

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: P938888

Luminaire Tested: **GALN-SB1B-722-U-T4FT-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P938888
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB1B-722-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD
THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3523 lumens
Efficiency: N/A
Efficacy: 88.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 39.8
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



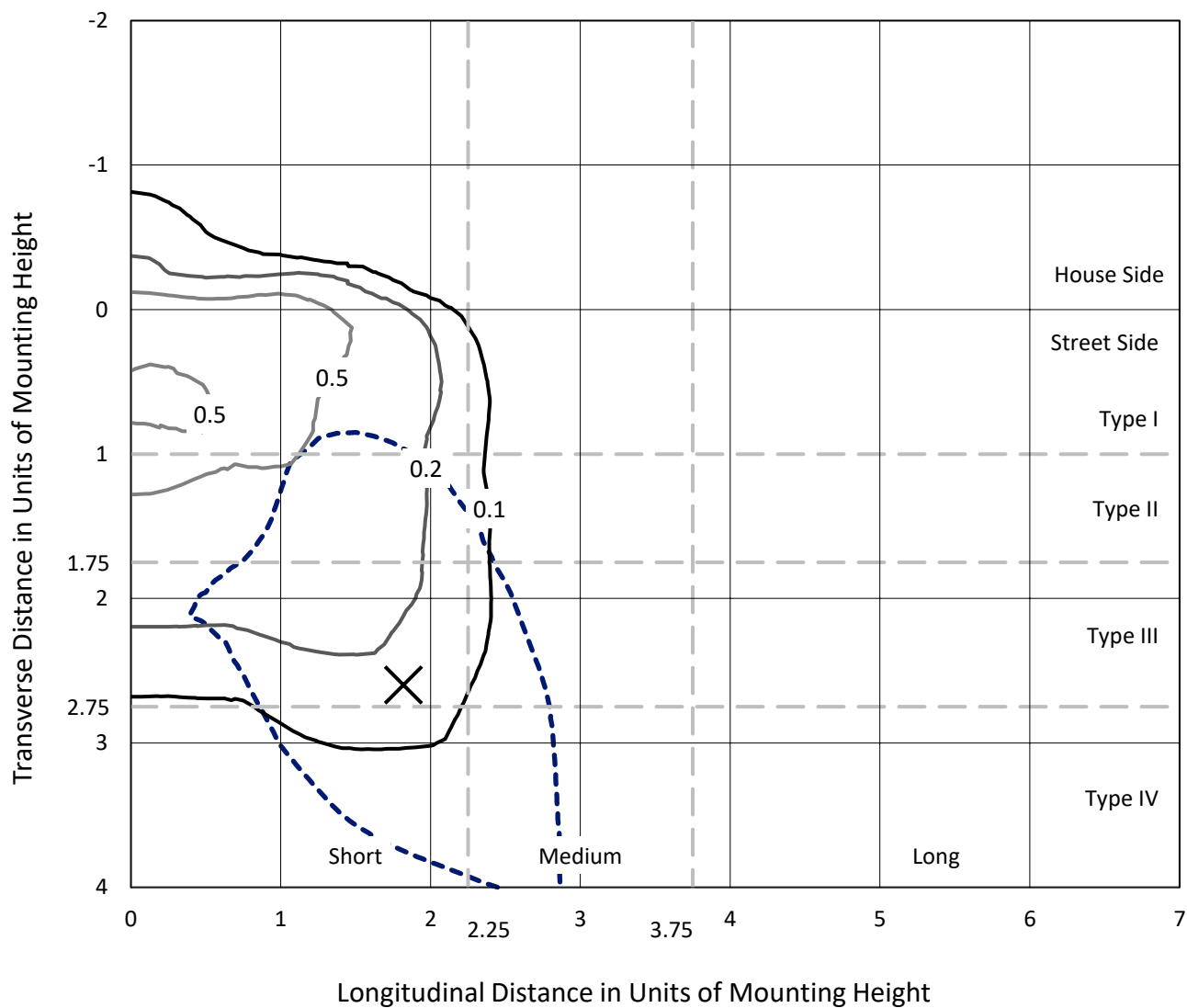
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

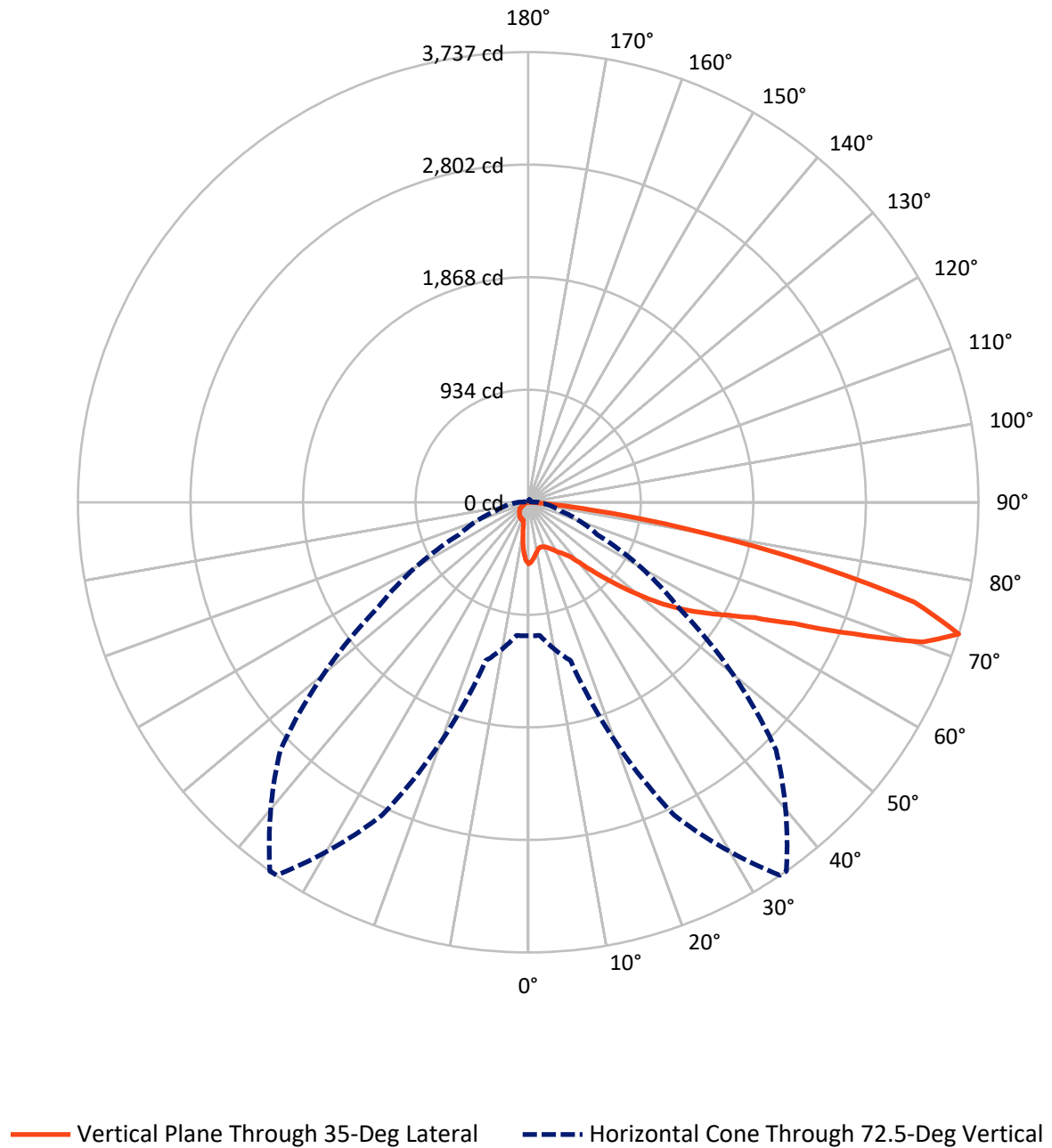


Based on 25 foot mounting height. Maximum calculated value = 0.8 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	396.5	0.0	396.5
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	3126.5	0.0	3126.5
	% Fixture	88.7	0.0	88.7
Total	Lumens	3523.0	0.0	3523.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.0	1.2
10°-20°	98.2	2.8
20°-30°	159.4	4.5
30°-40°	266.0	7.6
40°-50°	503.4	14.3
50°-60°	799.8	22.7
60°-70°	989.4	28.1
70°-80°	615.0	17.5
80°-90°	49.7	1.4
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°	3523.0	100.0
0°-180°	3523.0	100.0

Coefficient of Utilization



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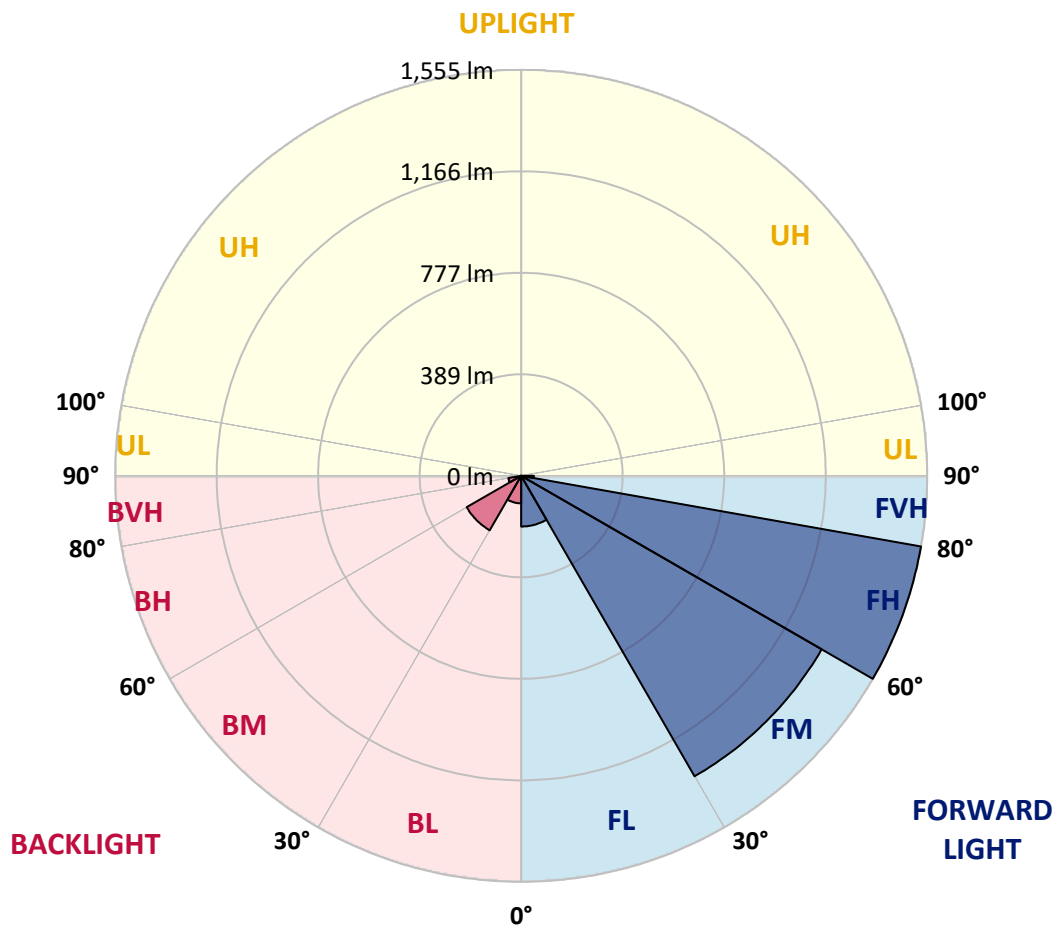
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	194.2	5.5			
