

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: P948062

Luminaire Tested: **GALN-SB3B-722-U-T4W-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948062
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)
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-T4W-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10751 lumens
Efficiency: N/A
Efficacy: 98.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

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

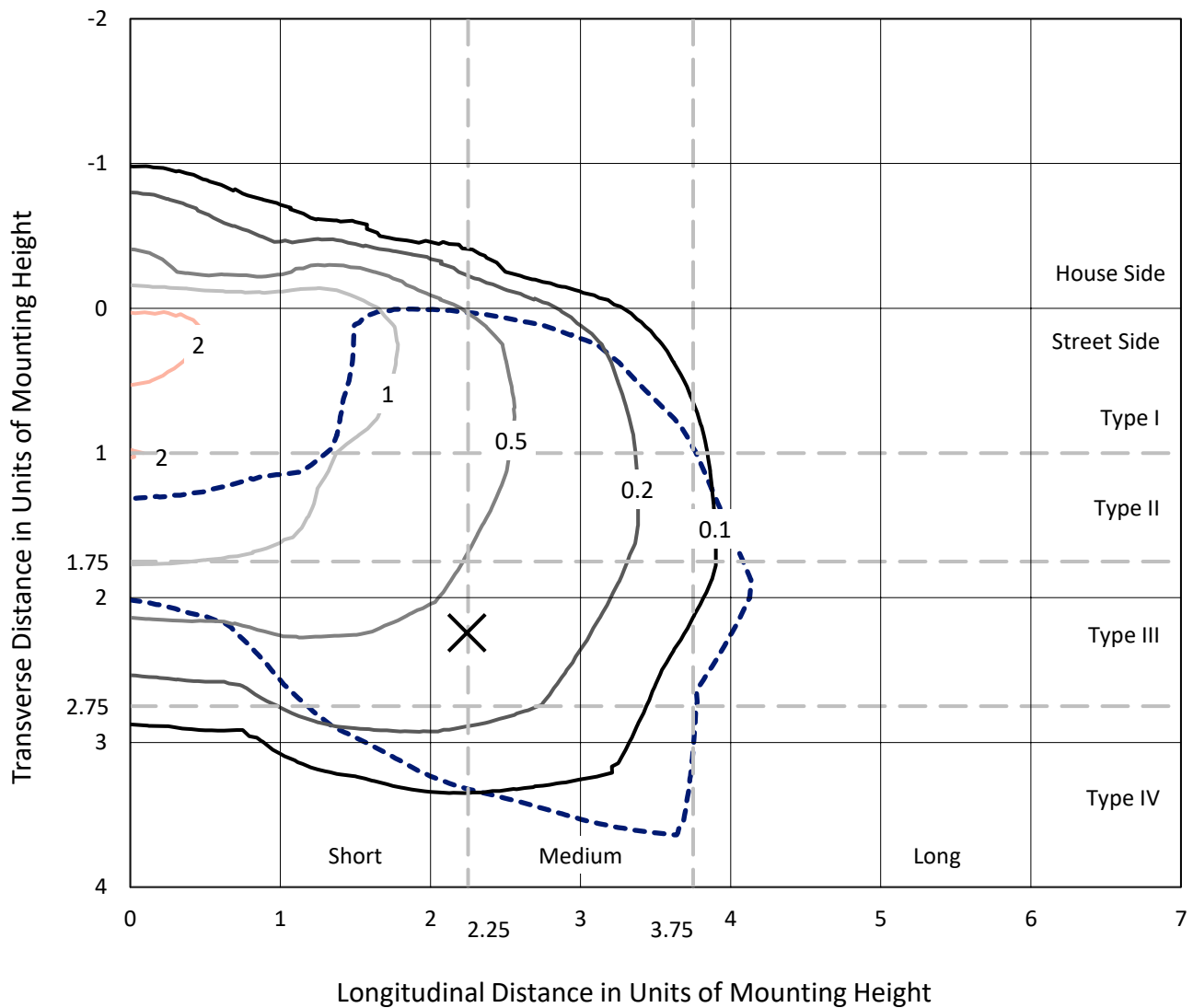


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Iso-Footcandle Lines of Horizontal Illumination

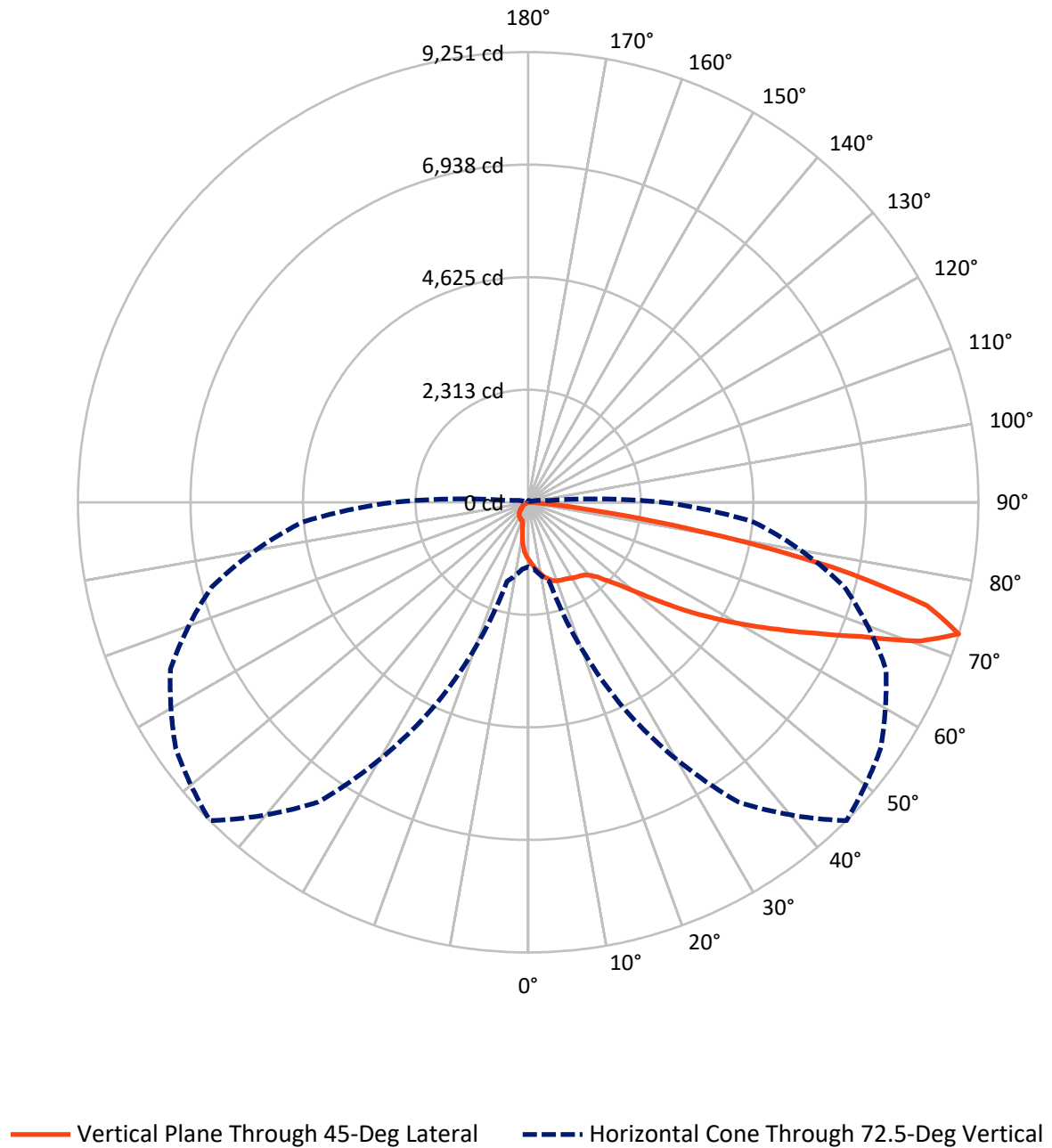
× Max cd
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 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	1129.6	0.0	1129.6
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	9621.4	0.0	9621.4
	% Fixture	89.5	0.0	89.5
Total	Lumens	10751.0	0.0	10751.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.0	1.0
10°-20°	324.3	3.0
20°-30°	532.6	5.0
30°-40°	755.3	7.0
40°-50°	1248.5	11.6
50°-60°	2242.8	20.9
60°-70°	3114.2	29.0
70°-80°	2259.0	21.0
80°-90°	163.3	1.5
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°	10751.0	100.0
0°-180°	10751.0	100.0

Coefficient of Utilization



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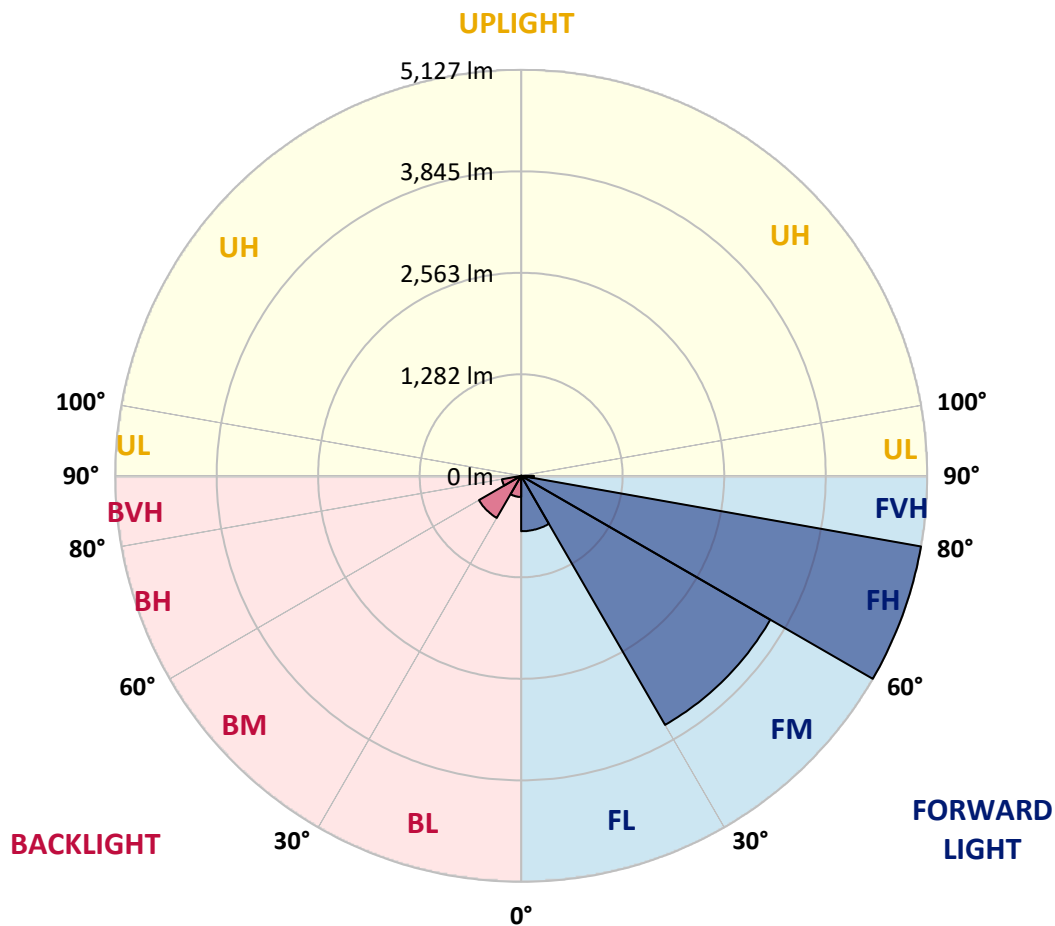
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	700.3	6.5			
