

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: P940418

Luminaire Tested: **GALN-SB3C-722-U-T4FT-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940418
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-SB3C-722-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14054 lumens
Efficiency: N/A
Efficacy: 94.3 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): 149.1
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

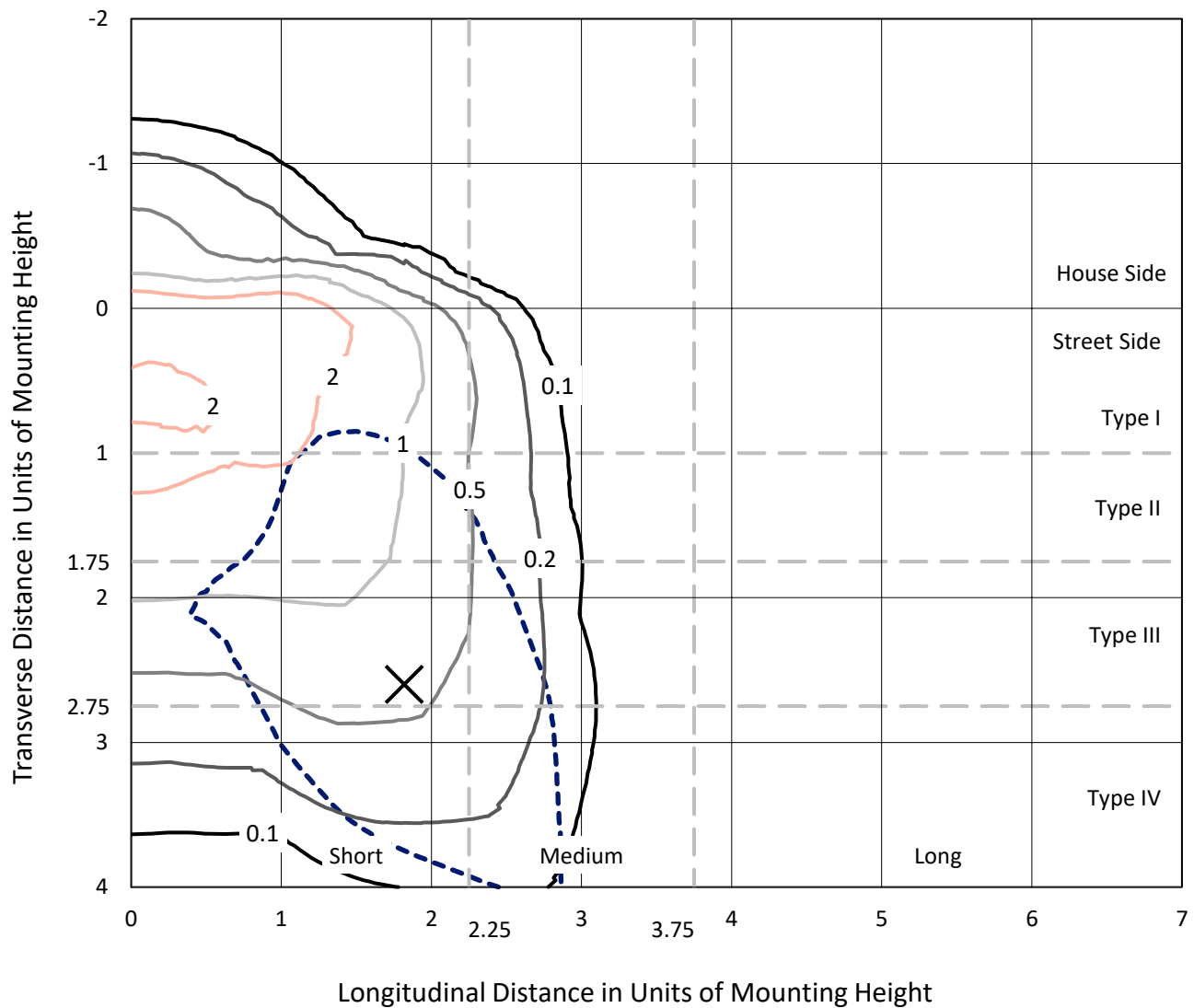


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Iso-Footcandle Lines of Horizontal Illumination

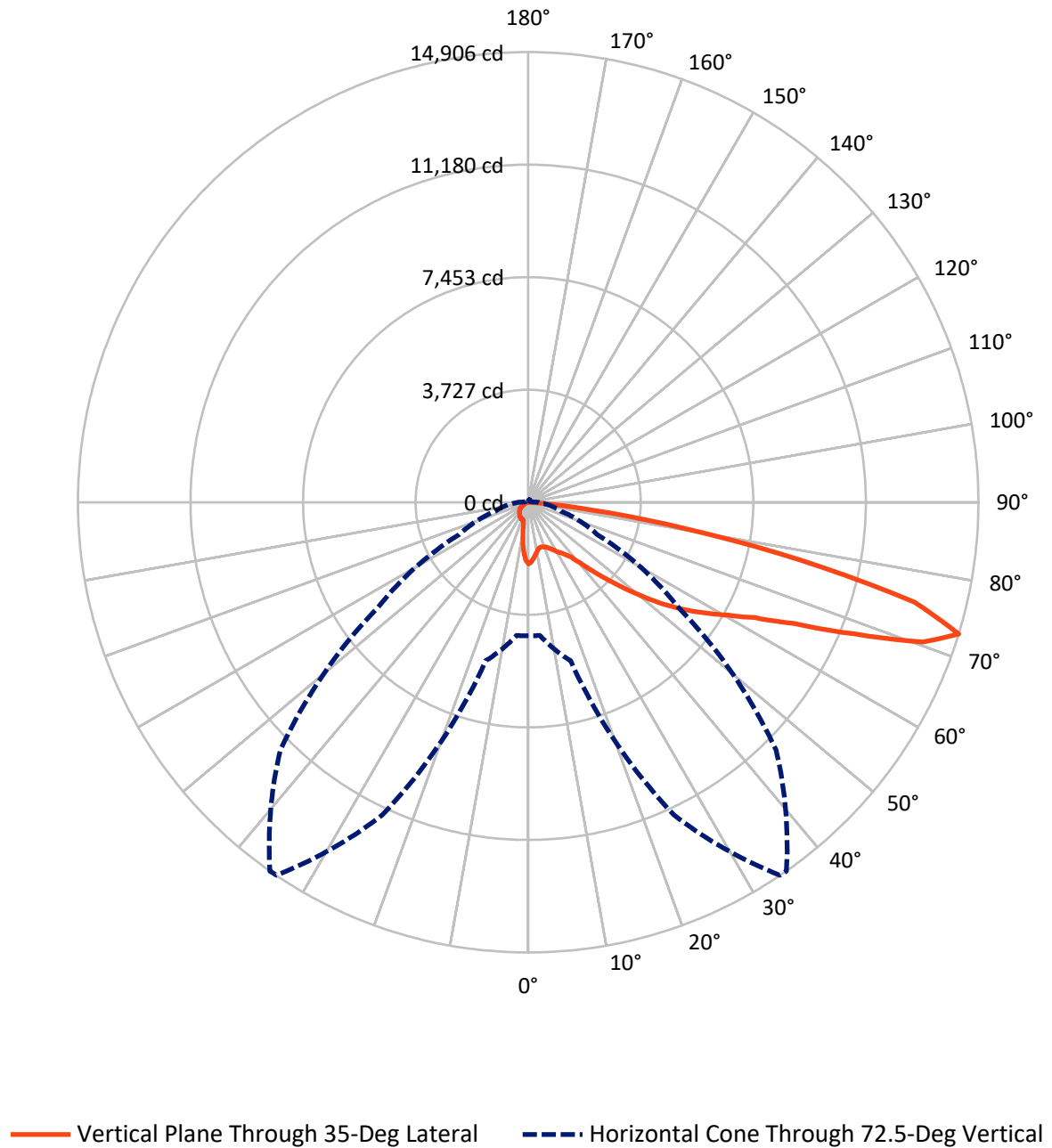
✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 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	1581.7	0.0	1581.7
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	12472.3	0.0	12472.3
	% Fixture	88.7	0.0	88.7
Total	Lumens	14054.0	0.0	14054.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.4	1.2
10°-20°	391.6	2.8
20°-30°	636.1	4.5
30°-40°	1061.3	7.6
40°-50°	2008.0	14.3
50°-60°	3190.7	22.7
60°-70°	3947.1	28.1
70°-80°	2453.6	17.5
80°-90°	198.3	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°	14054.0	100.0
0°-180°	14054.0	100.0

Coefficient of Utilization



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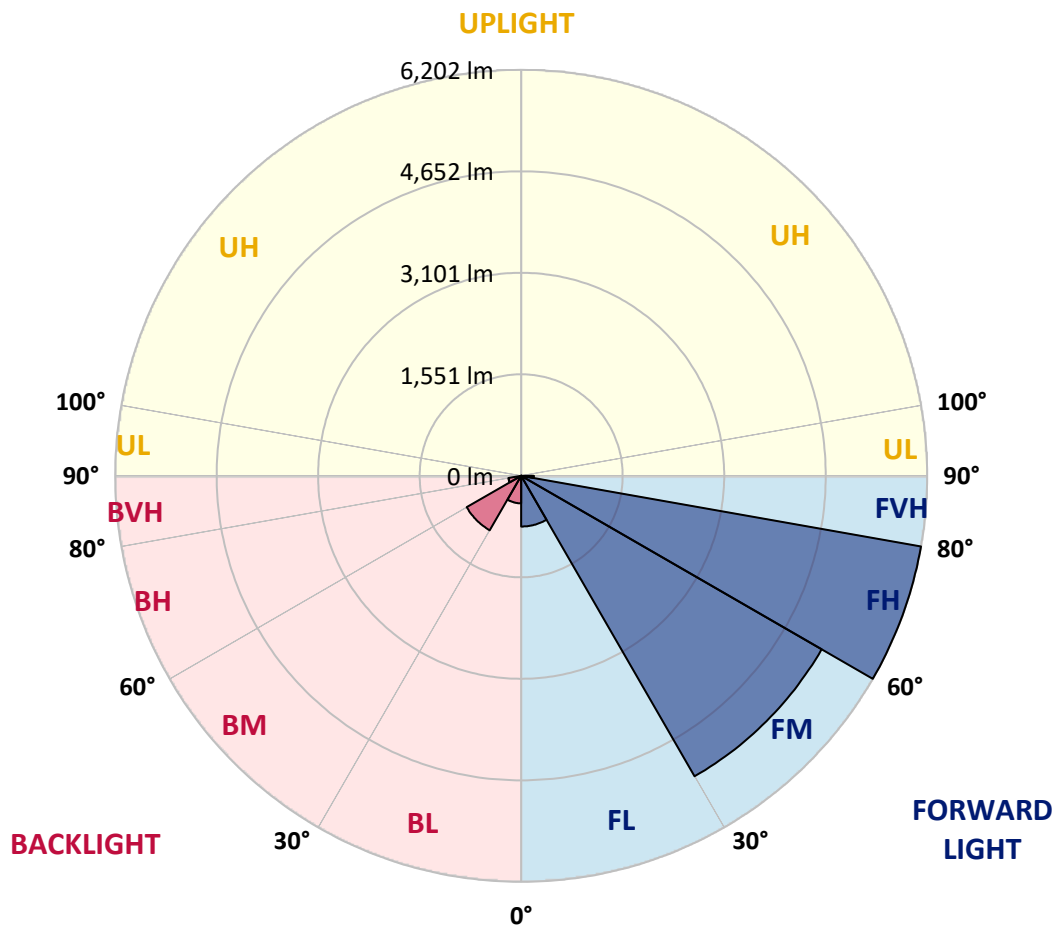
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	774.7	5.5			
FM	(30°-60°)	5299.8	37.7			
FH	(60°-80°)	6202.2	44.1			G3/7500
