

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: P948058

Luminaire Tested: **GALN-SB3B-722-U-T2U-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948058
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)
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-T2U-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10666 lumens
Efficiency: N/A
Efficacy: 97.7 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

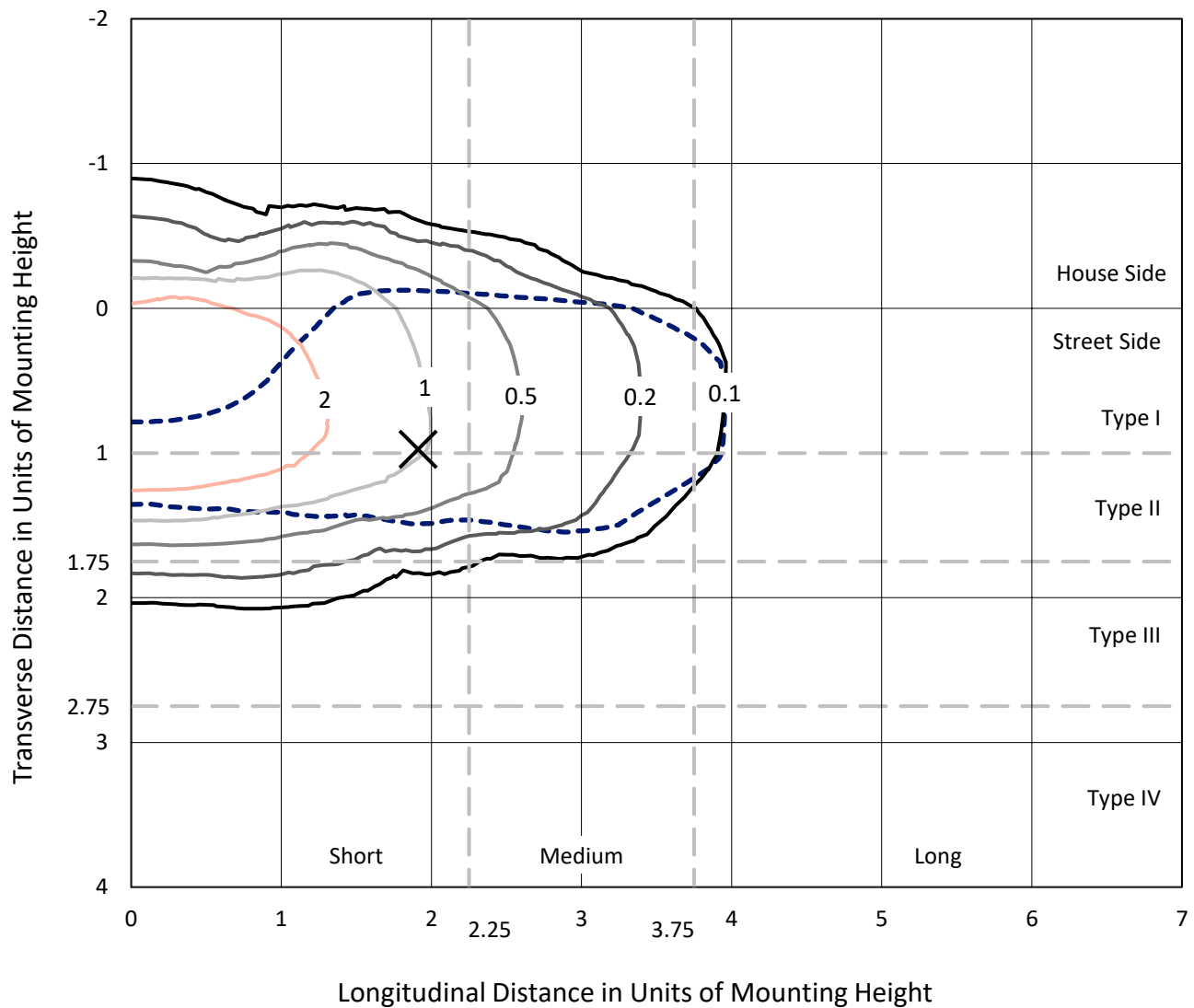


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Iso-Footcandle Lines of Horizontal Illumination

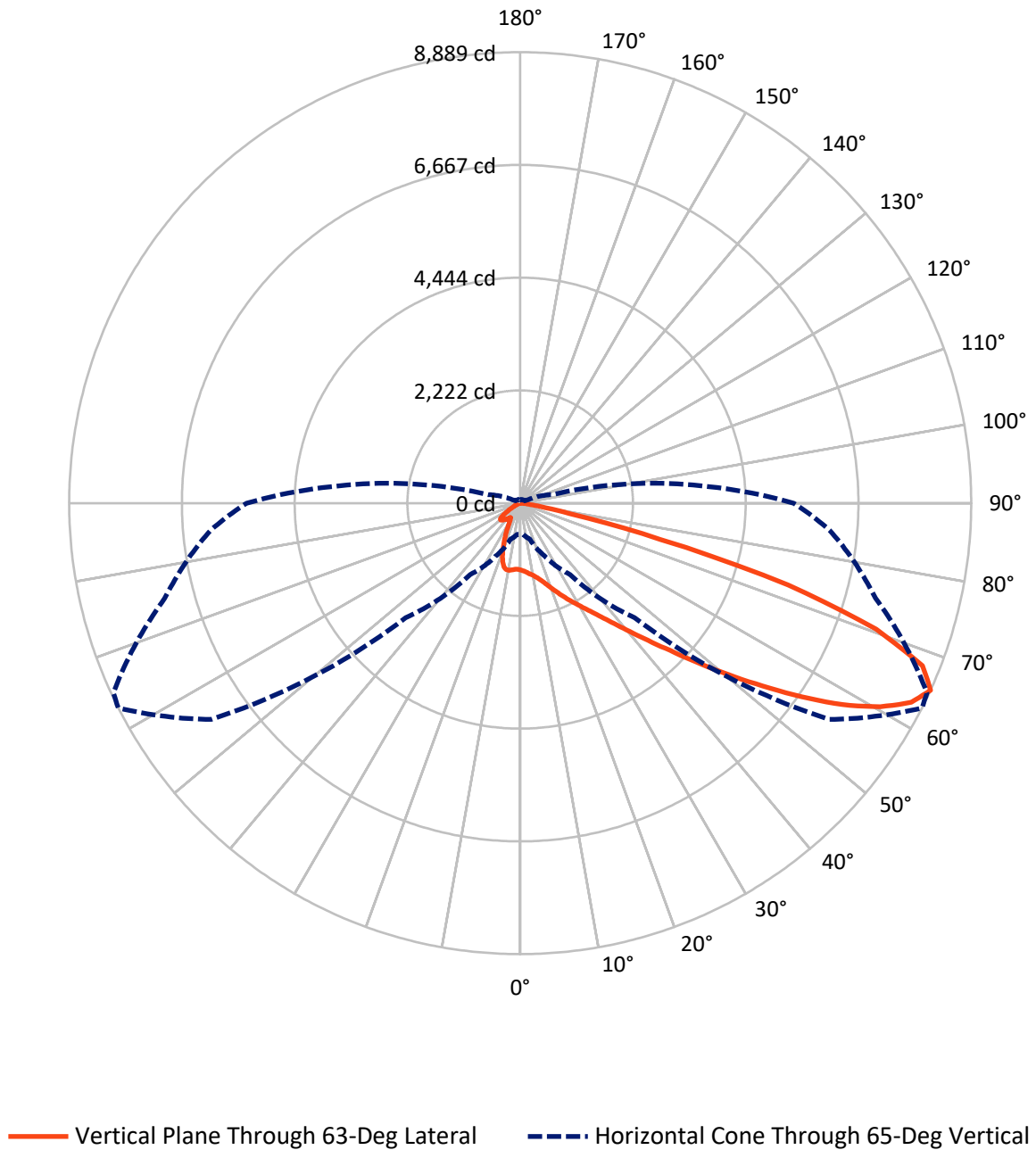
✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1567.8	0.0	1567.8
	% Fixture	14.7	0.0	14.7
Street Side	Lumens	9098.2	0.0	9098.2
	% Fixture	85.3	0.0	85.3
Total	Lumens	10666.0	0.0	10666.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.0	1.2
10°-20°	344.1	3.2
20°-30°	599.2	5.6
30°-40°	1080.0	10.1
40°-50°	2142.1	20.1
50°-60°	2917.8	27.4
60°-70°	2329.0	21.8
70°-80°	1053.9	9.9
80°-90°	75.8	0.7
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°	10666.0	100.0
0°-180°	10666.0	100.0

Coefficient of Utilization



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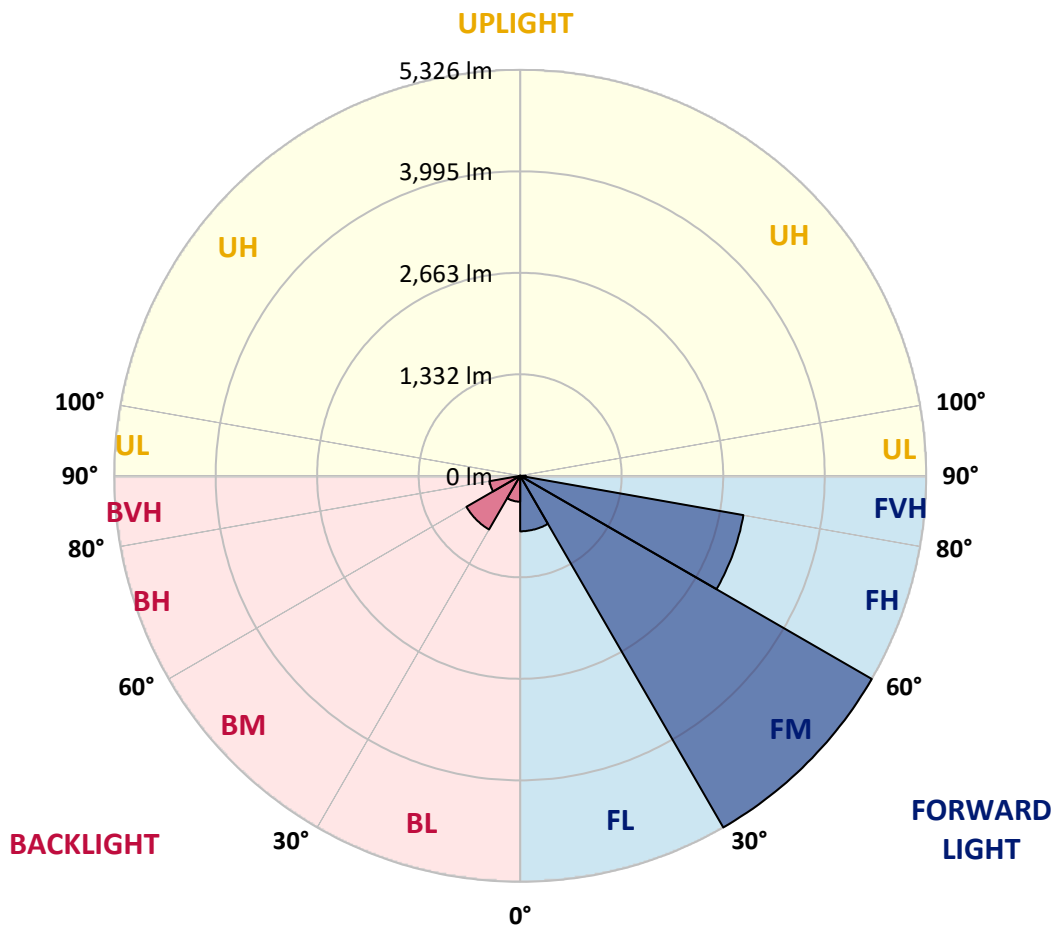
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	728.1	6.8			
FM	(30°-60°)	5326.3	49.9			
FH	(60°-80°)	2973.6	27.9			G2/5000
FVH	(80°-90°)	70.1	0.7			G1/100
BL	(0°-30°)	339.3	3.2	B1/500		