FM	(30°-60°)	1328.5	37.7			
FH	(60°-80°)	1554.7	44.1			G1/1800
FVH	(80°-90°)	49.0	1.4			G1/100
BL	(0°-30°)	105.4	3.0	B0/110		
BM	(30°-60°)	240.7	6.8	B1/1000		
BH	(60°-80°)	49.8	1.4	B0/110		G0/110
BVH	(80°-90°)	0.7	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-G1

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	510.6	510.6	510.6	510.6	510.6	510.6	510.6	510.6	510.6	510.6	510.6
2.5°	487.9	492.0	492.8	494.1	494.1	495.6	498.2	501.8	507.8	510.9	512.9
5°	449.7	452.8	456.6	459.7	465.7	466.5	476.5	486.3	500.0	510.3	517.6
7.5°	411.2	414.8	420.0	427.5	435.2	437.5	452.8	469.3	491.0	510.3	522.5
10°	384.1	384.4	389.0	396.5	408.9	411.7	430.3	453.8	480.9	507.2	527.1
12.5°	368.9	370.7	372.8	378.4	390.3	392.1	412.0	439.6	470.8	505.4	532.5
15°	368.9	370.2	371.5	374.3	383.9	385.4	403.0	430.6	465.7	506.2	541.3
17.5°	372.8	374.8	373.8	377.1	387.2	388.2	403.7	428.0	465.4	511.1	554.7
20°	382.0	383.6	381.5	383.6	393.7	395.7	411.7	432.9	469.8	519.6	571.5
22.5°	396.8	397.5	392.6	394.2	404.5	407.1	425.7	446.8	480.4	533.3	594.0
25°	415.3	416.9	409.4	411.2	421.0	424.1	445.5	467.7	497.2	552.2	622.6
27.5°	436.8	437.5	431.1	430.8	443.5	447.9	469.6	493.6	519.6	575.9	658.8
30°	461.3	463.6	457.4	456.4	472.4	476.0	497.4	525.3	552.7	611.5	710.1
32.5°	480.7	482.5	478.8	481.4	497.7	500.5	531.3	570.2	604.6	662.1	780.1
