

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: P948045

Luminaire Tested: **GALN-SB3B-722-U-AFL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948045
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3B-722-U-AFL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE
FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11900 lumens
Efficiency: N/A
Efficacy: 109.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 109.2
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



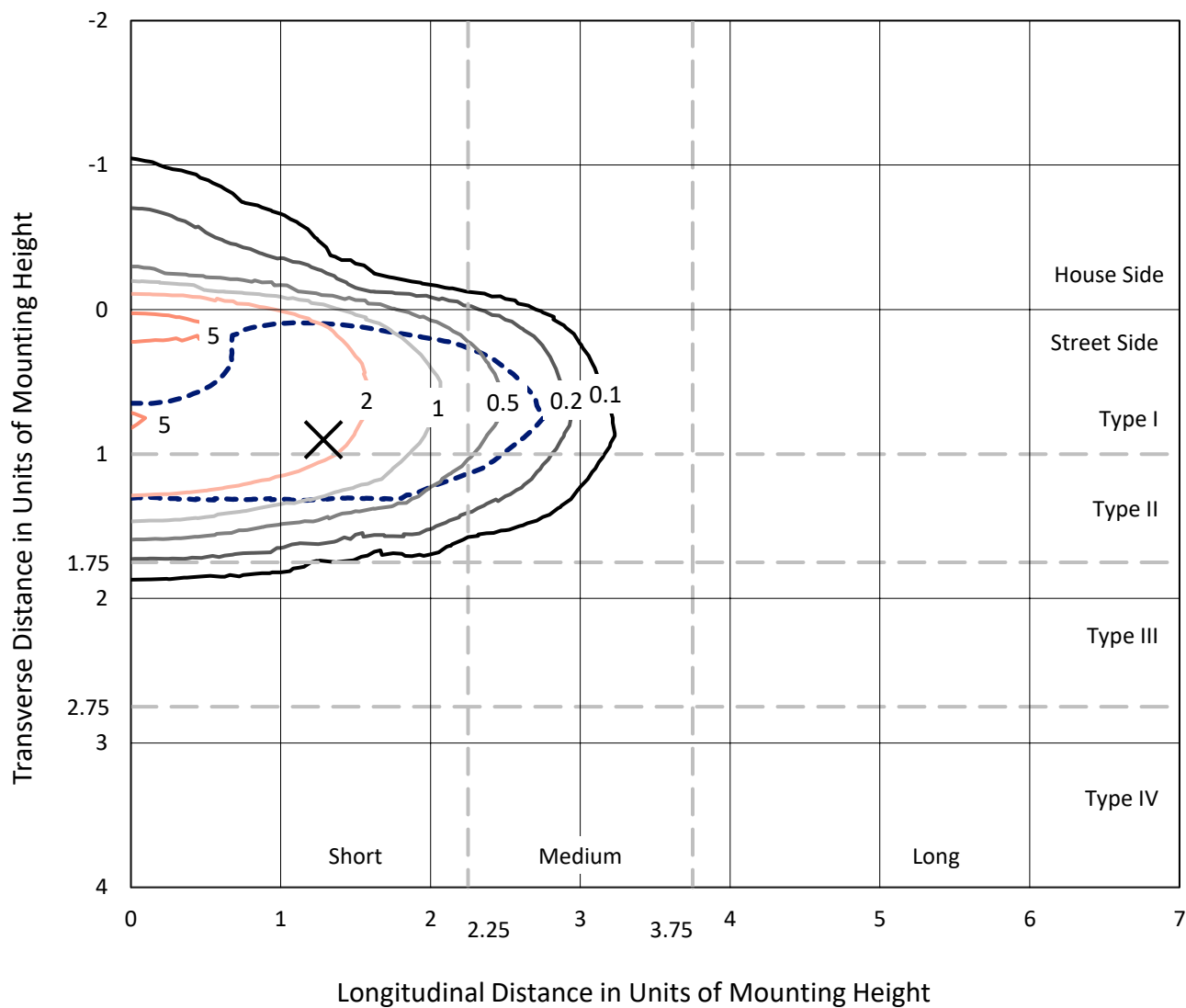
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

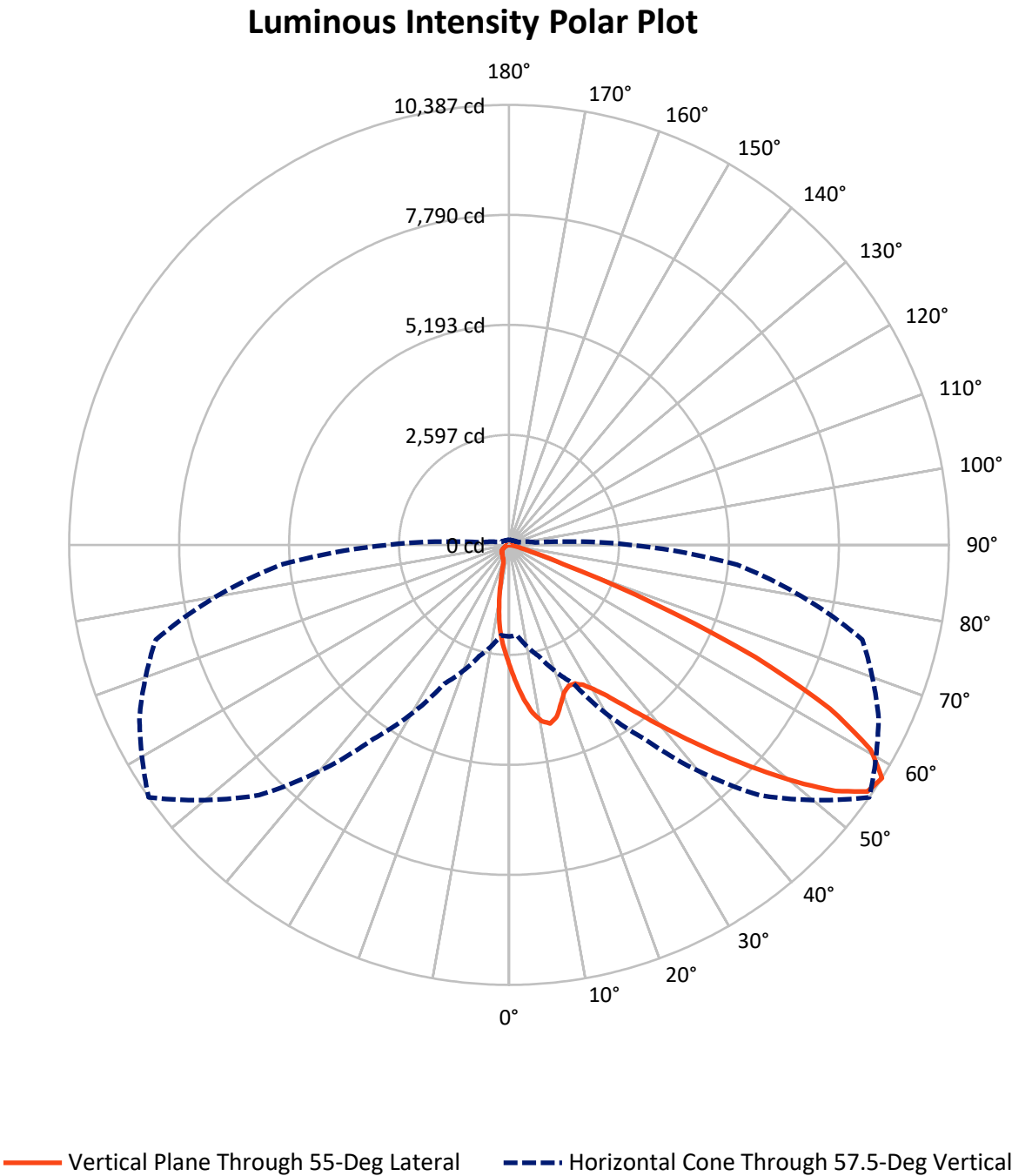
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 fc

Type II - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	929.3	0.0	929.3
	% Fixture	7.8	0.0	7.8
Street Side	Lumens	10970.7	0.0	10970.7
	% Fixture	92.2	0.0	92.2
Total	Lumens	11900.0	0.0	11900.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	266.8	2.2
10°-20°	644.5	5.4
20°-30°	1031.2	8.7
30°-40°	1745.3	14.7
40°-50°	2865.5	24.1
50°-60°	3149.4	26.5
60°-70°	1806.5	15.2
70°-80°	369.1	3.1
80°-90°	21.8	0.2
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°	11900.0	100.0
0°-180°	11900.0	100.0

Coefficient of Utilization



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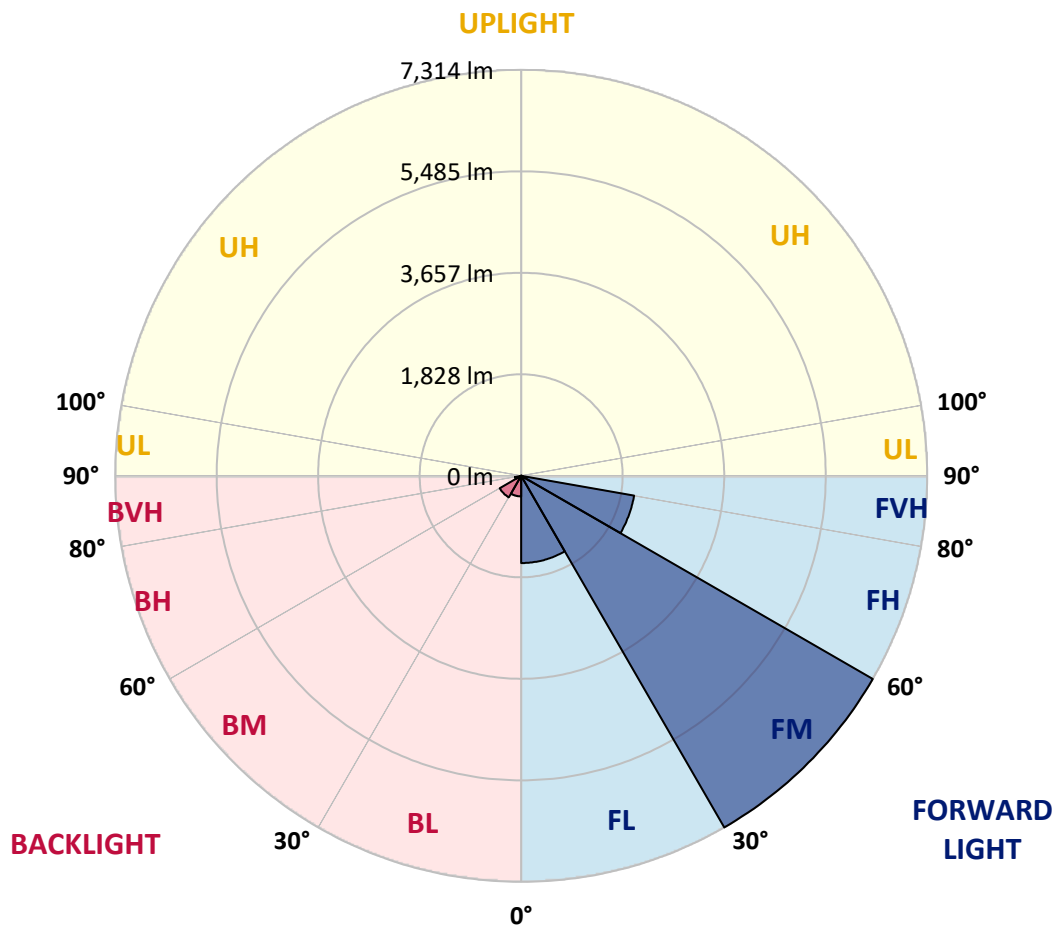
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1571.5	13.2			
