

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: P950555

Luminaire Tested: **GALN-SB5A-722-U-T2R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P950555
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-SB5A-722-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 350mA 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: 15849 lumens
Efficiency: N/A
Efficacy: 111.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 141.7
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

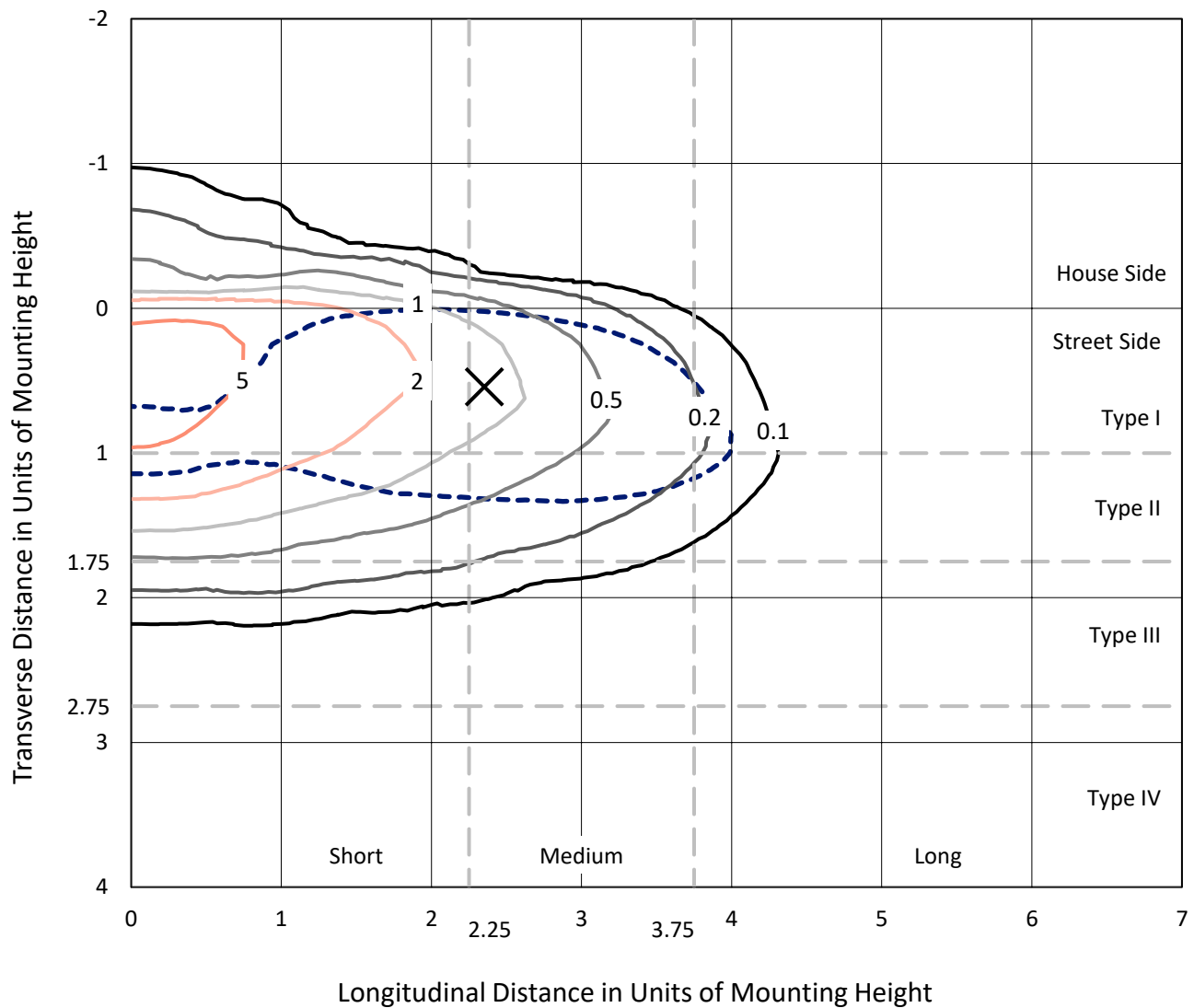


REPORT NUMBER: P950555

CATALOG NUMBER: GALN-SB5A-722-U-T2R-HSS

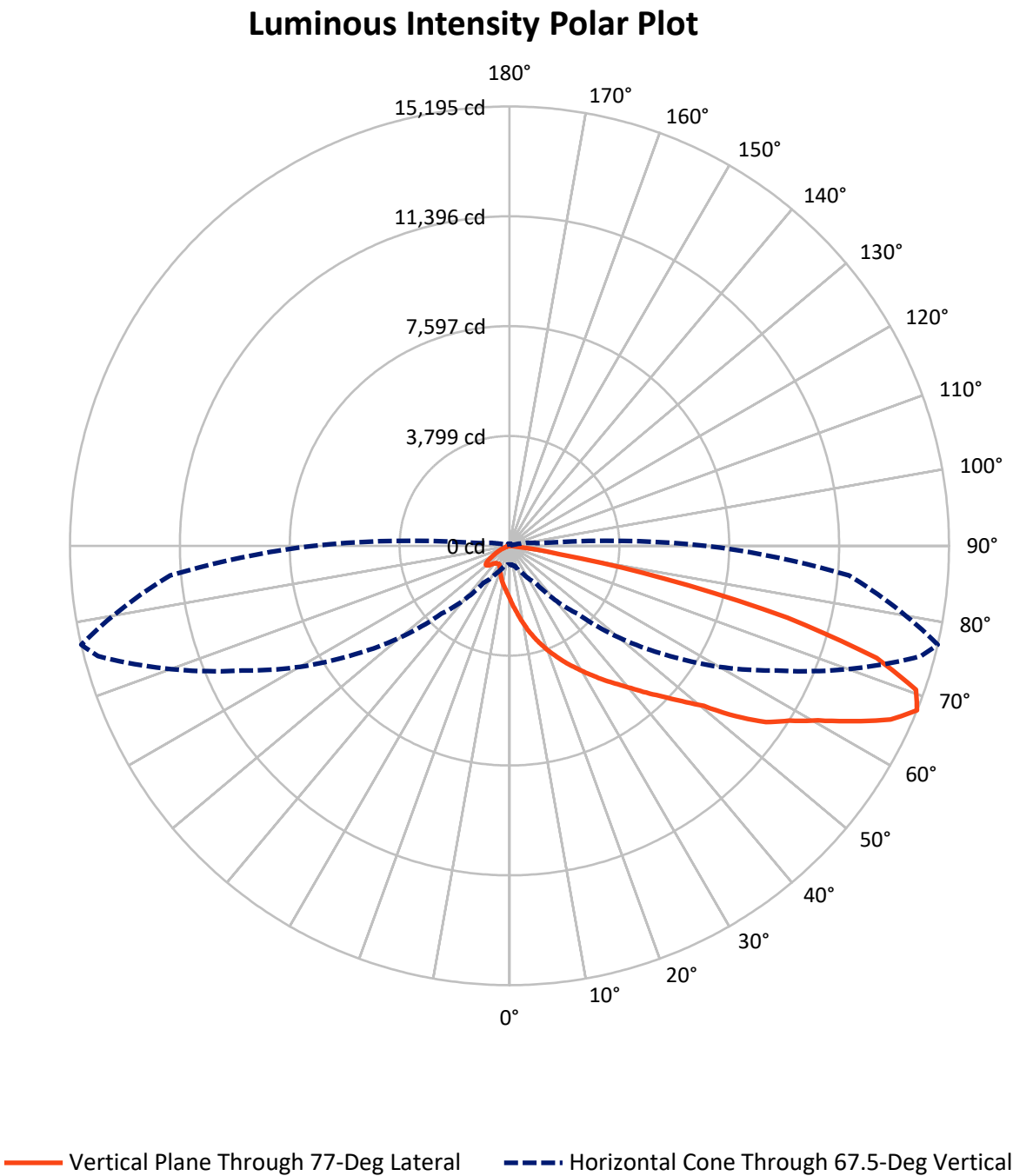
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 fc
Type II - Medium - N/A

REPORT NUMBER: P950555
CATALOG NUMBER: GALN-SB5A-722-U-T2R-HSS



REPORT NUMBER: P950555

CATALOG NUMBER: GALN-SB5A-722-U-T2R-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1166.0	0.0	1166.0
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	14683.0	0.0	14683.0
	% Fixture	92.6	0.0	92.6
Total	Lumens	15849.0	0.0	15849.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.5	1.2
10°-20°	653.2	4.1
20°-30°	1260.6	8.0
30°-40°	2188.4	13.8
40°-50°	3177.5	20.0
50°-60°	3648.9	23.0
60°-70°	3167.9	20.0
70°-80°	1492.1	9.4
80°-90°	73.8	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°	15849.0	100.0
0°-180°	15849.0	100.0