35°	508.5	509.6	501.3	506.0	524.5	531.8	577.5	633.2	669.9	725.6	871.5
37.5°	609.5	609.5	574.4	551.4	569.2	575.7	640.7	712.5	750.4	810.8	986.6
40°	749.1	746.8	695.4	648.4	646.1	658.8	730.8	812.4	854.4	913.0	1116.2
42.5°	898.1	894.5	824.5	778.0	770.3	774.7	834.8	935.5	978.4	1037.7	1255.6
45°	1030.2	1029.2	965.2	902.7	888.8	902.7	964.7	1079.5	1110.3	1172.7	1394.7
47.5°	1141.0	1141.0	1094.3	1053.5	1046.2	1054.5	1140.5	1239.3	1236.5	1316.5	1530.3
50°	1268.5	1267.5	1223.1	1205.5	1213.0	1224.6	1342.8	1407.6	1367.1	1457.7	1651.3
52.5°	1357.8	1364.0	1348.8	1345.9	1384.1	1404.3	1548.3	1572.3	1484.0	1591.7	1741.9
55°	1428.5	1435.8	1453.3	1473.2	1546.8	1573.1	1747.3	1728.5	1581.9	1707.9	1794.1
57.5°	1528.7	1518.4	1545.5	1584.7	1703.7	1735.5	1940.2	1875.9	1660.6	1802.1	1799.8
60°	1650.3	1651.8	1656.5	1706.0	1860.4	1901.2	2130.2	2015.3	1711.2	1859.9	1736.8
62.5°	1796.4	1798.7	1808.3	1884.4	2070.8	2109.3	2332.6	2129.4	1734.4	1843.6	1574.1
65°	1786.3	1796.1	1902.7	2163.2	2390.6	2428.6	2568.8	2209.4	1699.3	1694.9	1281.7
67.5°	1627.3	1643.3	1821.7	2496.2	2872.8	2915.2	2854.3	2225.2	1547.8	1318.1	836.1
70°	1418.7	1424.4	1638.9	2795.7	3431.2	3474.0	3109.8	2052.0	1174.5	735.2	374.6
72.5°	1107.9	1109.2	1360.9	2865.1	3734.3	3736.6	2909.2	1523.3	631.7	282.4	130.1
75°	791.5	783.7	911.5	2323.5	3285.3	3311.7	2181.0	714.5	241.4	133.5	64.8
77.5°	424.4	432.9	515.8	1378.0	2269.6	2314.5	1190.0	206.0	122.9	90.9	42.9