FVH	(80°-90°)	195.6	1.4			G2/225
BL	(0°-30°)	420.3	3.0	B1/500		
BM	(30°-60°)	960.2	6.8	B1/1000		
BH	(60°-80°)	198.5	1.4	B1/500		G1/500
BVH	(80°-90°)	2.7	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°	34°	35°	45°	55°	65°	75°	85°
0°	2036.9	2036.9	2036.9	2036.9	2036.9	2036.9	2036.9	2036.9	2036.9	2036.9	2036.9
2.5°	1946.3	1962.8	1965.8	1971.0	1971.0	1977.2	1987.5	2001.9	2025.6	2037.9	2046.2
5°	1793.9	1806.2	1821.7	1834.0	1857.7	1860.8	1901.0	1940.1	1994.7	2035.9	2064.7
7.5°	1640.4	1654.8	1675.4	1705.3	1736.2	1745.5	1806.2	1872.1	1958.6	2035.9	2084.3
10°	1532.3	1533.3	1551.9	1581.7	1631.2	1642.5	1716.6	1810.3	1918.5	2023.5	2102.8
12.5°	1471.5	1478.8	1487.0	1509.7	1557.0	1564.2	1643.5	1753.7	1878.3	2016.3	2124.4
15°	1471.5	1476.7	1481.8	1493.2	1531.3	1537.5	1607.5	1717.7	1857.7	2019.4	2159.4
17.5°	1487.0	1495.2	1491.1	1504.5	1544.7	1548.8	1610.6	1707.4	1856.7	2039.0	2213.0
20°	1524.1	1530.2	1522.0	1530.2	1570.4	1578.6	1642.5	1726.9	1874.2	2072.9	2279.9
22.5°	1582.8	1585.9	1566.3	1572.5	1613.7	1624.0	1698.1	1782.5	1916.4	2127.5	2369.5
25°	1656.9	1663.1	1633.2	1640.4	1679.6	1691.9	1777.4	1866.0	1983.3	2202.7	2483.8
27.5°	1742.4	1745.5	1719.7	1718.7	1769.2	1786.7	1873.2	1968.9	2072.9	2297.4	2628.0
30°	1840.2	1849.5	1824.8	1820.6	1884.5	1898.9	1984.4	2095.6	2204.7	2439.5	2832.9
32.5°	1917.4	1924.7	1910.2	1920.5	1985.4	1996.7	2119.3	2274.8	2411.7	2641.4	3112.0
35°	2028.7	2032.8	1999.8	2018.4	2092.5	2121.3	2303.6	2526.0	2672.3	2894.7	3476.5