BM	(30°-60°)	813.6	7.6	B1/1000		
BH	(60°-80°)	409.3	3.8	B1/500		G1/500
BVH	(80°-90°)	5.6	0.1			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°	63°	65°	75°	85°
0°	1316.4	1316.4	1316.4	1316.4	1316.4	1316.4	1316.4	1316.4	1316.4	1316.4	1316.4
2.5°	1347.2	1343.5	1348.7	1346.5	1345.0	1342.1	1340.6	1339.1	1336.2	1334.0	1325.2
5°	1350.9	1348.7	1353.8	1358.2	1362.6	1367.0	1369.2	1372.2	1369.2	1363.3	1354.5
7.5°	1320.1	1318.6	1329.6	1342.8	1362.6	1379.5	1397.8	1408.1	1408.8	1406.6	1397.1
10°	1317.9	1314.2	1325.2	1341.3	1367.0	1397.1	1429.4	1451.4	1454.3	1463.9	1453.6
12.5°	1352.3	1348.7	1364.1	1381.7	1408.1	1439.7	1479.3	1510.1	1514.5	1527.7	1520.4
15°	1410.3	1405.2	1422.8	1445.5	1479.3	1515.2	1557.1	1584.9	1588.6	1604.8	1591.6
17.5°	1477.8	1472.7	1493.2	1517.4	1554.1	1603.3	1651.7	1682.5	1686.9	1697.2	1673.0
20°	1564.4	1557.8	1573.9	1596.0	1634.8	1693.5	1751.5	1795.5	1794.8	1794.8	1755.2
22.5°	1664.9	1654.7	1668.6	1686.2	1722.9	1794.1	1871.1	1923.2	1923.2	1902.7	1837.4
25°	1772.8	1762.5	1777.9	1794.1	1826.4	1907.1	1997.3	2061.9	2064.8	2029.6	1925.4
27.5°	1907.8	1894.6	1906.3	1925.4	1944.5	2026.7	2133.8	2208.7	2210.1	2155.8	2009.1
30°	2167.6	2130.1	2093.4	2072.9	2081.7	2163.2	2277.6	2360.5	2367.9	2293.0	2100.1
32.5°	2643.0	2635.7	2506.6	2337.8	2249.7	2309.9	2438.3	2538.1	2542.5	2446.4	2218.2
35°	3382.0	3373.1	3165.5	2844.1	2557.2	2506.6	2633.5	2751.6	2748.7	2640.1	2371.5