80°	131.1	138.4	211.4	630.9	1285.5	1312.6	441.2	91.6	85.7	64.8	28.1
82.5°	41.3	42.9	98.6	265.1	533.6	546.0	127.8	51.9	58.6	42.9	16.5
85°	11.9	12.1	43.9	98.9	131.9	134.5	35.9	20.1	33.6	26.6	8.5
87.5°	1.3	4.1	16.5	16.5	11.6	11.4	3.9	4.4	9.6	3.4	1.5
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°	510.6	510.6	510.6	510.6	510.6	510.6	510.6	510.6	510.6	510.6	510.6
2.5°	511.6	511.9	508.5	502.9	496.7	491.5	485.0	479.9	476.3	475.2	477.0
5°	515.2	513.4	503.9	486.6	465.9	448.1	428.3	412.5	402.2	397.8	399.3
7.5°	520.7	515.5	494.6	460.5	421.0	385.9	350.3	322.7	305.1	296.3	297.6
10°	525.3	515.0	479.1	422.8	362.4	309.3	261.2	227.9	209.4	200.6	200.8
12.5°	529.7	514.7	459.0	378.2	296.3	231.3	186.6	170.1	165.0	163.1	162.6
15°	538.0	515.5	433.7	327.1	230.5	174.8	158.5	158.2	159.3	158.8	158.5
17.5°	549.3	516.3	405.0	272.9	177.9	154.1	153.3	155.7	157.2	156.4	156.2
20°	564.0	519.4	374.6	219.2	152.8	148.9	150.8	152.8	154.1	152.8	152.6
22.5°	584.7	524.8	341.3	176.1	144.8	145.8	147.4	149.7	151.0	149.2	148.9
25°	610.0	533.3	308.5	153.1	140.9	142.2	144.6	147.1	148.7	146.9	146.6
27.5°	642.8	547.0	278.3	147.9	137.1	137.8	141.2	145.1	147.1	144.8	144.8
30°	690.3	569.5	252.2	150.2	134.7	132.9	137.6	143.0	145.3	143.3	143.0
32.5°	753.3	601.2	236.2	153.9	133.7	127.3	131.7	138.6	142.5	141.2	141.2