37.5°	2431.3	2431.3	2291.3	2199.6	2270.7	2296.4	2555.9	2842.2	2993.6	3234.5	3935.8
40°	2988.4	2979.1	2774.2	2586.8	2577.5	2628.0	2915.3	3240.7	3408.6	3642.3	4452.7
42.5°	3582.6	3568.2	3289.1	3103.7	3072.8	3090.4	3330.3	3731.9	3902.8	4139.7	5008.8
45°	4109.8	4105.7	3850.3	3601.1	3545.5	3601.1	3848.3	4306.5	4429.1	4678.3	5563.9
47.5°	4551.6	4551.6	4365.2	4202.5	4173.7	4206.6	4549.5	4944.0	4932.6	5251.9	6104.5
50°	5060.3	5056.2	4879.1	4809.1	4838.9	4885.3	5356.9	5615.4	5453.7	5815.1	6587.5
52.5°	5416.6	5441.3	5380.6	5369.2	5521.7	5602.0	6176.6	6272.4	5920.2	6349.6	6948.9
55°	5698.8	5727.6	5797.6	5876.9	6170.4	6275.5	6970.5	6895.4	6310.5	6813.0	7156.9
57.5°	6098.3	6057.1	6165.3	6321.8	6796.5	6923.2	7739.8	7483.4	6624.5	7188.9	7179.6
60°	6583.4	6589.5	6608.1	6805.8	7421.6	7584.3	8497.7	8039.5	6826.4	7419.5	6928.3
62.5°	7166.2	7175.5	7213.6	7517.4	8260.9	8414.3	9305.1	8494.6	6919.1	7354.7	6279.6
65°	7126.0	7165.2	7590.5	8629.5	9536.8	9688.1	10247.3	8813.8	6779.0	6761.5	5112.8
67.5°	6491.7	6555.6	7267.1	9957.9	11460.4	11629.3	11386.2	8876.7	6174.5	5258.0	3335.4
70°	5659.6	5682.3	6538.0	11152.5	13687.8	13858.7	12405.7	8185.7	4685.5	2932.8	1494.2
72.5°	4419.8	4424.9	5429.0	11429.5	14896.7	14906.0	11605.6	6076.7	2519.9	1126.6	519.0
75°	3157.3	3126.4	3636.1	9269.0	13106.0	13211.0	8700.6	2850.4	962.8	532.4	258.5
77.5°	1693.0	1726.9	2057.5	5496.9	9053.8	9233.0	4747.3	821.8	490.2	362.5	170.9
