

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: P938718

Luminaire Tested: **GALN-SB1A-722-U-T4FT-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P938718
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-SB1A-722-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD
THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

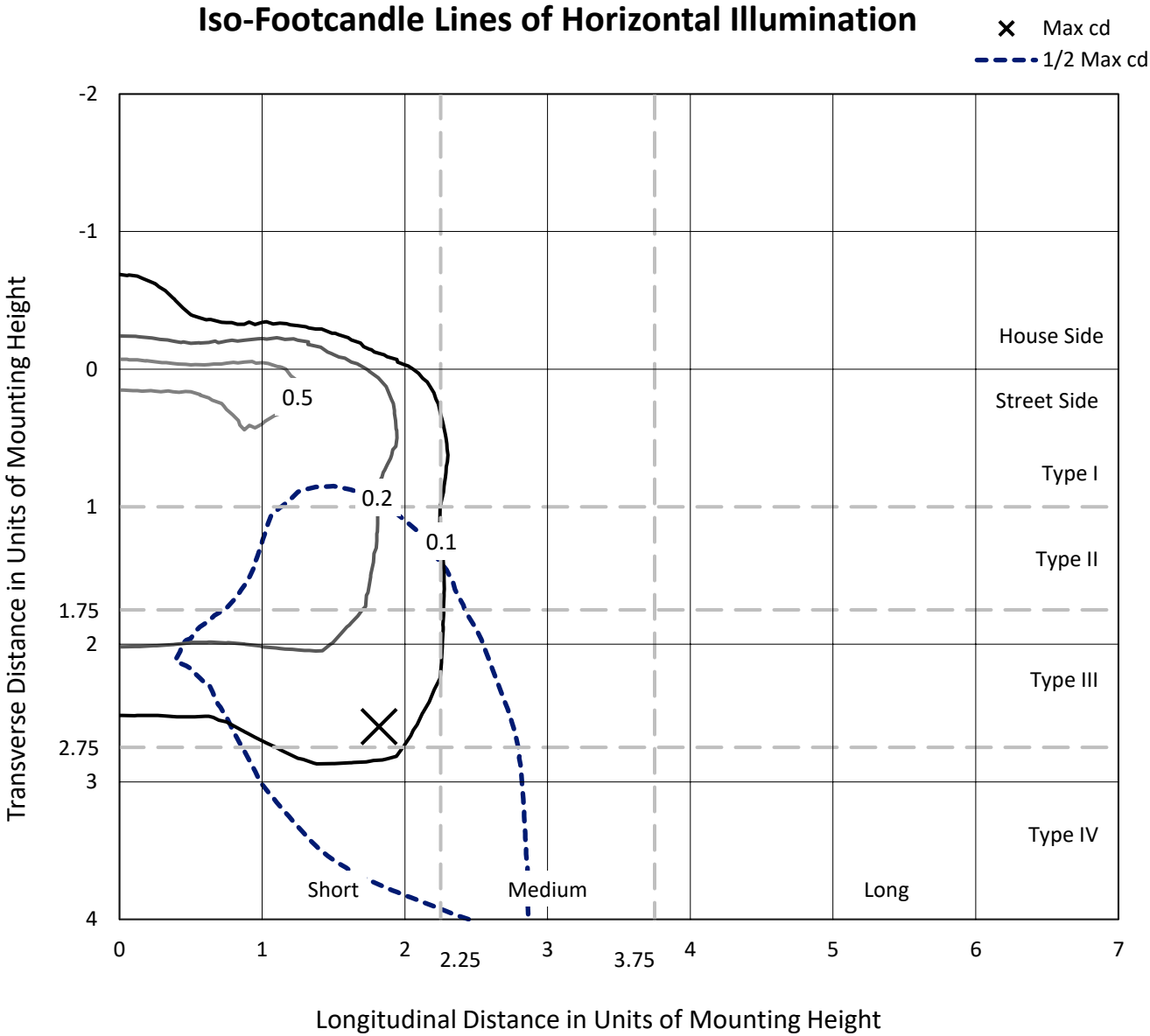
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2807 lumens
Efficiency: N/A
Efficacy: 90.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G1

Input Watts (W): 30.9
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

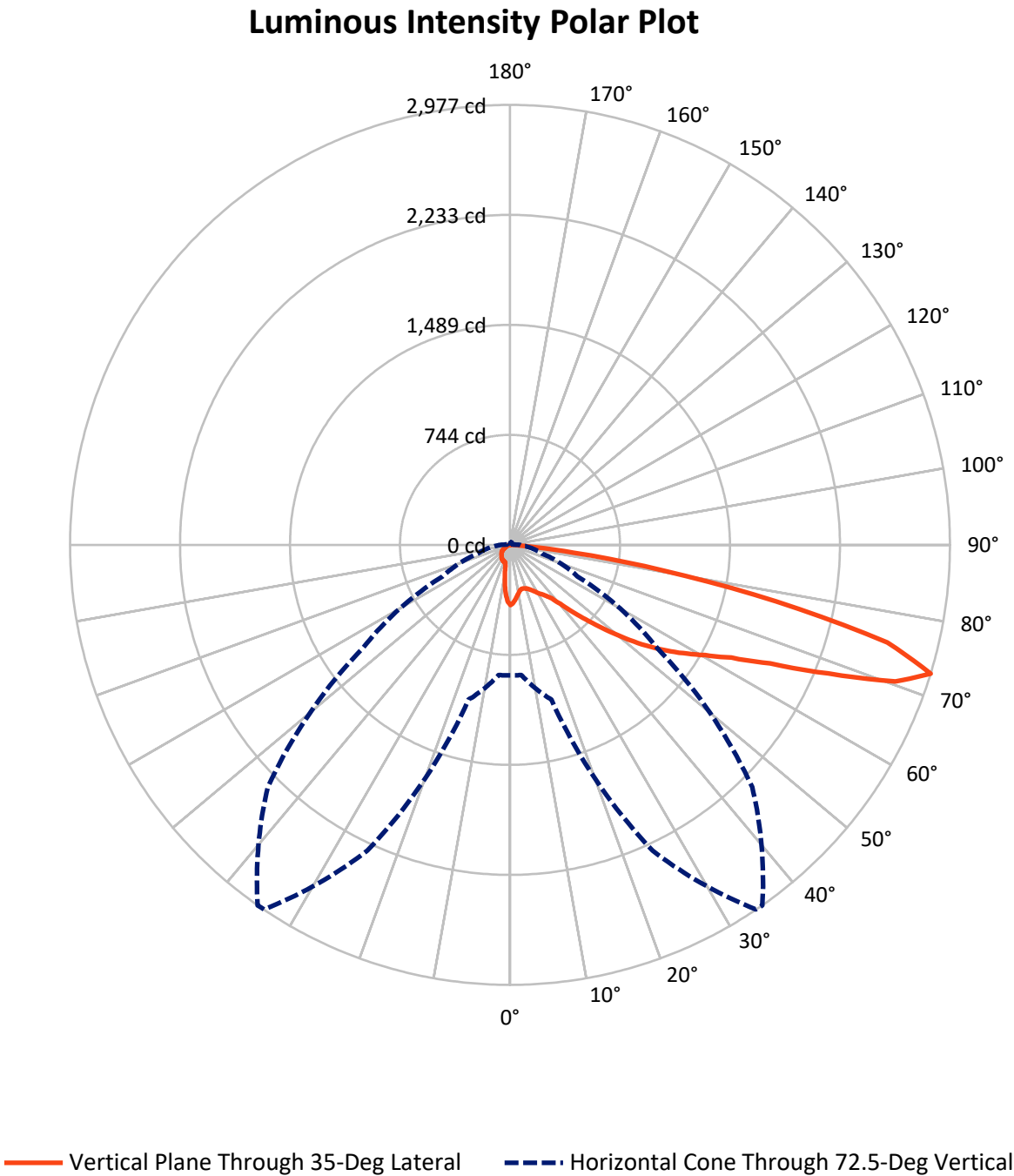


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Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
Type IV - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	315.9	0.0	315.9
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	2491.1	0.0	2491.1
	% Fixture	88.7	0.0	88.7
Total	Lumens	2807.0	0.0	2807.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.4	1.2
10°-20°	78.2	2.8
20°-30°	127.0	4.5
30°-40°	212.0	7.6
40°-50°	401.1	14.3
50°-60°	637.3	22.7
60°-70°	788.4	28.1
70°-80°	490.0	17.5
80°-90°	39.6	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°	2807.0	100.0
0°-180°	2807.0	100.0

Coefficient of Utilization



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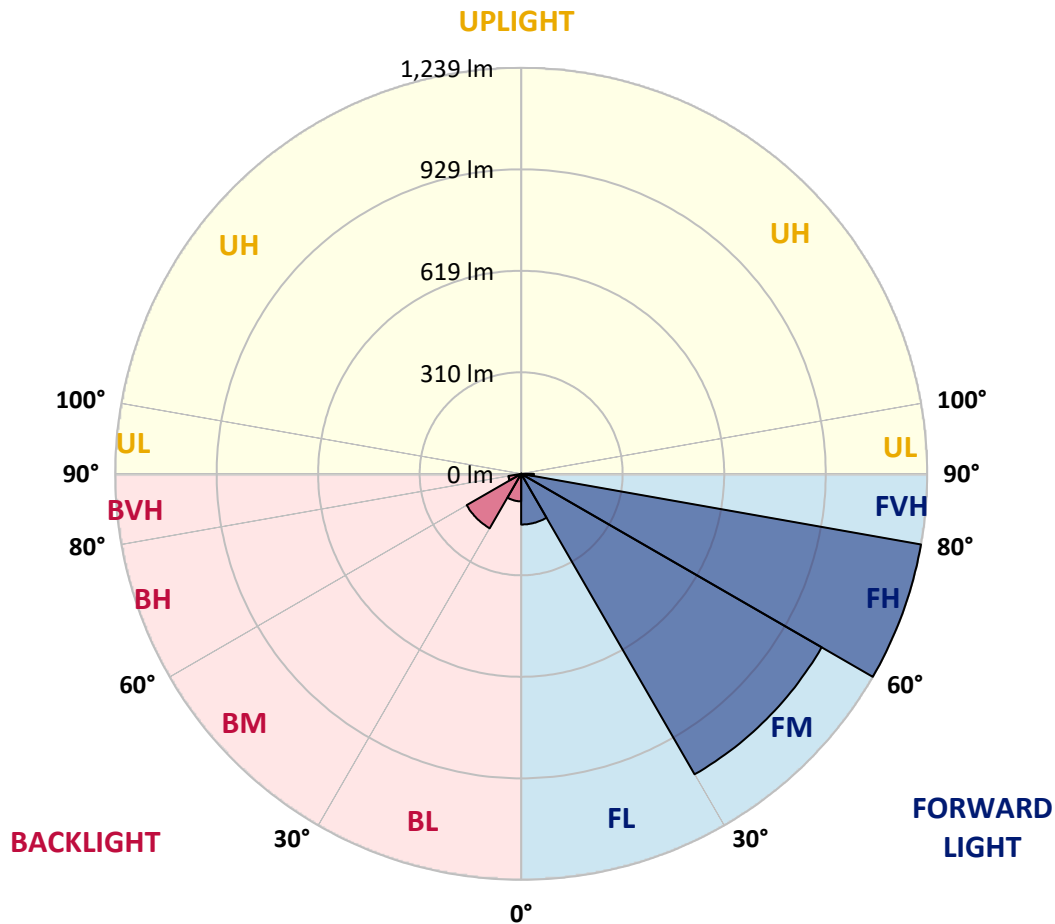