35°	835.9	649.5	230.0	158.0	132.9	121.3	124.4	131.9	138.6	139.9	139.9
37.5°	936.0	716.6	231.8	159.8	130.6	116.4	118.0	124.4	133.2	137.3	138.4
40°	1049.9	794.8	242.1	158.0	128.0	112.3	112.5	117.5	125.2	131.4	133.5
42.5°	1167.3	886.2	261.2	151.3	125.7	108.7	107.9	111.3	116.4	120.8	122.6
45°	1279.1	980.2	280.1	142.0	122.9	105.1	103.3	104.5	105.6	107.4	108.4
47.5°	1376.7	1046.2	274.7	133.5	119.0	100.9	97.8	97.3	94.2	94.0	93.7
50°	1444.0	1060.7	243.9	124.9	113.3	96.3	91.4	88.3	82.9	80.3	80.5
52.5°	1465.5	1003.6	199.3	116.4	104.0	90.1	83.1	78.2	71.5	69.2	68.9
55°	1437.1	891.9	159.3	106.1	91.1	81.8	74.1	67.6	62.2	59.4	59.4
57.5°	1367.6	749.6	126.0	94.0	77.4	72.5	64.8	58.3	53.7	50.9	50.3
60°	1252.5	595.3	99.6	79.5	66.1	62.5	54.5	50.3	46.2	42.9	42.1
62.5°	1077.7	424.9	78.2	63.0	55.2	51.1	46.5	43.4	38.5	33.8	33.0
65°	841.0	259.9	60.4	46.2	44.4	42.3	39.5	36.7	30.7	26.1	25.3
67.5°	530.5	123.1	43.1	34.8	35.1	34.1	32.8	30.5	26.1	21.9	21.4
70°	233.6	59.6	28.4	26.6	26.1	26.1	27.1	26.3	22.2	18.3	17.6
72.5°	79.5	32.0	21.2	20.1	18.8	18.6	22.7	21.9	17.8	14.2	13.4
75°	41.6	21.4	15.5	14.5	11.4	13.7	18.1	17.0	12.6	9.3	8.5
77.5°	27.1	15.2	10.6	9.3	6.5	9.0	13.4	11.9	7.5	4.6	4.1
80°	17.0	10.1	6.2	4.4	3.1	4.9	7.2	5.2	2.8	1.0	0.8
82.5°	9.0	5.2	2.3	1.5	1.3	1.5	1.8	1.3	0.5	0.0	0.0
85°	3.6	1.8	0.8	0.5	0.3	0.0	0.5	0.3	0.0	0.0	0.0
87.5°	1.3	0.3	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)