80°	523.1	552.0	843.4	2516.8	5128.3	5236.4	1759.9	365.6	341.9	258.5	112.2
82.5°	164.8	170.9	393.4	1057.6	2128.5	2178.0	509.7	207.0	233.8	170.9	65.9
85°	47.4	48.4	175.1	394.4	526.2	536.5	143.1	80.3	133.9	106.1	34.0
87.5°	5.1	16.5	65.9	65.9	46.3	45.3	15.4	17.5	38.1	13.4	6.2
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°	2036.9	2036.9	2036.9	2036.9	2036.9	2036.9	2036.9	2036.9	2036.9	2036.9	2036.9
2.5°	2041.0	2042.0	2028.7	2006.0	1981.3	1960.7	1934.9	1914.4	1899.9	1895.8	1903.0
5°	2055.4	2048.2	2010.1	1941.1	1858.7	1787.7	1708.4	1645.6	1604.4	1586.9	1593.1
7.5°	2077.1	2056.5	1973.0	1837.1	1679.6	1539.5	1397.4	1287.2	1217.2	1182.2	1187.3
10°	2095.6	2054.4	1911.3	1686.8	1445.8	1233.7	1042.1	909.3	835.1	800.1	801.2
12.5°	2113.1	2053.4	1830.9	1508.6	1182.2	922.7	744.5	678.6	658.0	650.8	648.8
15°	2146.1	2056.5	1730.0	1304.7	919.6	697.2	632.3	631.3	635.4	633.3	632.3
17.5°	2191.4	2059.6	1615.7	1088.5	709.5	614.8	611.7	621.0	627.1	624.0	623.0
20°	2250.1	2071.9	1494.2	874.3	609.6	594.2	601.4	609.6	614.8	609.6	608.6
22.5°	2332.4	2093.5	1361.4	702.3	577.7	581.8	588.0	597.3	602.4	595.2	594.2
25°	2433.4	2127.5	1230.6	610.7	562.3	567.4	576.7	587.0	593.2	585.9	584.9
27.5°	2564.1	2182.1	1110.1	590.1	546.8	549.9	563.3	578.7	587.0	577.7	577.7
30°	2753.6	2271.7	1006.1	599.3	537.5	530.3	548.9	570.5	579.8	571.5	570.5
32.5°	3004.9	2398.3	942.2	613.7	533.4	507.7	525.2	553.0	568.4	563.3	563.3
35°	3334.4	2590.9	917.5	630.2	530.3	484.0	496.4	526.2	553.0	558.1	558.1
