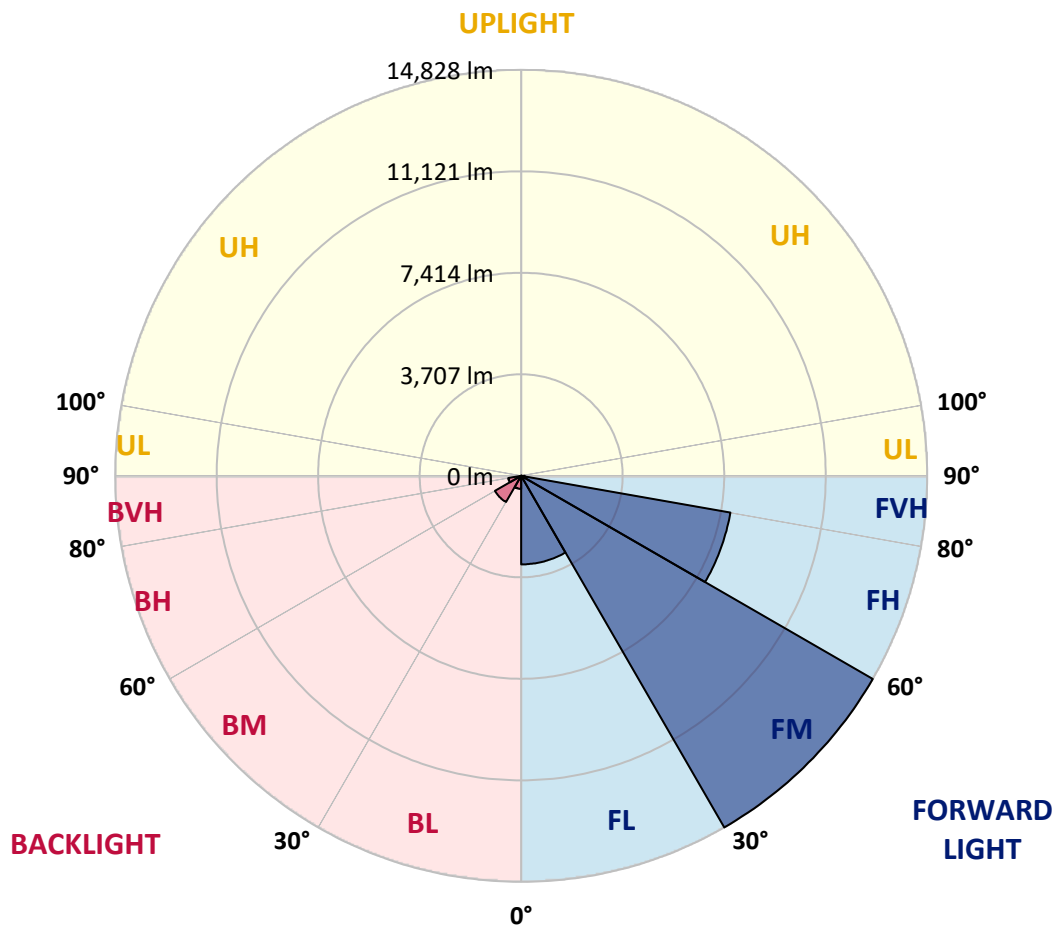
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3234.9	11.5			
FM	(30°-60°)	14827.7	52.9			
FH	(60°-80°)	7758.7	27.7			G4/12000
FVH	(80°-90°)	128.0	0.5			G2/225
BL	(0°-30°)	477.1	1.7	B1/500		
BM	(30°-60°)	1104.2	3.9	B2/2500		
BH	(60°-80°)	477.1	1.7	B1/500		G1/500
BVH	(80°-90°)	2.4	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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	3230.0	3230.0	3230.0	3230.0	3230.0	3230.0	3230.0	3230.0	3230.0	3230.0	3230.0
2.5°	4471.9	4499.7	4459.7	4383.2	4268.4	4193.6	4010.9	3838.7	3647.4	3586.5	3395.2
5°	5451.1	5475.5	5430.2	5346.7	5193.7	5047.6	4807.6	4447.5	4073.5	3953.5	3614.4
7.5°	6176.4	6190.3	6172.9	6096.4	5950.3	5785.1	5517.2	5091.1	4536.2	4404.0	3884.0
10°	6698.2	6743.4	6738.2	6708.7	6611.3	6477.3	6192.1	5706.8	5054.5	4884.1	4188.3
12.5°	7044.3	7094.8	7124.4	7190.5	7185.2	7100.0	6849.5	6336.4	5571.1	5371.1	4531.0
15°	7145.2	7199.2	7312.2	7465.3	7600.9	7644.4	7468.7	6953.9	6139.9	5884.2	4882.3
17.5°	7087.8	7171.3	7307.0	7548.8	7846.2	8042.7	8023.6	7550.5	6656.5	6364.3	5226.7
20°	7214.8	7294.8	7400.9	7604.4	7950.5	8307.1	8449.7	8121.0	7169.6	6863.5	5588.5
22.5°	7917.5	7903.6	7914.0	7947.1	8154.1	8507.1	8801.1	8639.3	7677.5	7364.4	5971.2
25°	9030.7	8968.1	8862.0	8682.8	8630.6	8801.1	9107.2	9098.5	8213.2	7877.5	6362.5
27.5°	10307.4	10296.9	10048.2	9616.8	9373.3	9307.2	9453.3	9545.5	8743.7	8385.4	6755.6
30°	11530.1	11558.0	11222.3	10742.2	10295.2	10036.0	9903.8	9969.9	9282.9	8933.3	7160.9
32.5°	12594.6	12624.2	12258.9	11697.1	11144.0	10830.9	10552.6	10389.1	9870.8	9489.9	7606.2
35°	13493.8	13523.4	13104.2	12483.3	11893.6	11610.1	11295.3	10848.3	10462.2	10107.3	8101.9
37.5°	14297.4	14288.7	13726.9	13100.8	12521.5	12297.2	12131.9	11413.6	11070.9	10728.3	8651.5
40°	14772.3	14808.8	14328.7	13638.2	13076.4	12912.9	12902.5	12114.5	11773.6	11441.4	9253.3
42.5°	14911.4	14975.8	14627.9	14060.9	13551.2	13373.8	13646.9	12872.9	12591.1	12267.6	9933.4
45°	14660.9	14723.6	14565.3	14172.2	13874.8	13760.0	14287.0	13659.1	13464.3	13144.2	10700.5
