

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: P945908

Luminaire Tested: **GALN-SB1D-722-U-SL3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945908
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1D-722-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6772 lumens
Efficiency: N/A
Efficacy: 85.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

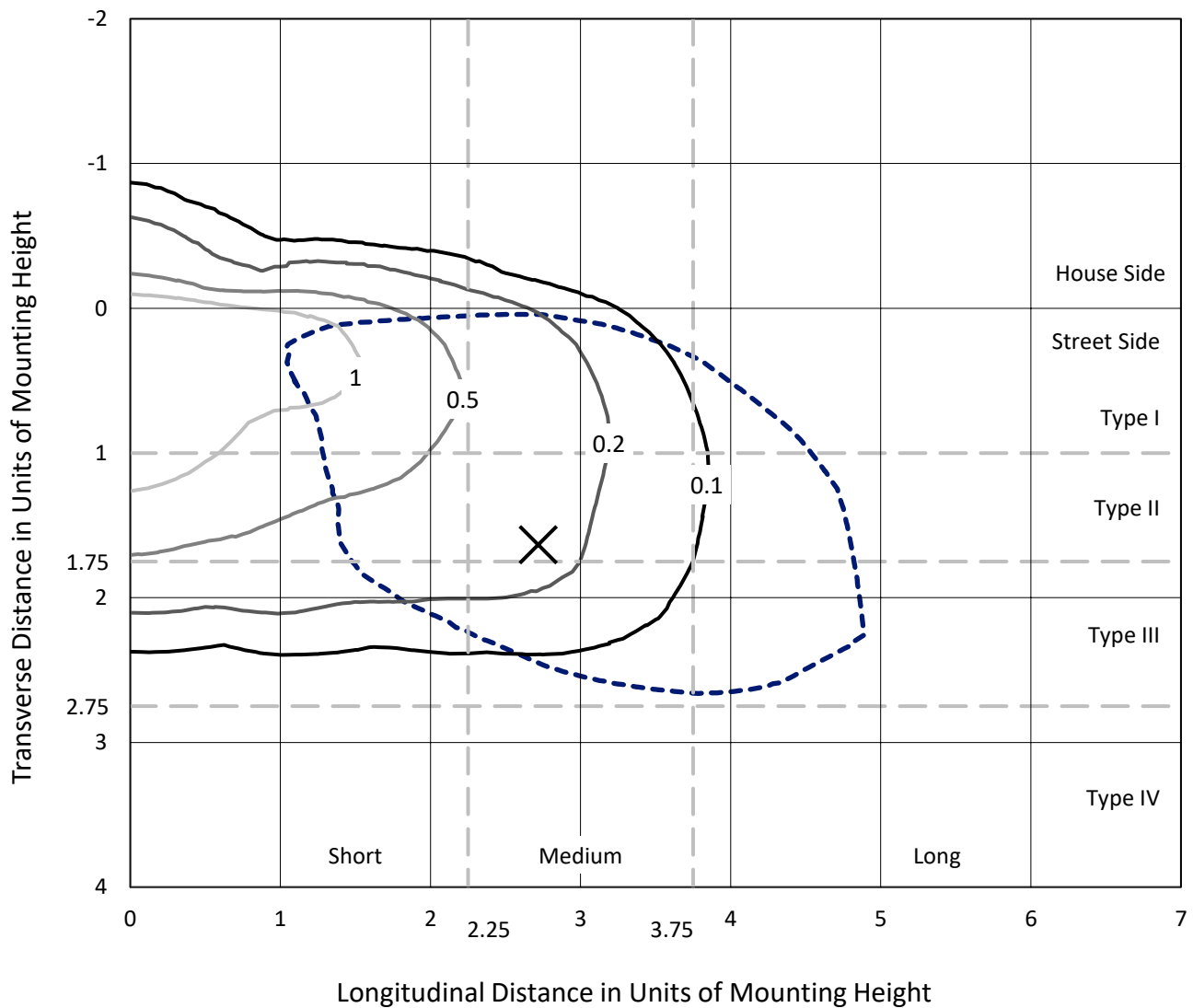
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

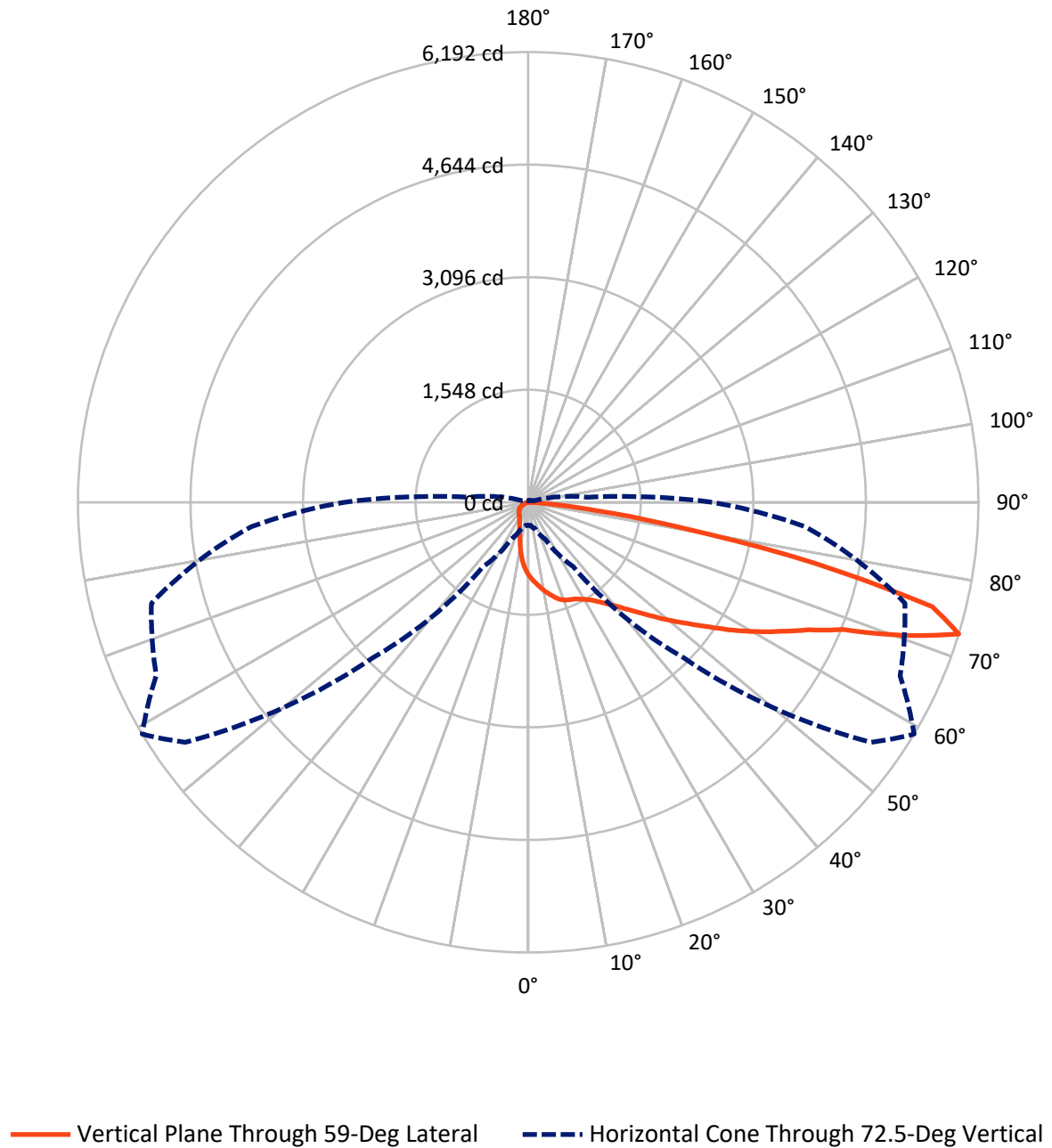
✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	715.3	0.0	715.3
	% Fixture	10.6	0.0	10.6
Street Side	Lumens	6056.7	0.0	6056.7
	% Fixture	89.4	0.0	89.4
Total	Lumens	6772.0	0.0	6772.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.6	1.3
10°-20°	240.7	3.6
20°-30°	381.4	5.6
30°-40°	612.1	9.0
40°-50°	977.6	14.4
50°-60°	1415.4	20.9
60°-70°	1679.8	24.8
70°-80°	1247.0	18.4
80°-90°	127.5	1.9
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°	6772.0	100.0
0°-180°	6772.0	100.0

Coefficient of Utilization



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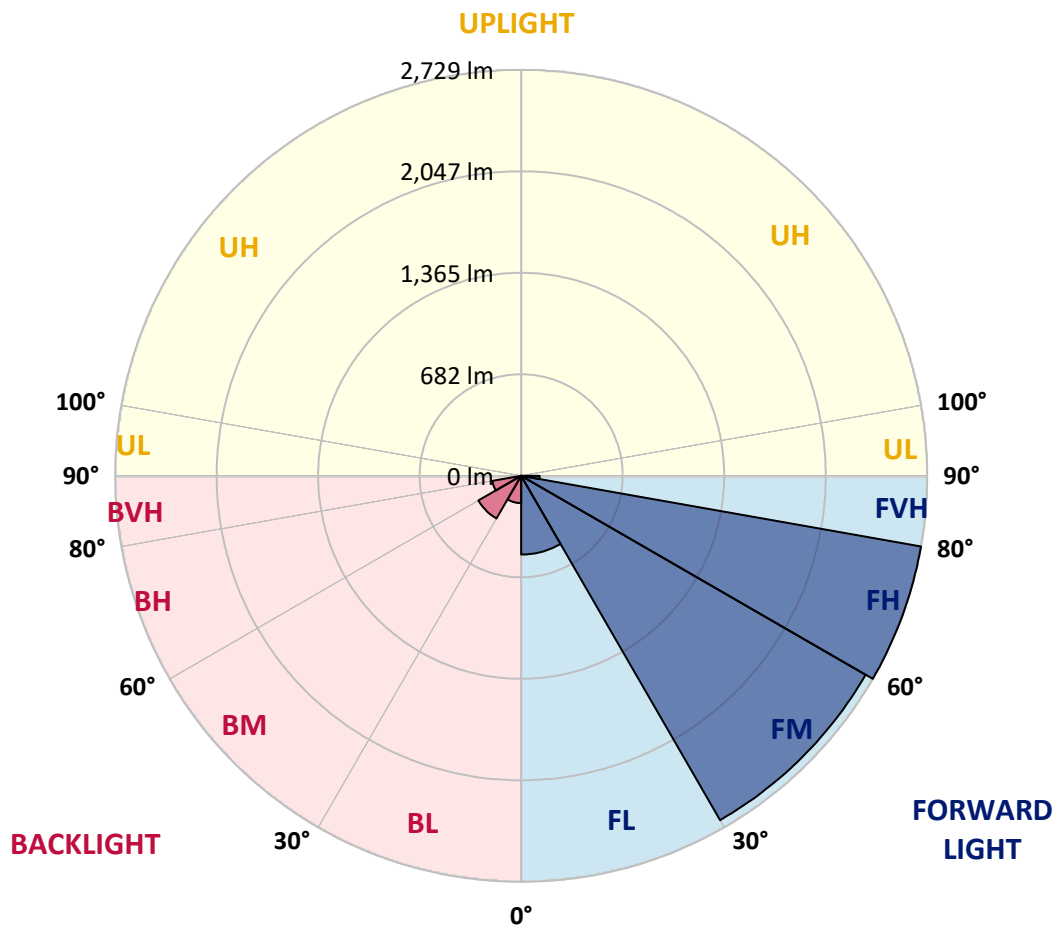
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	529.4	7.8			
FM	(30°-60°)	2673.5	39.5			
FH	(60°-80°)	2729.5	40.3			G2/5000
FVH	(80°-90°)	124.3	1.8			G2/225
BL	(0°-30°)	183.2	2.7	B1/500		
BM	(30°-60°)	331.6	4.9	B1/1000		
BH	(60°-80°)	197.2	2.9	B1/500		G1/500