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	154.7	5.5			
FM	(30°-60°)	1058.5	37.7			
FH	(60°-80°)	1238.8	44.1			G1/1800
FVH	(80°-90°)	39.1	1.4			G1/100
BL	(0°-30°)	83.9	3.0	B0/110		
BM	(30°-60°)	191.8	6.8	B0/220		
BH	(60°-80°)	39.6	1.4	B0/110		G0/110
BVH	(80°-90°)	0.5	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	406.8	406.8	406.8	406.8	406.8	406.8	406.8	406.8	406.8	406.8	406.8
2.5°	388.7	392.0	392.6	393.7	393.7	394.9	397.0	399.8	404.6	407.0	408.7
5°	358.3	360.8	363.8	366.3	371.0	371.7	379.7	387.5	398.4	406.6	412.4
7.5°	327.6	330.5	334.6	340.6	346.8	348.6	360.8	373.9	391.2	406.6	416.3
10°	306.0	306.3	310.0	315.9	325.8	328.1	342.9	361.6	383.2	404.2	420.0
12.5°	293.9	295.4	297.0	301.5	311.0	312.4	328.3	350.3	375.2	402.7	424.3
15°	293.9	294.9	296.0	298.2	305.8	307.1	321.1	343.1	371.0	403.3	431.3
17.5°	297.0	298.6	297.8	300.5	308.5	309.3	321.7	341.0	370.8	407.2	442.0
20°	304.4	305.6	304.0	305.6	313.7	315.3	328.1	344.9	374.3	414.0	455.4
22.5°	316.1	316.7	312.8	314.1	322.3	324.4	339.2	356.0	382.8	424.9	473.3
25°	330.9	332.2	326.2	327.6	335.5	337.9	355.0	372.7	396.1	439.9	496.1
27.5°	348.0	348.6	343.5	343.3	353.4	356.8	374.1	393.3	414.0	458.9	524.9
30°	367.5	369.4	364.5	363.6	376.4	379.3	396.3	418.6	440.4	487.2	565.8
32.5°	383.0	384.4	381.5	383.6	396.5	398.8	423.3	454.3	481.7	527.6	621.6