Coefficient of Utilization



REPORT NUMBER: P950555

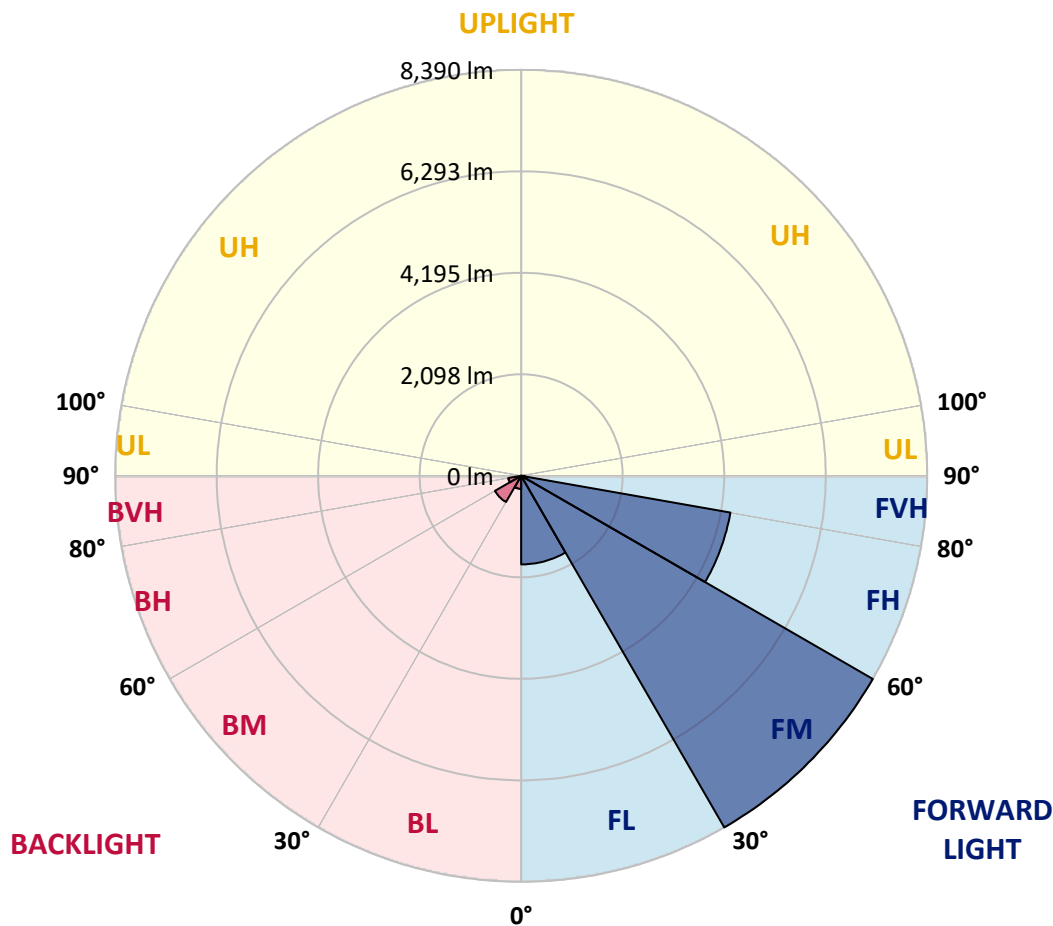
CATALOG NUMBER: GALN-SB5A-722-U-T2R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1830.4	11.5			
FM	(30°-60°)	8390.0	52.9			
FH	(60°-80°)	4390.1	27.7			G2/5000
FVH	(80°-90°)	72.4	0.5			G1/100
BL	(0°-30°)	269.9	1.7	B1/500		
BM	(30°-60°)	624.8	3.9	B1/1000		
BH	(60°-80°)	269.9	1.7	B1/500		G1/500
BVH	(80°-90°)	1.4	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Medium