FM	(30°-60°)	3632.3	33.8			
FH	(60°-80°)	5126.8	47.7			G3/7500
FVH	(80°-90°)	161.9	1.5			G2/225
BL	(0°-30°)	267.6	2.5	B1/500		
BM	(30°-60°)	614.4	5.7	B1/1000		
BH	(60°-80°)	246.3	2.3	B1/500		G1/500
BVH	(80°-90°)	1.4	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-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	1177.8	1177.8	1177.8	1177.8	1177.8	1177.8	1177.8	1177.8	1177.8	1177.8	1177.8
2.5°	1286.4	1288.6	1287.1	1278.3	1263.7	1255.6	1251.2	1236.5	1227.0	1210.1	1192.5
5°	1404.5	1413.4	1408.2	1390.6	1362.7	1342.9	1337.0	1306.9	1279.8	1248.2	1211.6
7.5°	1530.0	1534.4	1524.9	1502.1	1464.7	1431.0	1425.8	1384.0	1340.7	1292.3	1242.4
10°	1638.6	1643.8	1629.1	1596.1	1553.5	1511.7	1504.3	1458.1	1406.7	1347.3	1283.5
12.5°	1729.6	1734.8	1715.7	1676.1	1629.1	1585.8	1578.5	1530.0	1473.5	1407.5	1328.2
15°	1798.6	1808.2	1782.5	1739.9	1689.3	1646.0	1642.3	1594.6	1539.6	1466.2	1381.8
17.5°	1839.0	1848.5	1824.3	1772.9	1729.6	1692.9	1688.5	1648.9	1597.5	1527.1	1433.9
20°	1845.6	1854.4	1828.7	1783.9	1748.0	1718.6	1716.4	1687.8	1650.4	1582.9	1490.4
22.5°	1825.8	1836.8	1813.3	1777.3	1752.4	1737.0	1734.0	1717.9	1696.6	1639.4	1543.2
25°	1805.2	1814.0	1796.4	1764.9	1751.6	1750.2	1752.4	1749.4	1745.0	1696.6	1604.9
27.5°	1803.8	1813.3	1793.5	1763.4	1756.1	1771.5	1773.7	1787.6	1791.3	1748.7	1664.3
30°	1816.2	1822.8	1803.8	1772.2	1768.5	1803.8	1804.5	1829.4	1835.3	1792.7	1723.0
32.5°	1843.4	1850.7	1831.6	1785.4	1780.3	1829.4	1831.6	1864.7	1874.2	1839.7	1784.7