FM	(30°-60°)	7313.8	61.5			
FH	(60°-80°)	2065.1	17.4			G2/5000
FVH	(80°-90°)	20.3	0.2			G1/100
BL	(0°-30°)	371.0	3.1	B1/500		
BM	(30°-60°)	446.3	3.8	B1/1000		
BH	(60°-80°)	110.5	0.9	B1/500		G1/500
BVH	(80°-90°)	1.5	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 Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2867.6	2867.6	2867.6	2867.6	2867.6	2867.6	2867.6	2867.6	2867.6	2867.6	2867.6
2.5°	3558.1	3513.3	3506.7	3497.9	3412.8	3349.0	3256.5	3155.2	3041.5	2925.6	2874.2
5°	4110.6	4075.4	4068.8	4027.7	3930.9	3822.3	3657.9	3450.2	3238.2	2988.7	2881.5
7.5°	4217.8	4211.2	4241.2	4239.8	4226.6	4140.7	4002.0	3754.7	3436.3	3066.5	2900.6
10°	3740.1	3756.9	3846.5	3925.0	4137.0	4260.3	4230.2	4026.2	3640.3	3155.2	2921.9
12.5°	3304.9	3285.1	3349.0	3437.8	3684.3	4051.2	4324.9	4253.0	3873.6	3255.8	2953.5
15°	3032.0	3023.9	3059.9	3100.9	3288.8	3658.6	4214.8	4437.2	4098.2	3374.6	3001.2
17.5°	2944.7	2938.0	2949.1	2959.3	3081.1	3367.3	3952.9	4550.2	4313.2	3510.4	3054.0
20°	3015.8	3007.0	3005.6	2997.5	3048.1	3243.3	3715.9	4558.2	4506.1	3633.7	3099.5
22.5°	3223.5	3213.2	3177.3	3145.0	3149.4	3260.2	3610.2	4477.5	4651.4	3748.9	3128.1
25°	3599.9	3583.0	3508.2	3399.6	3330.6	3377.6	3626.3	4371.1	4790.1	3839.1	3114.2
27.5°	4071.0	4049.0	3952.9	3791.4	3633.7	3576.4	3743.0	4297.7	4905.3	3908.1	3084.1
30°	4532.6	4503.9	4409.3	4283.8	4053.4	3872.9	3953.6	4330.0	5042.5	3980.0	3044.4