37.5°	4263.9	4255.9	3982.2	3552.2	3087.7	2803.7	2885.2	3009.2	3027.5	2885.2	2569.7
40°	5017.5	4987.4	4814.3	4399.7	3792.1	3296.8	3243.3	3325.5	3344.5	3175.8	2821.4
42.5°	5588.4	5562.7	5474.7	5215.6	4644.8	4026.2	3665.2	3696.7	3718.0	3515.5	3110.5
45°	5884.1	5878.2	5913.5	5889.2	5513.6	4921.4	4268.3	4137.0	4145.1	3891.9	3438.5
47.5°	5925.9	5923.0	6083.7	6311.2	6260.5	5931.1	5042.5	4685.9	4657.2	4316.8	3795.1
50°	5679.4	5673.5	5981.7	6408.0	6759.5	6779.3	5921.5	5304.4	5241.3	4756.3	4167.1
52.5°	4892.1	4890.6	5396.9	6106.4	6934.9	7521.9	6790.3	5983.9	5878.2	5221.5	4560.4
55°	3764.2	3791.4	4371.8	5210.5	6614.9	7879.2	7570.3	6738.2	6576.1	5689.7	4922.9
57.5°	2666.5	2706.1	3280.0	4026.9	5622.9	7667.9	8097.9	7494.0	7319.4	6156.3	5290.5
60°	1432.3	1467.5	2042.1	2933.6	4183.2	6879.8	8376.0	8150.0	7984.9	6599.5	5622.2
62.5°	853.4	865.1	1102.9	1893.9	2829.4	5256.0	8257.9	8649.7	8513.9	6971.6	5910.5
65°	612.7	614.9	734.5	1156.4	1717.8	3193.4	7429.4	8888.9	8847.1	7251.9	6124.1
67.5°	515.8	514.4	564.3	768.3	1170.4	1599.6	5694.1	8550.6	8728.2	7429.4	6245.1
70°	442.5	444.7	503.4	562.8	879.8	905.5	2830.9	7444.8	7823.5	7476.4	6237.8
72.5°	329.5	336.8	391.1	512.9	664.1	623.0	977.4	5520.2	6204.8	7044.2	5914.2
75°	232.6	236.3	275.2	431.5	495.3	453.5	499.0	2853.6	3731.2	5400.6	4840.7
77.5°	179.0	185.6	208.4	301.6	488.0	318.5	305.2	987.7	1517.4	3262.3	3318.8
80°	96.9	108.6	150.4	217.9	342.7	225.3	151.2	393.3	514.4	1525.5	1279.7
