

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: P940926

Luminaire Tested: **GALN-SB4B-722-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940926
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB4B-722-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

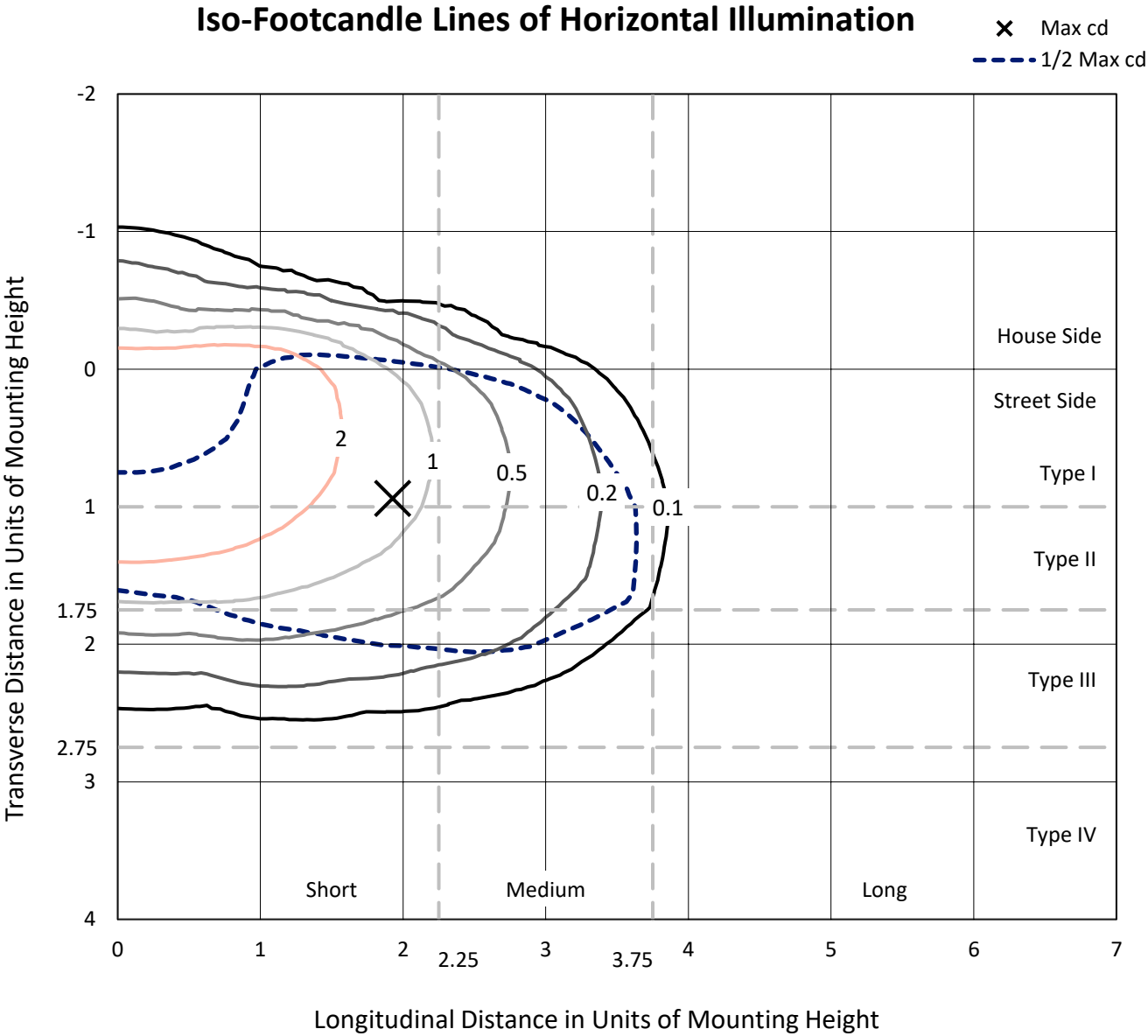
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14621 lumens
Efficiency: N/A
Efficacy: 99.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 147
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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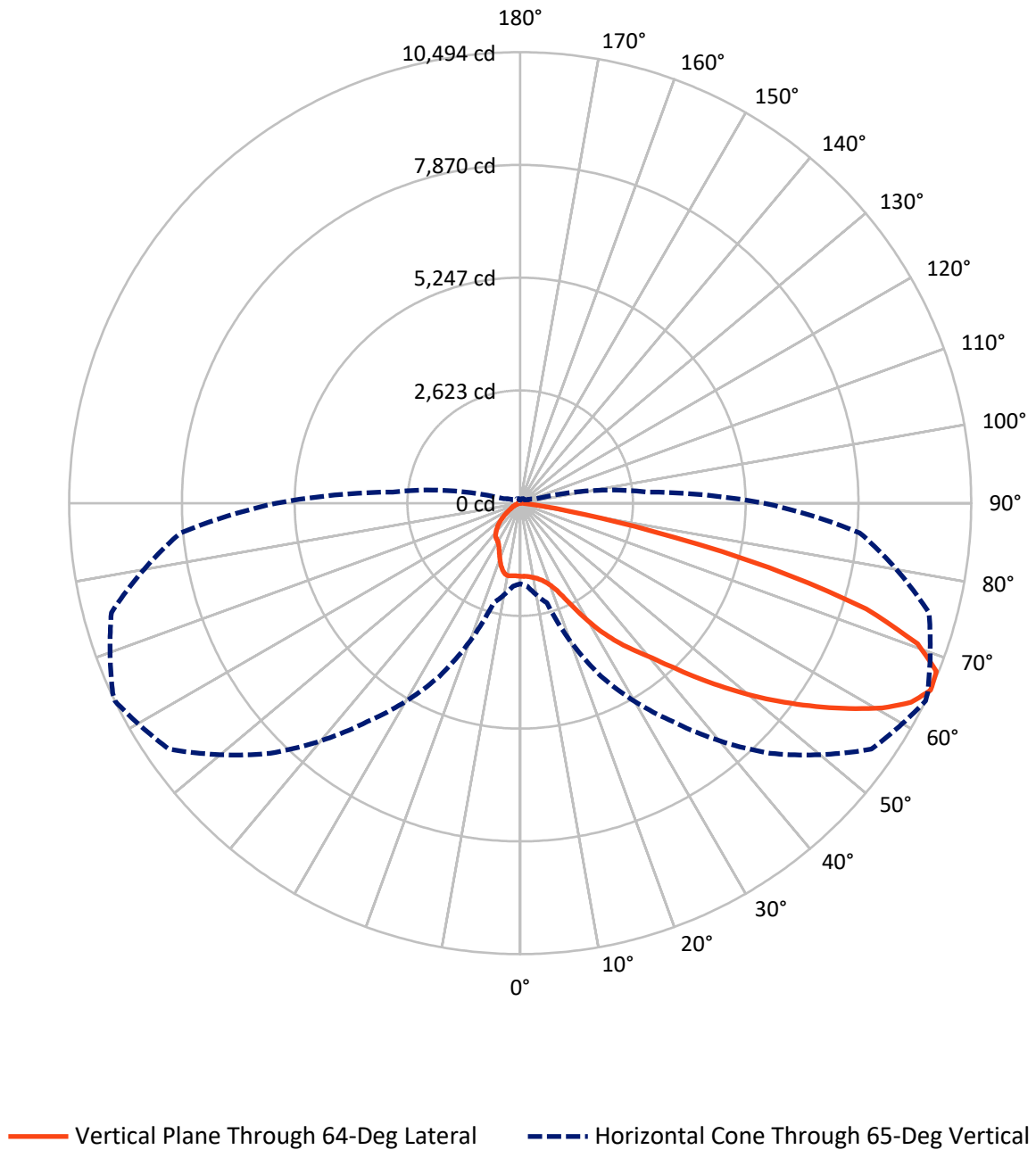


Based on 25 foot mounting height. Maximum calculated value = 4.3 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1955.3	0.0	1955.3
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	12665.7	0.0	12665.7
	% Fixture	86.6	0.0	86.6
Total	Lumens	14621.0	0.0	14621.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.9	1.1
10°-20°	425.5	2.9
20°-30°	806.4	5.5
30°-40°	1631.7	11.2
40°-50°	2779.6	19.0
50°-60°	3780.1	25.9
60°-70°	3549.7	24.3
70°-80°	1422.2	9.7
80°-90°	68.9	0.5
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°	14621.0	100.0
0°-180°	14621.0	100.0

Coefficient of Utilization



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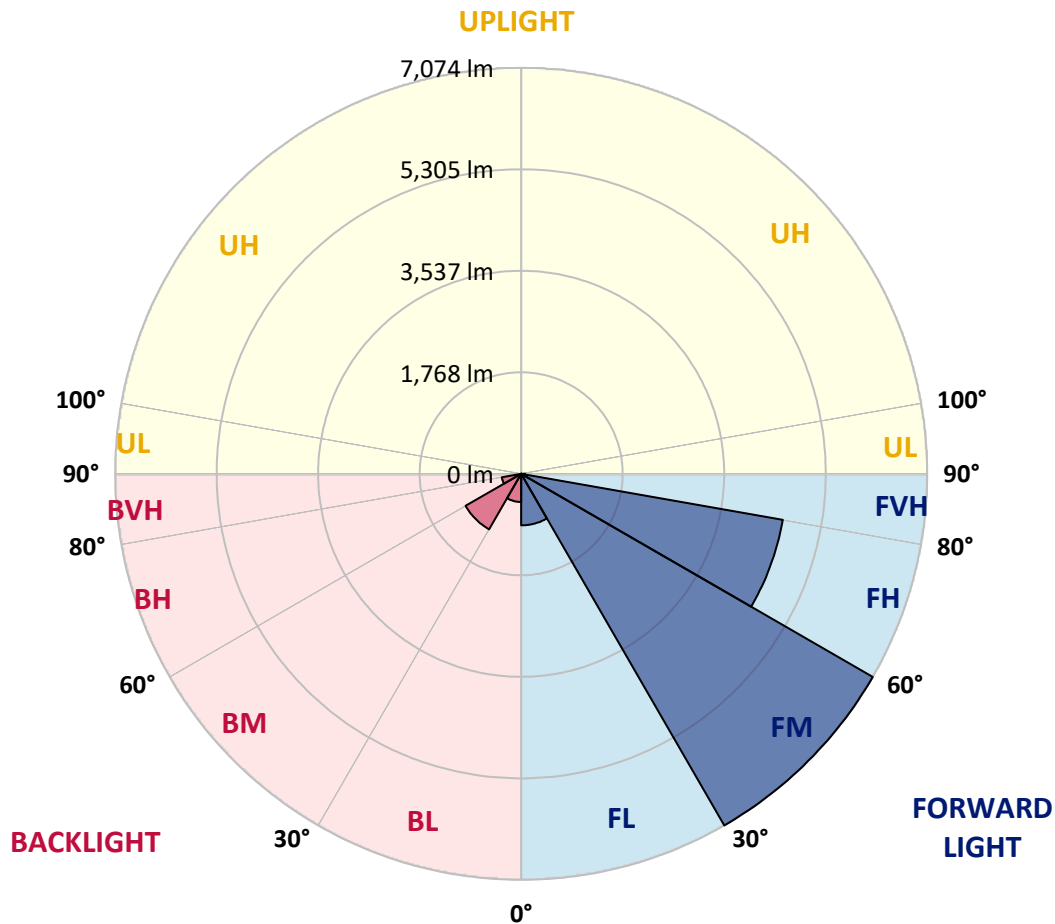
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	897.9	6.1			
FM	(30°-60°)	7073.6	48.4			
FH	(60°-80°)	4628.7	31.7			G2/5000