32.5°	5030.8	5003.6	4878.2	4722.6	4531.8	4288.9	4242.0	4487.8	5210.6	4080.5	3016.6
35°	5661.1	5618.5	5440.2	5228.2	5025.6	4779.8	4632.3	4760.0	5434.4	4233.9	3032.0
37.5°	6378.7	6321.5	6129.3	5836.5	5572.3	5297.1	5107.8	5134.2	5762.4	4439.4	3079.7
40°	7055.3	7003.2	6825.6	6549.7	6218.0	5884.2	5682.4	5623.7	6215.1	4689.6	3163.3
42.5°	7461.1	7414.1	7339.3	7222.6	6943.0	6602.5	6347.9	6221.0	6750.8	4989.0	3265.3
45°	7483.8	7442.7	7543.2	7679.0	7624.0	7397.2	7086.8	6854.2	7288.6	5270.0	3371.0
47.5°	7119.9	7092.0	7397.2	7871.2	8107.5	8202.9	7916.7	7434.6	7732.6	5471.8	3414.3
50°	6127.8	6117.5	6745.6	7615.9	8291.7	8908.8	8792.1	7974.7	8076.7	5576.0	3373.2
52.5°	5313.3	5275.9	5642.0	6798.5	8023.9	9280.1	9647.7	8504.5	8317.4	5595.8	3277.1
55°	4029.9	3996.9	4456.2	5430.7	7160.2	9148.0	10273.6	9051.2	8489.8	5545.2	3104.6
57.5°	2161.7	2141.2	2721.6	3614.6	5597.3	8355.5	10386.6	9629.4	8635.1	5410.9	2863.2
60°	841.6	838.0	1055.2	1753.7	3401.8	6797.7	9816.5	9976.5	8726.1	5245.8	2661.4
62.5°	509.2	520.2	555.5	787.3	1502.8	4222.9	8502.3	9581.7	8787.0	5094.6	2494.8
65°	421.2	421.9	426.3	540.8	719.8	1766.9	6400.8	8282.9	8636.6	4825.3	2258.6
67.5°	361.0	367.6	384.5	429.3	507.8	774.9	3685.0	6416.2	7721.6	4198.7	1890.2
70°	284.7	293.5	314.8	352.9	391.8	485.0	1361.9	4269.1	5898.8	3164.8	1429.4
72.5°	239.9	239.2	250.2	286.9	311.1	341.2	523.9	2392.1	3428.2	1510.9	707.4