BVH	(80°-90°)	3.2	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 III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	1001.4	1001.4	1001.4	1001.4	1001.4	1001.4	1001.4	1001.4	1001.4	1001.4	1001.4
2.5°	1111.1	1104.9	1105.8	1095.1	1087.6	1079.7	1064.2	1062.0	1050.9	1031.5	1011.6
5°	1207.9	1203.9	1200.4	1188.4	1173.0	1153.5	1127.4	1118.1	1097.8	1064.2	1025.3
7.5°	1278.6	1273.8	1275.5	1263.6	1251.2	1229.6	1193.7	1176.5	1149.5	1098.2	1039.4
10°	1292.3	1289.7	1301.2	1305.6	1305.6	1291.9	1257.0	1239.7	1200.4	1134.9	1054.0
12.5°	1215.4	1215.8	1244.6	1279.1	1324.2	1337.0	1313.6	1295.0	1256.1	1173.8	1072.6
15°	1125.7	1126.1	1154.0	1198.2	1272.0	1345.8	1364.4	1352.5	1312.2	1215.8	1094.3
17.5°	1071.7	1069.5	1088.1	1124.3	1201.7	1305.6	1395.4	1403.3	1370.6	1262.3	1118.1
20°	1064.2	1060.2	1069.9	1088.1	1143.3	1255.2	1398.9	1436.5	1430.7	1314.9	1145.6
22.5°	1110.2	1104.0	1098.7	1099.6	1123.0	1213.2	1390.0	1455.0	1492.6	1378.1	1183.1
25°	1201.3	1191.5	1174.3	1152.2	1147.3	1204.4	1383.9	1475.4	1550.1	1459.0	1232.6
27.5°	1312.7	1299.0	1265.8	1232.6	1204.4	1229.1	1396.7	1507.7	1615.1	1553.2	1290.1
30°	1435.1	1418.3	1385.2	1322.4	1277.3	1284.4	1427.2	1550.1	1698.2	1659.7	1362.2
32.5°	1615.1	1576.2	1518.3	1422.3	1362.6	1344.1	1473.2	1604.0	1801.2	1801.7	1466.5
35°	1769.4	1747.7	1689.4	1570.0	1447.5	1423.2	1533.7	1680.1	1944.0	1989.6	1612.4