FVH	(80°-90°)	65.5	0.4			G1/100
BL	(0°-30°)	490.9	3.4	B1/500		
BM	(30°-60°)	1117.8	7.6	B2/2500		
BH	(60°-80°)	343.2	2.3	B1/500		G1/500
BVH	(80°-90°)	3.4	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1700.6	1700.6	1700.6	1700.6	1700.6	1700.6	1700.6	1700.6	1700.6	1700.6	1700.6
2.5°	1694.7	1706.5	1703.5	1700.6	1699.6	1701.6	1702.5	1701.6	1701.6	1701.6	1702.5
5°	1662.3	1672.1	1672.1	1679.0	1688.8	1700.6	1709.4	1711.4	1713.3	1716.3	1715.3
7.5°	1600.6	1608.4	1614.3	1636.9	1661.4	1692.7	1719.2	1732.9	1734.9	1745.7	1749.6
10°	1558.5	1568.3	1578.1	1601.6	1636.9	1683.9	1729.0	1762.3	1767.2	1792.7	1804.5
12.5°	1556.5	1566.3	1579.0	1604.5	1645.7	1695.7	1750.6	1798.6	1807.4	1844.7	1869.2
15°	1577.1	1588.8	1600.6	1632.0	1676.1	1736.8	1795.6	1855.4	1864.3	1917.2	1943.7
17.5°	1619.2	1634.9	1643.7	1675.1	1722.1	1789.8	1867.2	1935.8	1943.7	2005.4	2038.7
20°	1702.5	1721.2	1724.1	1749.6	1795.6	1868.2	1960.3	2045.6	2055.4	2126.0	2163.2
22.5°	1875.0	1901.5	1878.0	1890.7	1931.9	2004.4	2104.4	2212.2	2225.9	2306.3	2339.6
25°	2178.9	2216.1	2155.4	2133.8	2151.4	2226.9	2352.4	2488.6	2504.3	2569.0	2585.7
27.5°	2775.8	2727.8	2635.6	2545.5	2492.5	2535.7	2676.8	2845.4	2865.0	2927.7	2908.1
30°	3431.5	3389.4	3264.9	3065.0	2939.5	2932.6	3063.0	3251.2	3273.7	3333.5	3273.7
32.5°	4088.2	4048.1	3912.8	3666.8	3449.2	3341.4	3431.5	3640.3	3652.1	3690.3	3602.1
35°	4734.2	4693.0	4557.7	4305.8	4038.3	3793.2	3775.6	4010.8	4014.7	4054.9	3923.6