82.5°	49.9	55.8	104.9	157.0	195.2	196.7	74.8	163.6	212.1	471.1	175.4
85°	19.8	24.2	70.4	86.6	100.5	96.9	33.8	66.0	76.3	130.6	53.6
87.5°	4.4	7.3	25.7	19.8	19.1	20.5	8.1	15.4	14.7	15.4	9.5
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°	1316.4	1316.4	1316.4	1316.4	1316.4	1316.4	1316.4	1316.4	1316.4	1316.4	1316.4
2.5°	1324.5	1321.5	1313.5	1304.6	1294.4	1288.5	1284.8	1284.1	1279.0	1275.3	1279.0
5°	1346.5	1343.5	1328.1	1309.8	1290.0	1274.6	1259.9	1246.7	1227.6	1223.9	1222.5
7.5°	1390.5	1382.4	1357.5	1332.5	1295.1	1250.3	1196.0	1133.7	1077.9	1061.0	1053.0
10°	1444.8	1433.8	1402.2	1358.2	1275.3	1153.5	1022.1	900.3	803.5	776.3	766.1
12.5°	1506.4	1496.9	1455.1	1373.6	1192.4	971.5	770.5	619.3	525.4	501.9	495.3
15°	1579.8	1565.9	1507.9	1350.1	1044.2	738.2	529.0	439.5	405.8	401.4	397.0
17.5°	1657.6	1634.8	1554.9	1265.8	844.6	524.6	408.7	383.0	368.4	364.0	361.7
20°	1728.8	1699.4	1582.7	1138.1	631.0	408.7	366.2	349.3	336.1	330.9	328.0
22.5°	1799.9	1758.1	1582.7	964.2	473.3	362.5	336.1	320.7	305.2	298.6	295.0
25°	1874.1	1818.3	1554.9	770.5	380.8	332.4	307.5	290.6	277.4	269.3	266.4
27.5°	1946.0	1868.9	1491.0	587.0	339.0	306.0	281.0	264.9	252.4	246.5	246.5
30°	2014.2	1918.8	1401.5	445.4	311.9	280.3	256.8	242.9	230.4	224.5	225.3
32.5°	2106.7	1981.9	1306.1	365.4	288.4	256.1	234.8	221.6	210.6	206.2	206.2
35°	2235.1	2075.1	1223.9	358.8	268.6	236.3	215.0	202.5	191.5	187.8	187.8