37.5°	1870.6	1841.0	1789.7	1700.0	1579.3	1504.6	1614.6	1773.4	2095.2	2203.6	1792.4
40°	1983.8	1954.6	1886.6	1802.1	1732.3	1644.3	1716.8	1880.8	2261.0	2423.3	1998.0
42.5°	2120.4	2082.4	2002.0	1910.9	1837.9	1828.2	1850.3	2014.8	2431.3	2662.0	2212.0
45°	2280.9	2245.1	2152.7	2037.8	1973.7	1956.4	2018.3	2170.8	2620.9	2923.8	2428.2
47.5°	2431.3	2389.7	2290.2	2185.4	2114.3	2059.9	2196.9	2355.2	2835.8	3197.5	2632.4
50°	2559.0	2516.6	2425.5	2313.7	2265.5	2194.3	2372.5	2560.8	3048.9	3475.6	2819.0
52.5°	2646.6	2609.0	2502.0	2426.0	2393.2	2357.4	2578.0	2778.8	3261.1	3730.2	3003.4
55°	2626.7	2593.1	2498.9	2493.6	2491.4	2529.0	2823.9	3025.9	3477.3	3971.2	3186.9
57.5°	2563.5	2525.4	2407.8	2488.7	2567.0	2681.9	3090.0	3318.2	3714.3	4198.4	3363.7
60°	2377.3	2364.1	2292.4	2479.4	2598.8	2831.8	3394.2	3611.7	3970.7	4398.3	3520.7
62.5°	1983.4	1994.9	1994.4	2498.9	2656.3	3002.5	3670.5	3908.8	4221.4	4590.6	3660.4
65°	1485.1	1524.9	1575.7	2323.8	2733.2	3307.1	4000.8	4231.2	4476.1	4814.3	3802.3
67.5°	997.9	1029.7	1064.2	1906.5	2504.2	3627.2	4549.5	4672.8	4781.2	5062.4	3961.9
70°	571.2	581.4	629.6	1190.6	1930.3	3538.8	5443.0	5487.7	5236.1	5367.9	4078.2
72.5°	320.1	316.6	380.2	565.0	1078.8	3030.3	5756.1	6191.5	5643.3	5363.0	3818.7
75°	214.0	214.4	261.7	356.4	420.5	2121.3	4960.2	5741.0	5399.3	4755.5	3120.1
77.5°	145.9	150.8	192.3	275.4	194.5	1035.0	3281.5	4021.6	4371.3	3672.3	2154.0