35°	405.2	406.0	399.4	403.1	417.9	423.7	460.1	504.5	533.7	578.2	694.4
37.5°	485.6	485.6	457.6	439.3	453.5	458.7	510.5	567.7	597.9	646.0	786.1
40°	596.9	595.0	554.1	516.7	514.8	524.9	582.3	647.3	680.8	727.5	889.3
42.5°	715.5	712.7	656.9	619.9	613.7	617.2	665.2	745.4	779.5	826.8	1000.4
45°	820.9	820.0	769.0	719.3	708.1	719.3	768.6	860.1	884.6	934.4	1111.3
47.5°	909.1	909.1	871.9	839.4	833.6	840.2	908.7	987.5	985.2	1049.0	1219.3
50°	1010.7	1009.9	974.5	960.5	966.5	975.7	1069.9	1121.6	1089.3	1161.5	1315.7
52.5°	1081.9	1086.8	1074.7	1072.4	1102.8	1118.9	1233.6	1252.8	1182.4	1268.2	1387.9
55°	1138.2	1144.0	1158.0	1173.8	1232.4	1253.4	1392.2	1377.2	1260.4	1360.8	1429.5
57.5°	1218.0	1209.8	1231.4	1262.6	1357.5	1382.8	1545.9	1494.7	1323.1	1435.8	1434.0
60°	1314.9	1316.1	1319.8	1359.3	1482.3	1514.8	1697.2	1605.7	1363.4	1481.9	1383.8
62.5°	1431.3	1433.2	1440.8	1501.4	1649.9	1680.6	1858.5	1696.6	1381.9	1468.9	1254.2
65°	1423.3	1431.1	1516.0	1723.6	1904.8	1935.0	2046.7	1760.4	1354.0	1350.5	1021.2
67.5°	1296.6	1309.3	1451.5	1988.9	2289.0	2322.7	2274.2	1772.9	1233.2	1050.2	666.2
70°	1130.4	1134.9	1305.8	2227.5	2733.9	2768.0	2477.8	1634.9	935.8	585.8	298.4
72.5°	882.8	883.8	1084.3	2282.8	2975.3	2977.2	2318.0	1213.7	503.3	225.0	103.7
75°	630.6	624.4	726.2	1851.3	2617.6	2638.6	1737.8	569.3	192.3	106.3	51.6