75°	185.6	193.0	206.9	239.9	254.6	247.3	284.0	873.9	1228.3	457.9	240.7
77.5°	145.3	151.2	163.6	195.9	210.6	175.4	163.6	312.6	394.8	164.4	108.6
80°	65.3	70.4	111.5	144.6	171.7	121.1	88.8	160.0	175.4	74.8	55.0
82.5°	11.7	19.8	65.3	76.3	88.1	78.5	46.2	82.9	85.9	30.1	19.1
85°	0.7	1.5	22.7	27.9	35.2	25.7	13.9	33.0	28.6	10.3	7.3
87.5°	0.0	0.0	0.0	0.7	0.7	3.7	4.4	5.9	4.4	3.7	2.9
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2867.6	2867.6	2867.6	2867.6	2867.6	2867.6	2867.6	2867.6	2867.6	2867.6
2.5°	2821.4	2717.2	2615.9	2533.0	2484.6	2402.4	2348.1	2339.3	2316.5	2336.4
5°	2767.1	2580.7	2392.1	2223.3	2084.7	1905.6	1772.1	1715.6	1666.4	1683.3
7.5°	2741.4	2447.2	2153.6	1865.3	1568.8	1282.6	1069.8	981.1	913.6	923.1
10°	2706.9	2308.5	1848.4	1408.1	1011.1	728.6	581.9	527.6	497.5	498.2
12.5°	2680.5	2142.6	1494.0	954.6	615.6	465.2	419.7	406.5	397.7	398.4
15°	2667.3	1947.4	1144.0	636.2	440.3	394.0	383.0	377.2	371.3	370.6
17.5°	2645.3	1730.2	837.2	464.5	385.2	369.1	359.6	352.9	345.6	344.1
20°	2612.3	1483.7	612.0	392.6	361.0	348.5	335.3	326.5	317.7	316.3
22.5°	2551.3	1223.2	470.4	363.2	343.4	329.5	313.3	303.1	294.2	292.8
25°	2438.3	978.9	396.2	344.9	328.0	311.1	293.5	279.6	271.5	270.0
27.5°	2295.3	769.0	359.6	328.0	308.2	292.8	273.0	259.8	252.4	251.0
30°	2126.5	592.2	338.3	308.9	284.7	271.5	253.9	242.9	238.5	238.5
32.5°	1944.5	473.3	329.5	289.8	264.2	249.5	235.5	231.1	229.7	228.9