35°	1907.2	1916.0	1894.0	1822.1	1803.8	1853.7	1860.3	1899.1	1918.2	1889.6	1848.5
37.5°	2066.5	2040.8	2010.7	1896.2	1857.3	1891.8	1902.8	1948.3	1982.1	1949.0	1924.8
40°	2462.0	2381.3	2287.3	2022.4	1951.3	1973.3	1982.1	2027.6	2073.8	2041.5	2029.8
42.5°	3055.7	2960.3	2809.1	2313.0	2092.9	2103.9	2110.5	2150.1	2215.4	2189.7	2192.7
45°	3584.8	3550.3	3396.2	2809.1	2357.8	2303.5	2311.6	2332.1	2428.2	2418.7	2437.8
47.5°	3991.3	3971.5	3852.6	3378.5	2805.4	2547.9	2570.6	2580.1	2718.8	2752.6	2804.0
50°	4303.9	4296.6	4190.2	3884.9	3390.3	2908.2	2916.2	2895.7	3103.4	3187.0	3284.6
52.5°	4598.9	4623.9	4545.3	4355.3	4014.8	3380.0	3378.5	3281.7	3562.0	3688.2	3854.8
55°	4865.3	4874.1	4882.2	4835.2	4642.9	3917.2	3903.2	3744.7	4094.0	4224.7	4405.2
57.5°	5115.5	5119.2	5191.1	5287.2	5296.8	4494.0	4468.3	4278.2	4675.2	4768.4	4879.2
60°	5283.6	5300.4	5452.3	5719.5	5836.1	5089.1	5075.2	4881.4	5266.7	5310.0	5289.4
62.5°	5041.4	5144.1	5527.2	6057.0	6345.4	5748.8	5742.2	5560.2	5889.0	5853.8	5677.6
65°	4080.8	4254.7	4928.4	6285.2	6845.2	6485.6	6495.1	6301.4	6528.1	6413.7	5993.2
67.5°	2854.6	3038.1	3835.0	6303.6	7403.6	7350.8	7405.8	7102.0	7206.9	6950.1	6068.0
70°	1974.0	2068.7	2587.5	5908.8	7838.8	8542.5	8541.0	8085.3	7882.1	7194.5	5686.4
72.5°	1327.5	1376.7	1680.5	4687.7	7518.8	9250.6	9208.1	8836.8	8109.5	6728.5	4645.9
75°	559.9	595.9	777.9	2634.4	5948.4	8463.2	8348.0	7809.4	7205.5	5298.2	2898.6