77.5°	338.1	344.9	410.9	1097.9	1808.3	1844.1	948.2	164.1	97.9	72.4	34.1
80°	104.5	110.2	168.4	502.7	1024.3	1045.9	351.5	73.0	68.3	51.6	22.4
82.5°	32.9	34.1	78.6	211.2	425.1	435.0	101.8	41.3	46.7	34.1	13.2
85°	9.5	9.7	35.0	78.8	105.1	107.2	28.6	16.0	26.7	21.2	6.8
87.5°	1.0	3.3	13.2	13.2	9.3	9.0	3.1	3.5	7.6	2.7	1.2
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°	406.8	406.8	406.8	406.8	406.8	406.8	406.8	406.8	406.8	406.8	406.8
2.5°	407.7	407.9	405.2	400.7	395.7	391.6	386.5	382.4	379.5	378.7	380.1
5°	410.5	409.1	401.5	387.7	371.2	357.1	341.2	328.7	320.4	316.9	318.2
7.5°	414.8	410.7	394.1	366.9	335.5	307.5	279.1	257.1	243.1	236.1	237.1
10°	418.6	410.3	381.7	336.9	288.8	246.4	208.1	181.6	166.8	159.8	160.0
12.5°	422.0	410.1	365.7	301.3	236.1	184.3	148.7	135.5	131.4	130.0	129.6
15°	428.6	410.7	345.5	260.6	183.7	139.2	126.3	126.1	126.9	126.5	126.3
17.5°	437.7	411.4	322.7	217.4	141.7	122.8	122.2	124.0	125.3	124.6	124.4
20°	449.4	413.8	298.4	174.6	121.8	118.7	120.1	121.8	122.8	121.8	121.6
22.5°	465.9	418.1	271.9	140.3	115.4	116.2	117.4	119.3	120.3	118.9	118.7
25°	486.0	424.9	245.8	122.0	112.3	113.3	115.2	117.2	118.5	117.0	116.8
27.5°	512.1	435.8	221.7	117.9	109.2	109.8	112.5	115.6	117.2	115.4	115.4
30°	550.0	453.7	200.9	119.7	107.4	105.9	109.6	113.9	115.8	114.2	113.9
32.5°	600.2	479.0	188.2	122.6	106.5	101.4	104.9	110.4	113.5	112.5	112.5