37.5°	2417.0	2225.5	1180.6	402.8	252.4	218.7	198.9	185.6	175.4	172.4	171.7
40°	2641.6	2429.5	1204.1	446.9	241.4	203.3	184.2	171.0	162.2	158.5	157.8
42.5°	2907.9	2681.2	1334.0	480.6	234.1	190.0	170.2	155.6	149.7	148.2	148.2
45°	3213.9	2957.8	1532.8	516.6	222.3	177.6	156.3	145.3	140.9	140.2	139.4
47.5°	3561.7	3261.6	1763.3	561.3	210.6	165.8	145.3	137.9	134.3	132.8	132.8
50°	3906.6	3567.6	2000.3	586.3	201.1	154.8	136.5	130.6	127.7	126.9	126.9
52.5°	4267.6	3882.4	2191.8	562.8	193.0	146.0	129.1	124.7	121.8	121.1	121.1
55°	4611.8	4137.0	2224.8	477.7	176.8	137.2	121.1	118.9	115.2	115.2	114.5
57.5°	4908.2	4264.7	1991.5	350.7	160.7	124.0	113.0	110.8	107.9	107.1	106.4
60°	5180.4	4228.0	1537.3	236.3	143.1	110.8	102.7	101.3	98.3	94.7	93.9
62.5°	5333.8	4066.6	1051.5	154.1	125.5	96.9	91.0	90.3	83.6	76.3	74.8
65°	5391.8	3734.9	656.0	112.3	104.9	82.9	78.5	77.0	67.5	59.4	58.7
67.5°	5341.1	3189.0	330.9	88.8	82.9	69.0	64.6	64.6	58.0	50.6	49.9
70°	5138.6	2390.6	139.4	71.2	63.8	52.8	52.8	55.8	49.2	41.1	40.4
72.5°	4699.1	1608.4	74.1	54.3	47.7	37.4	43.3	45.5	38.9	30.8	30.8
75°	3735.6	981.1	51.4	40.4	30.1	26.4	33.0	34.5	26.4	20.5	19.8
77.5°	2555.0	563.5	34.5	25.7	19.1	15.4	22.7	21.3	13.9	9.5	10.3
80°	1121.9	234.8	19.8	11.7	7.3	5.9	8.1	5.9	4.4	2.9	2.9
82.5°	131.3	55.0	7.3	4.4	2.9	1.5	0.7	0.0	0.0	0.0	0.0
85°	27.1	6.6	3.7	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.1	1.5	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	0.0

(END OF REPORT)