37.5°	5384.0	5349.7	5205.6	4958.6	4695.0	4356.8	4193.1	4361.7	4366.6	4405.8	4269.6
40°	5847.6	5862.3	5763.3	5572.2	5345.8	4976.3	4661.6	4735.1	4705.7	4771.4	4690.1
42.5°	6245.6	6275.0	6188.7	6092.7	5961.3	5635.9	5241.9	5229.1	5182.1	5217.4	5133.1
45°	6589.6	6614.1	6536.7	6514.1	6511.2	6282.8	5876.0	5799.6	5733.9	5727.1	5626.1
47.5°	6716.0	6763.1	6796.4	6871.9	7018.9	6922.9	6531.8	6413.2	6339.7	6285.8	6126.0
50°	6764.1	6814.1	6927.8	7147.3	7495.3	7536.4	7184.6	7051.3	6961.1	6863.1	6627.8
52.5°	6699.4	6788.6	6941.5	7311.0	7815.8	8028.5	7810.9	7694.2	7591.3	7431.6	7082.6
55°	6318.1	6407.3	6720.0	7309.0	7975.5	8373.5	8402.9	8350.9	8235.3	7983.4	7450.2
57.5°	5514.4	5646.7	6141.7	7060.1	7972.6	8670.5	8983.1	9020.4	8891.0	8530.3	7739.3
60°	4400.9	4580.3	5184.1	6508.2	7726.6	8831.2	9491.9	9678.1	9540.9	9069.4	7973.6
62.5°	3070.8	3278.6	3850.1	5643.7	7164.0	8715.6	9863.3	10207.4	10103.5	9551.6	8063.8
65°	1873.1	1939.7	2400.4	4441.1	6207.3	8231.4	9978.0	10493.6	10459.3	9846.7	7930.5
67.5°	1247.7	1303.6	1435.9	3045.4	4818.5	7264.0	9703.6	10443.6	10453.4	9798.6	7442.3
70°	751.8	799.8	886.1	1771.1	3122.8	5749.6	8853.8	9806.5	9863.3	9156.6	6517.1
72.5°	309.7	342.1	420.5	802.7	1617.3	3649.1	7050.3	8419.6	8551.9	7699.1	5001.7
75°	175.4	192.1	247.0	402.8	701.8	1700.6	4270.5	5977.0	6172.1	5306.6	3009.1
77.5°	116.6	124.5	159.8	260.7	395.0	580.3	1825.1	3114.0	3486.4	2898.3	1302.6
80°	78.4	85.3	109.8	174.5	256.8	249.0	581.2	1153.6	1419.3	995.8	317.6