77.5°	177.6	193.0	306.7	943.0	3276.5	6361.6	6239.7	4877.0	4829.3	2657.9	1059.6
80°	84.4	98.3	172.4	378.7	1289.3	3460.0	3443.1	2212.5	2077.5	717.7	212.8
82.5°	36.7	43.3	95.4	202.5	576.8	1234.3	1259.2	752.9	623.0	272.3	65.3
85°	11.7	15.4	44.0	93.2	243.6	306.7	303.1	179.1	251.0	148.2	22.7
87.5°	0.0	0.0	14.7	21.3	25.0	17.6	19.8	15.4	69.7	41.1	8.1
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°	1177.8	1177.8	1177.8	1177.8	1177.8	1177.8	1177.8	1177.8	1177.8	1177.8	1177.8
2.5°	1183.7	1171.9	1151.4	1132.3	1115.4	1098.5	1088.3	1073.6	1072.1	1072.1	1075.8
5°	1191.7	1172.7	1136.0	1097.1	1052.3	1009.7	967.2	926.1	912.9	903.3	907.7
7.5°	1215.2	1185.1	1127.2	1053.0	967.9	874.7	809.4	739.0	711.8	697.1	699.3
10°	1249.0	1207.9	1119.8	989.9	852.0	725.0	631.8	555.5	526.2	513.7	513.7
12.5°	1286.4	1235.8	1106.6	911.4	725.0	573.1	482.1	446.9	442.5	442.5	442.5
15°	1331.2	1269.5	1083.9	819.0	592.2	453.5	421.2	422.7	427.1	430.0	430.0
17.5°	1377.4	1305.5	1047.9	715.5	474.8	408.0	408.7	410.9	414.6	417.5	417.5
20°	1427.3	1341.4	1000.2	605.4	407.3	394.8	397.0	399.2	402.1	403.6	404.3
22.5°	1480.9	1375.2	943.7	497.5	384.5	383.8	384.5	386.7	390.4	390.4	391.9
25°	1538.1	1412.6	879.1	419.0	372.8	372.8	374.3	375.7	378.7	378.7	379.4
27.5°	1596.8	1447.1	810.9	377.9	362.5	361.8	361.8	364.0	365.4	366.2	366.9
30°	1661.4	1487.5	742.6	369.1	354.4	350.8	348.6	350.0	351.5	352.2	353.7
32.5°	1727.4	1526.4	681.7	372.8	346.4	339.8	332.4	331.0	331.0	333.9	336.1