37.5°	3734.0	2858.7	924.7	637.4	521.1	464.4	470.6	496.4	531.4	547.8	552.0
40°	4188.1	3170.7	965.9	630.2	510.8	448.0	449.0	468.5	499.4	524.2	532.4
42.5°	4656.6	3535.2	1042.1	603.4	501.5	433.5	430.4	443.8	464.4	481.9	489.1
45°	5102.5	3910.1	1117.3	566.4	490.2	419.1	411.9	417.1	421.2	428.4	432.5
47.5°	5491.8	4173.7	1095.7	532.4	474.7	402.6	390.3	388.2	375.9	374.8	373.8
50°	5760.6	4231.3	973.1	498.4	452.1	384.1	364.5	352.2	330.6	320.3	321.3
52.5°	5846.0	4003.8	795.0	464.4	415.0	359.4	331.6	312.0	285.2	276.0	275.0
55°	5732.8	3557.9	635.4	423.2	363.5	326.4	295.5	269.8	248.2	236.8	236.8
57.5°	5455.8	2990.5	502.5	374.8	308.9	289.4	258.5	232.7	214.2	202.9	200.8
60°	4996.5	2374.7	397.5	317.2	263.6	249.2	217.3	200.8	184.3	170.9	167.9
62.5°	4299.3	1695.0	312.0	251.3	220.4	203.9	185.4	173.0	153.4	134.9	131.8
65°	3355.0	1037.0	241.0	184.3	177.1	168.9	157.6	146.2	122.5	104.0	100.9
67.5°	2116.2	491.2	172.0	139.0	140.0	135.9	130.8	121.5	104.0	87.5	85.5
70°	931.9	237.9	113.3	106.1	104.0	104.0	108.1	105.0	88.6	73.1	70.0
72.5°	317.2	127.7	84.4	80.3	75.2	74.1	90.6	87.5	71.1	56.6	53.5
75°	165.8	85.5	61.8	57.7	45.3	54.6	72.1	68.0	50.5	37.1	34.0
77.5°	108.1	60.8	42.2	37.1	25.7	36.0	53.5	47.4	29.9	18.5	16.5
80°	68.0	40.2	24.7	17.5	12.4	19.6	28.8	20.6	11.3	4.1	3.1
82.5°	36.0	20.6	9.3	6.2	5.1	6.2	7.2	5.1	2.1	0.0	0.0
85°	14.4	7.2	3.1	2.1	1.0	0.0	2.1	1.0	0.0	0.0	0.0
87.5°	5.1	1.0	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)