82.5°	52.9	53.9	78.4	114.7	162.7	120.6	171.5	358.7	450.9	288.2	120.6
85°	30.4	29.4	57.8	66.7	72.5	50.0	51.9	107.8	141.1	121.5	68.6
87.5°	3.9	5.9	22.5	17.6	9.8	10.8	10.8	18.6	27.4	29.4	14.7
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°	1700.6	1700.6	1700.6	1700.6	1700.6	1700.6	1700.6	1700.6	1700.6	1700.6	1700.6
2.5°	1702.5	1701.6	1698.6	1695.7	1688.8	1684.9	1686.9	1684.9	1683.9	1684.9	1688.8
5°	1715.3	1712.3	1704.5	1694.7	1681.0	1664.3	1653.5	1637.8	1623.1	1614.3	1616.3
7.5°	1749.6	1746.6	1735.9	1708.4	1664.3	1594.7	1531.0	1475.1	1433.0	1408.5	1409.5
10°	1804.5	1799.6	1782.9	1722.1	1606.5	1454.6	1328.1	1223.2	1154.6	1122.3	1119.3
12.5°	1869.2	1863.3	1833.9	1709.4	1496.7	1259.5	1085.0	968.4	904.7	876.3	873.3
15°	1945.6	1937.8	1879.9	1648.6	1336.9	1043.9	884.1	796.9	755.7	730.2	731.2
17.5°	2040.7	2027.0	1914.2	1557.5	1163.4	879.2	760.6	694.9	658.7	634.2	632.2
20°	2164.2	2141.6	1941.7	1448.7	1003.7	775.3	677.3	622.4	595.0	573.4	569.5
22.5°	2336.7	2304.4	1975.0	1331.1	891.0	703.8	615.5	575.4	552.8	528.3	524.4
25°	2550.4	2512.1	2016.2	1222.3	813.5	642.0	570.5	537.1	510.7	482.2	479.3
27.5°	2849.3	2780.7	2065.2	1133.1	746.9	589.1	529.3	492.0	461.7	438.1	433.2
30°	3182.6	3069.9	2108.3	1079.2	686.1	540.1	475.4	438.1	409.7	393.0	390.1
32.5°	3498.2	3345.3	2136.7	1055.6	631.2	484.2	416.6	376.4	354.8	349.9	352.9
35°	3796.2	3594.2	2133.8	1033.1	582.2	428.3	358.7	317.6	300.9	303.8	303.8