80°	63.2	63.7	126.9	197.6	131.3	329.4	1701.3	2154.5	2741.6	2062.1	853.3
82.5°	32.7	37.1	80.9	127.8	82.7	115.4	803.8	941.3	1150.4	605.3	175.1
85°	11.5	13.7	50.0	62.8	41.6	41.1	279.9	285.2	243.6	91.1	48.2
87.5°	0.0	2.2	19.5	15.5	5.3	4.9	33.2	27.9	22.1	12.8	15.9
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1001.4	1001.4	1001.4	1001.4	1001.4	1001.4	1001.4	1001.4	1001.4	1001.4	1001.4
2.5°	1002.3	990.4	970.9	947.0	919.2	904.1	882.5	869.2	857.3	857.7	867.5
5°	1003.6	983.7	934.2	881.6	823.2	780.4	732.6	699.0	673.4	667.2	676.5
7.5°	1007.6	974.0	893.1	805.6	708.3	636.2	570.3	528.8	505.4	499.2	505.4
10°	1012.9	963.4	846.7	712.7	592.0	505.4	450.5	424.0	413.4	405.4	410.3
12.5°	1017.3	952.3	788.3	616.8	488.6	420.9	379.3	357.2	348.0	342.2	345.3
15°	1024.9	937.8	725.1	527.5	418.7	363.4	324.1	307.7	305.1	306.0	307.3
17.5°	1032.4	923.6	654.3	457.6	367.4	313.0	289.2	286.5	290.0	293.6	294.9
20°	1040.8	903.3	582.7	405.0	320.1	278.1	271.9	273.7	275.4	281.6	283.4
22.5°	1053.1	877.6	519.9	360.3	280.8	261.3	258.2	259.5	260.9	267.0	268.8
25°	1070.8	850.2	469.1	319.2	256.0	247.6	244.5	244.5	246.3	252.0	254.2
27.5°	1089.4	811.3	428.0	281.2	241.4	232.6	227.3	227.3	229.5	236.1	238.7
30°	1110.2	775.9	395.7	252.9	229.0	217.5	210.5	208.7	211.3	219.7	221.9
32.5°	1147.8	752.9	372.7	239.6	218.0	203.8	194.1	189.2	191.9	201.6	204.3
35°	1204.8	747.6	356.8	233.0	207.4	191.4	177.7	170.2	172.4	182.6	185.7