REPORT NUMBER: P950555

CATALOG NUMBER: GALN-SB5A-722-U-T2R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	1827.6	1827.6	1827.6	1827.6	1827.6	1827.6	1827.6	1827.6	1827.6	1827.6	1827.6
2.5°	2530.3	2546.1	2523.4	2480.1	2415.2	2372.9	2269.5	2172.1	2063.8	2029.4	1921.1
5°	3084.4	3098.2	3072.6	3025.4	2938.8	2856.1	2720.3	2516.5	2305.0	2237.0	2045.1
7.5°	3494.8	3502.7	3492.9	3449.6	3366.9	3273.4	3121.8	2880.7	2566.7	2491.9	2197.7
10°	3790.1	3815.7	3812.7	3796.0	3740.9	3665.1	3503.7	3229.1	2860.0	2763.6	2369.9
12.5°	3985.9	4014.5	4031.2	4068.6	4065.6	4017.4	3875.7	3585.4	3152.3	3039.1	2563.8
15°	4043.0	4073.5	4137.5	4224.1	4300.9	4325.5	4226.1	3934.8	3474.2	3329.5	2762.6
17.5°	4010.5	4057.8	4134.5	4271.3	4439.6	4550.8	4540.0	4272.3	3766.5	3601.1	2957.5
20°	4082.4	4127.7	4187.7	4302.8	4498.7	4700.4	4781.1	4595.1	4056.8	3883.6	3162.2
22.5°	4480.0	4472.1	4478.0	4496.7	4613.8	4813.6	4980.0	4888.4	4344.2	4167.0	3378.7
25°	5109.9	5074.4	5014.4	4913.0	4883.5	4980.0	5153.2	5148.2	4647.3	4457.4	3600.1
27.5°	5832.3	5826.3	5685.6	5441.5	5303.7	5266.3	5349.0	5401.2	4947.5	4744.7	3822.6
30°	6524.1	6539.9	6349.9	6078.3	5825.4	5678.7	5603.9	5641.3	5252.6	5054.7	4051.9
32.5°	7126.4	7143.2	6936.5	6618.6	6305.6	6128.5	5971.0	5878.5	5585.2	5369.7	4303.8
35°	7635.3	7652.0	7414.8	7063.5	6729.8	6569.4	6391.3	6138.3	5919.8	5719.1	4584.3
37.5°	8090.0	8085.0	7767.2	7412.8	7085.1	6958.2	6864.7	6458.2	6264.3	6070.4	4895.3
40°	8358.6	8379.3	8107.7	7717.0	7399.1	7306.6	7300.6	6854.8	6661.9	6473.9	5235.8
42.5°	8437.4	8473.8	8277.0	7956.1	7667.7	7567.4	7721.9	7283.9	7124.5	6941.4	5620.7
45°	8295.7	8331.1	8241.5	8019.1	7850.8	7785.8	8084.1	7728.8	7618.5	7437.4	6054.7
47.5°	7882.3	7926.6	7948.2	7901.0	7899.0	7965.0	8408.8	8197.2	8205.1	8020.1	6557.6
50°	7082.2	7157.0	7355.8	7523.1	7781.9	8106.7	8724.8	8705.1	8866.5	8707.0	7213.1
52.5°	5627.5	5733.8	6418.8	6876.5	7458.1	8080.1	9072.2	9520.0	10026.8	9793.6	8137.2
55°	4522.3	4522.3	5079.4	5935.6	6826.3	7904.9	9223.7	10049.5	10817.1	10762.0	8787.7
57.5°	3686.7	3731.0	4086.3	4843.2	5912.0	7487.6	9317.2	10382.1	11453.9	11413.5	9423.5
60°	2275.4	2370.9	3042.1	3789.1	4871.7	6744.6	9258.2	10718.7	12226.5	12258.9	10189.2
62.5°	1281.4	1316.8	1616.0	2726.2	3788.1	5745.6	8806.4	10906.7	13214.6	13352.4	10978.5
65°	884.8	902.5	1017.6	1696.7	2625.8	4574.5	7923.6	10789.6	14204.7	14483.2	11647.8
67.5°	642.7	651.5	723.4	1036.3	1558.0	3316.7	6539.9	10199.1	14729.2	15194.8	11775.7
70°	494.1	500.0	552.1	681.1	920.2	2047.1	4749.7	9024.9	14349.3	14905.4	11120.3
72.5°	401.5	407.5	447.8	503.9	610.2	1210.5	2878.7	7329.2	12672.3	13272.7	9466.8
75°	338.6	346.4	382.8	419.3	478.3	777.5	1350.3	5104.0	9529.8	9923.5	6583.2
77.5°	188.0	173.2	311.0	347.4	403.5	492.1	631.8	3003.7	5337.2	5446.5	2921.0
80°	117.1	121.1	247.0	279.5	310.0	248.0	289.3	1156.4	1850.3	1757.7	565.9
82.5°	6.9	15.7	189.9	201.8	212.6	106.3	109.2	392.7	445.8	409.4	100.4
85°	0.0	0.0	86.6	69.9	73.8	30.5	31.5	91.5	60.0	65.0	19.7
87.5°	0.0	0.0	0.0	2.0	0.0	3.0	5.9	7.9	3.0	3.9	6.9
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: P950555