37.5°	4139.2	3859.9	2113.2	997.8	542.0	377.4	308.7	272.5	257.8	258.8	262.7
40°	4538.1	4166.7	2100.5	931.2	497.9	330.3	267.6	238.2	227.4	223.5	222.5
42.5°	4963.5	4463.6	2102.4	855.7	443.0	288.2	239.2	214.7	204.9	201.9	200.9
45°	5390.9	4746.9	2105.4	777.3	385.2	255.8	218.6	198.0	192.1	188.2	188.2
47.5°	5792.7	4988.0	2050.5	693.0	328.4	231.3	201.9	188.2	183.3	178.4	178.4
50°	6167.2	5148.8	1918.2	595.0	283.3	211.7	189.2	179.4	174.5	169.6	169.6
52.5°	6458.3	5174.3	1699.6	494.0	251.9	197.0	181.3	172.5	166.6	161.7	160.7
55°	6587.6	5014.5	1388.9	399.9	227.4	184.3	173.5	164.7	157.8	152.9	151.9
57.5°	6554.3	4678.3	1083.1	321.5	203.9	171.5	163.7	157.8	150.0	142.1	141.1
60°	6390.6	4228.4	816.5	267.6	182.3	157.8	152.9	148.0	137.2	125.5	123.5
62.5°	6107.4	3662.9	582.2	221.5	158.8	142.1	140.2	136.2	120.6	99.0	97.0
65°	5674.1	2975.8	392.1	184.3	136.2	124.5	125.5	118.6	98.0	73.5	71.6
67.5°	5041.0	2176.0	250.9	150.9	113.7	103.9	104.9	101.0	83.3	62.7	59.8
70°	4234.3	1440.8	163.7	114.7	91.2	80.4	86.3	87.2	70.6	51.0	49.0
72.5°	3104.2	850.8	114.7	85.3	66.7	55.9	70.6	72.5	56.8	38.2	36.3
75°	1769.2	403.8	86.3	61.7	41.2	39.2	54.9	54.9	39.2	25.5	23.5
77.5°	743.0	168.6	60.8	40.2	23.5	22.5	37.2	34.3	19.6	11.8	11.8
80°	214.7	75.5	32.3	19.6	9.8	8.8	14.7	10.8	4.9	2.0	2.0
82.5°	84.3	33.3	12.7	7.8	3.9	3.9	2.0	0.0	0.0	0.0	0.0
85°	50.0	13.7	5.9	2.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	12.7	2.9	2.0	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)