37.5°	1271.6	758.7	341.3	224.2	197.2	179.5	161.4	151.6	155.2	164.5	167.1
40°	1367.5	804.7	329.4	217.5	187.0	165.4	145.0	135.3	141.0	149.0	150.3
42.5°	1483.3	886.5	326.3	211.3	174.6	150.3	130.0	122.9	127.3	134.8	136.2
45°	1627.0	990.8	340.4	203.4	160.9	135.7	118.0	114.1	115.4	122.9	126.4
47.5°	1781.3	1097.8	379.3	196.3	149.0	123.8	108.8	105.2	104.3	111.4	115.8
50°	1937.4	1192.9	425.3	191.0	140.6	114.1	101.7	97.3	95.1	99.5	101.2
52.5°	2091.7	1268.5	455.4	182.2	132.2	104.3	95.5	88.9	84.9	87.1	88.9
55°	2248.2	1334.8	457.2	168.9	124.2	98.2	89.3	81.8	76.9	76.9	77.8
57.5°	2394.6	1393.1	431.1	151.2	113.2	92.4	80.9	74.7	69.4	67.6	68.1
60°	2524.1	1436.5	387.7	131.3	103.5	84.9	72.5	67.6	61.0	57.5	56.6
62.5°	2639.5	1457.7	328.5	111.0	91.5	76.0	64.6	59.2	50.4	46.0	45.5
65°	2737.2	1436.0	266.6	92.0	81.4	66.3	55.3	50.0	40.2	34.9	34.9
67.5°	2834.0	1337.0	201.6	77.4	70.7	55.7	45.5	40.7	33.6	29.2	29.2
70°	2846.4	1128.8	141.0	65.0	58.8	42.9	36.7	33.6	27.4	23.4	23.0
72.5°	2533.8	812.2	85.8	53.1	46.0	30.5	29.2	26.5	20.3	17.7	17.2
75°	2025.4	497.8	50.4	39.8	30.5	21.7	21.7	19.0	13.7	11.5	11.5
77.5°	1399.8	260.4	29.6	25.6	18.1	12.8	14.1	11.5	6.6	5.3	5.3
80°	560.6	99.0	15.9	11.9	8.4	5.7	4.9	2.7	1.3	0.9	1.3
82.5°	111.9	26.1	5.3	3.1	3.1	1.3	0.0	0.0	0.0	0.0	0.0
85°	28.7	5.7	1.3	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	8.8	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)