CATALOG NUMBER: GALN-SB5A-722-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1827.6	1827.6	1827.6	1827.6	1827.6	1827.6	1827.6	1827.6	1827.6	1827.6	1827.6
2.5°	1852.2	1783.3	1643.6	1506.8	1395.6	1292.2	1218.4	1148.5	1113.1	1111.1	1109.2
5°	1908.3	1763.7	1484.1	1237.1	1038.3	878.9	775.5	701.7	664.3	651.5	649.6
7.5°	1987.1	1769.6	1344.4	1000.9	766.7	629.9	570.8	547.2	539.3	530.5	528.5
10°	2086.5	1783.3	1219.4	806.0	604.3	535.4	511.8	501.9	496.0	490.1	488.2
12.5°	2197.7	1796.1	1095.4	669.2	531.5	496.0	479.3	467.5	459.6	452.7	450.8
15°	2305.9	1804.0	966.5	573.8	494.1	465.5	447.8	435.0	424.2	416.3	415.3
17.5°	2413.2	1814.8	845.4	516.7	463.5	435.0	417.3	401.5	392.7	383.8	382.8
20°	2532.3	1812.9	731.2	476.3	433.0	404.5	385.8	371.0	362.2	352.3	351.4
22.5°	2642.5	1803.0	630.9	441.9	401.5	374.0	353.3	338.6	329.7	321.8	320.8
25°	2769.5	1795.1	547.2	410.4	372.0	344.5	321.8	308.0	298.2	291.3	290.3
27.5°	2891.5	1783.3	486.2	381.9	343.5	316.9	295.3	279.5	270.6	265.7	265.7
30°	3011.6	1780.4	463.5	354.3	317.9	291.3	269.7	254.9	248.0	246.0	245.1
32.5°	3156.3	1788.3	473.4	344.5	294.3	267.7	247.0	236.2	229.3	229.3	229.3
35°	3310.8	1786.3	488.2	353.3	278.5	244.1	228.3	221.4	214.6	214.6	214.6
37.5°	3504.7	1789.2	500.0	368.1	272.6	224.4	215.5	206.7	202.7	202.7	202.7
40°	3794.0	1886.7	494.1	380.9	270.6	210.6	192.9	189.9	187.0	187.0	187.0
42.5°	4148.3	2098.3	501.9	381.9	269.7	200.8	177.2	183.1	176.2	175.2	174.2
45°	4536.1	2329.6	552.1	361.2	268.7	195.9	169.3	176.2	165.3	165.3	165.3
47.5°	4920.9	2558.9	603.3	331.7	265.7	194.9	162.4	158.5	155.5	156.5	156.5
50°	5451.4	2745.9	623.0	291.3	258.8	192.9	149.6	150.6	148.6	150.6	150.6
52.5°	6029.1	2785.2	599.4	246.0	239.2	187.0	140.7	144.7	143.7	145.7	145.7
55°	6389.3	2742.9	495.0	204.7	208.6	163.4	131.9	139.8	139.8	139.8	139.8
57.5°	6761.3	2562.8	351.4	166.3	173.2	133.8	124.0	134.8	133.8	132.9	132.9
60°	7029.0	2271.5	231.3	136.8	137.8	110.2	115.1	127.0	126.0	121.1	121.1
62.5°	7228.8	1949.7	148.6	116.1	105.3	99.4	105.3	115.1	111.2	100.4	98.4
65°	7206.2	1503.8	114.2	99.4	86.6	86.6	91.5	100.4	88.6	70.9	68.9
67.5°	6785.9	1017.6	94.5	83.7	72.8	71.8	75.8	83.7	75.8	60.0	58.1
70°	6035.0	665.3	75.8	65.0	58.1	53.1	61.0	71.8	64.0	48.2	46.3
72.5°	4898.3	405.5	57.1	47.2	42.3	34.4	48.2	59.1	51.2	35.4	33.5
75°	3169.1	206.7	39.4	30.5	22.6	20.7	35.4	44.3	35.4	21.7	18.7
77.5°	1212.5	86.6	21.7	13.8	11.8	9.8	19.7	26.6	14.8	4.9	3.9
80°	233.3	36.4	10.8	6.9	5.9	3.9	3.0	2.0	0.0	0.0	0.0
82.5°	40.4	11.8	3.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	13.8	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.9	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)