35°	1800.8	1568.9	634.8	385.3	342.0	323.6	311.9	305.3	306.0	310.4	312.6
37.5°	1888.9	1620.3	600.3	396.3	339.0	305.3	286.2	278.1	273.0	278.1	276.7
40°	2004.1	1695.9	575.3	405.1	335.4	284.0	258.3	245.1	235.6	238.5	237.0
42.5°	2173.6	1814.8	565.8	405.8	327.3	259.0	229.7	212.1	198.1	198.9	195.9
45°	2411.4	2002.6	614.9	396.3	309.7	231.9	199.6	176.1	167.3	165.1	162.2
47.5°	2737.2	2276.3	728.7	376.5	284.0	205.5	170.2	150.4	143.8	140.2	138.0
50°	3173.8	2627.8	854.9	354.4	258.3	180.5	146.0	133.6	129.2	125.5	124.8
52.5°	3680.2	2984.5	958.4	332.4	232.6	158.5	130.6	123.3	119.6	116.7	115.9
55°	4144.7	3230.3	952.5	308.9	207.7	140.9	119.6	115.2	110.8	107.9	106.4
57.5°	4433.8	3264.8	785.2	283.3	179.1	127.0	109.3	106.4	101.3	97.6	96.9
60°	4566.6	3068.1	550.4	249.5	150.4	113.7	98.3	96.9	90.3	85.1	83.7
62.5°	4590.8	2702.7	366.9	207.7	125.5	101.3	87.3	85.1	76.3	67.5	63.1
65°	4492.5	2180.2	253.9	162.2	107.1	88.1	74.9	70.4	60.9	52.1	49.2
67.5°	4181.4	1530.8	176.9	116.7	91.0	69.7	59.4	58.0	50.6	43.3	41.1
70°	3611.2	872.5	118.1	87.3	71.9	47.7	47.0	48.4	41.1	35.2	32.3
72.5°	2768.7	399.2	73.4	63.8	49.2	32.3	37.4	38.2	31.6	26.4	23.5
75°	1629.8	171.0	46.2	41.1	25.0	21.3	27.2	27.9	21.3	16.9	14.7
77.5°	554.8	64.6	29.4	24.2	12.5	11.7	17.6	17.6	11.7	6.6	5.1
80°	126.2	24.2	14.7	9.5	5.9	5.1	5.9	5.1	2.9	0.7	0.0
82.5°	36.0	9.5	5.9	3.7	2.2	2.2	0.7	0.0	0.0	0.0	0.0
85°	10.3	4.4	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.4	0.7	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)