47.5°	13930.4	14008.7	14047.0	13963.5	13960.0	14076.5	14861.0	14487.0	14500.9	14173.9	11589.3
50°	12516.3	12648.5	12999.9	13295.6	13753.0	14327.0	15419.3	15384.5	15669.8	15388.0	12747.7
52.5°	9945.6	10133.4	11344.0	12152.8	13180.8	14280.0	16033.3	16824.7	17720.5	17308.2	14380.9
55°	7992.3	7992.3	8976.8	10490.0	12064.1	13970.4	16301.1	17760.5	19117.1	19019.7	15530.6
57.5°	6515.6	6593.9	7221.8	8559.3	10448.2	13232.9	16466.4	18348.4	20242.5	20171.2	16654.2
60°	4021.4	4190.1	5376.3	6696.5	8609.8	11919.7	16362.0	18943.2	21607.9	21665.3	18007.4
62.5°	2264.6	2327.2	2856.0	4818.0	6694.7	10154.3	15563.7	19275.4	23354.2	23597.7	19402.4
65°	1563.7	1595.0	1798.5	2998.6	4640.6	8084.5	14003.5	19068.4	25104.0	25596.2	20585.2
67.5°	1135.8	1151.4	1278.4	1831.5	2753.4	5861.6	11558.0	18024.8	26031.0	26853.8	20811.3
70°	873.2	883.6	975.8	1203.6	1626.3	3617.8	8394.1	15949.8	25359.7	26342.4	19652.9
72.5°	709.7	720.1	791.4	890.5	1078.4	2139.4	5087.6	12952.9	22395.8	23456.8	16730.8
75°	598.3	612.2	676.6	741.0	845.3	1374.1	2386.4	9020.2	16842.1	17537.8	11634.5
77.5°	332.2	306.1	549.6	614.0	713.1	869.7	1116.7	5308.5	9432.5	9625.5	5162.4
80°	207.0	213.9	436.6	494.0	547.9	438.3	511.4	2043.7	3270.0	3106.5	1000.1
82.5°	12.2	27.8	335.7	356.6	375.7	187.8	193.1	694.0	787.9	723.6	177.4
85°	0.0	0.0	153.1	123.5	130.5	53.9	55.7	161.8	106.1	114.8	34.8
87.5°	0.0	0.0	0.0	3.5	0.0	5.2	10.4	13.9	5.2	7.0	12.2
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°	3230.0	3230.0	3230.0	3230.0	3230.0	3230.0	3230.0	3230.0	3230.0	3230.0	3230.0
2.5°	3273.4	3151.7	2904.7	2662.9	2466.4	2283.8	2153.3	2029.8	1967.2	1963.7	1960.2
5°	3372.6	3116.9	2622.9	2186.4	1835.0	1553.2	1370.6	1240.2	1174.1	1151.4	1148.0
7.5°	3511.7	3127.3	2375.9	1768.9	1355.0	1113.2	1008.8	967.1	953.2	937.5	934.0
10°	3687.4	3151.7	2155.0	1424.5	1068.0	946.2	904.5	887.1	876.6	866.2	862.7
12.5°	3884.0	3174.3	1935.9	1182.8	939.2	876.6	847.1	826.2	812.3	800.1	796.6
15°	4075.3	3188.2	1708.0	1014.0	873.2	822.7	791.4	768.8	749.7	735.7	734.0