35°	1773.5	410.9	325.1	274.4	245.8	231.9	226.0	226.7	229.7	229.7
37.5°	1621.7	391.1	322.9	263.4	229.7	217.2	220.9	227.5	224.5	224.5
40°	1484.4	393.3	321.4	255.4	216.5	209.1	216.5	211.3	204.0	203.3
42.5°	1379.5	411.6	318.5	248.8	208.4	203.3	200.3	192.2	191.5	193.0
45°	1303.2	427.8	317.7	245.8	199.6	190.0	186.4	178.3	193.0	196.7
47.5°	1212.9	427.8	317.7	235.5	184.9	181.2	175.4	166.6	181.2	184.9
50°	1096.3	400.6	305.3	223.8	173.2	171.0	160.7	149.7	146.8	149.0
52.5°	948.8	351.5	273.7	207.7	161.4	157.0	144.6	136.5	134.3	134.3
55°	780.7	294.2	231.1	184.2	149.0	140.9	132.1	128.4	126.2	124.7
57.5°	634.7	241.4	185.6	163.6	137.2	126.9	124.0	119.6	115.9	113.7
60°	521.0	190.0	153.4	145.3	125.5	115.9	115.2	109.3	99.8	98.3
62.5°	402.1	139.4	129.1	126.2	113.7	105.7	104.2	92.5	77.8	74.8
65°	284.0	108.6	104.2	110.8	101.3	93.9	90.3	72.6	57.2	55.0
67.5°	199.6	91.0	82.2	96.9	88.1	78.5	76.3	61.6	47.7	46.2
70°	142.4	74.1	67.5	82.9	70.4	69.0	64.6	51.4	38.9	37.4
72.5°	100.5	56.5	52.1	71.9	48.4	59.4	52.8	39.6	29.4	27.9
75°	74.1	40.4	36.7	41.8	35.2	44.8	37.4	26.4	18.3	17.6
77.5°	54.3	25.7	22.0	20.5	20.5	27.9	20.5	11.0	8.1	7.3
80°	38.2	11.7	10.3	8.8	8.1	6.6	2.9	1.5	0.7	0.7
82.5°	22.7	5.1	5.1	3.7	2.2	0.0	0.0	0.0	0.0	0.0
85°	5.1	2.2	2.2	0.7	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.7	0.7	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

(END OF REPORT)