35°	666.0	517.5	183.3	125.9	105.9	96.7	99.1	105.1	110.4	111.5	111.5
37.5°	745.8	571.0	184.7	127.3	104.1	92.8	94.0	99.1	106.1	109.4	110.2
40°	836.5	633.3	192.9	125.9	102.0	89.5	89.7	93.6	99.8	104.7	106.3
42.5°	930.1	706.1	208.1	120.5	100.2	86.6	86.0	88.6	92.8	96.3	97.7
45°	1019.1	781.0	223.2	113.1	97.9	83.7	82.3	83.3	84.1	85.6	86.4
47.5°	1096.9	833.6	218.8	106.3	94.8	80.4	78.0	77.5	75.1	74.9	74.7
50°	1150.6	845.1	194.4	99.5	90.3	76.7	72.8	70.3	66.0	64.0	64.2
52.5°	1167.6	799.7	158.8	92.8	82.9	71.8	66.2	62.3	57.0	55.1	54.9
55°	1145.0	710.6	126.9	84.5	72.6	65.2	59.0	53.9	49.6	47.3	47.3
57.5°	1089.7	597.3	100.4	74.9	61.7	57.8	51.6	46.5	42.8	40.5	40.1
60°	997.9	474.3	79.4	63.3	52.7	49.8	43.4	40.1	36.8	34.1	33.5
62.5°	858.7	338.5	62.3	50.2	44.0	40.7	37.0	34.6	30.6	26.9	26.3
65°	670.1	207.1	48.1	36.8	35.4	33.7	31.5	29.2	24.5	20.8	20.2
67.5°	422.7	98.1	34.3	27.8	28.0	27.1	26.1	24.3	20.8	17.5	17.1
70°	186.1	47.5	22.6	21.2	20.8	20.8	21.6	21.0	17.7	14.6	14.0
72.5°	63.3	25.5	16.9	16.0	15.0	14.8	18.1	17.5	14.2	11.3	10.7
75°	33.1	17.1	12.3	11.5	9.0	10.9	14.4	13.6	10.1	7.4	6.8
77.5°	21.6	12.1	8.4	7.4	5.1	7.2	10.7	9.5	6.0	3.7	3.3
80°	13.6	8.0	4.9	3.5	2.5	3.9	5.8	4.1	2.3	0.8	0.6
82.5°	7.2	4.1	1.9	1.2	1.0	1.2	1.4	1.0	0.4	0.0	0.0
85°	2.9	1.4	0.6	0.4	0.2	0.0	0.4	0.2	0.0	0.0	0.0
87.5°	1.0	0.2	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)