17.5°	4264.9	3207.4	1494.1	913.2	819.2	768.8	737.5	709.7	694.0	678.3	676.6
20°	4475.3	3203.9	1292.3	841.8	765.3	714.9	681.8	655.7	640.1	622.7	620.9
22.5°	4670.1	3186.5	1114.9	781.0	709.7	661.0	624.4	598.3	582.7	568.8	567.0
25°	4894.5	3172.6	967.1	725.3	657.5	608.8	568.8	544.4	527.0	514.8	513.1
27.5°	5110.2	3151.7	859.2	674.9	607.0	560.1	521.8	494.0	478.3	469.6	469.6
30°	5322.4	3146.5	819.2	626.2	561.8	514.8	476.6	450.5	438.3	434.8	433.1
32.5°	5578.1	3160.4	836.6	608.8	520.1	473.1	436.6	417.4	405.3	405.3	405.3
35°	5851.2	3156.9	862.7	624.4	492.2	431.4	403.5	391.4	379.2	379.2	379.2
37.5°	6193.8	3162.1	883.6	650.5	481.8	396.6	380.9	365.3	358.3	358.3	358.3
40°	6705.2	3334.3	873.2	673.1	478.3	372.2	340.9	335.7	330.5	330.5	330.5
42.5°	7331.3	3708.3	887.1	674.9	476.6	354.8	313.1	323.5	311.3	309.6	307.9
45°	8016.6	4117.0	975.8	638.3	474.8	346.1	299.2	311.3	292.2	292.2	292.2
47.5°	8696.7	4522.3	1066.2	586.2	469.6	344.4	287.0	280.0	274.8	276.6	276.6
50°	9634.2	4852.8	1101.0	514.8	457.4	340.9	264.4	266.1	262.6	266.1	266.1
52.5°	10655.2	4922.3	1059.3	434.8	422.7	330.5	248.7	255.7	253.9	257.4	257.4
55°	11291.8	4847.6	874.9	361.8	368.7	288.7	233.1	247.0	247.0	247.0	247.0
57.5°	11949.3	4529.3	620.9	293.9	306.1	236.6	219.2	238.3	236.6	234.8	234.8
60°	12422.4	4014.4	408.7	241.8	243.5	194.8	203.5	224.4	222.6	213.9	213.9
62.5°	12775.5	3445.6	262.6	205.2	186.1	175.7	186.1	203.5	196.5	177.4	173.9
65°	12735.5	2657.7	201.8	175.7	153.1	153.1	161.8	177.4	156.5	125.2	121.8
67.5°	11992.8	1798.5	167.0	147.8	128.7	127.0	133.9	147.8	133.9	106.1	102.6
70°	10665.7	1175.8	133.9	114.8	102.6	93.9	107.8	127.0	113.1	85.2	81.7
72.5°	8656.7	716.6	100.9	83.5	74.8	60.9	85.2	104.4	90.4	62.6	59.1
75°	5600.7	365.3	69.6	53.9	40.0	36.5	62.6	78.3	62.6	38.3	33.0
77.5°	2142.9	153.1	38.3	24.4	20.9	17.4	34.8	47.0	26.1	8.7	7.0
80°	412.2	64.4	19.1	12.2	10.4	7.0	5.2	3.5	0.0	0.0	0.0
82.5°	71.3	20.9	7.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	24.4	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	8.7	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)