

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: P942116

Luminaire Tested: **GALN-SB6A-722-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942116
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-SB6A-722-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 350mA 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: 17624 lumens
Efficiency: N/A
Efficacy: 103.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

Input Watts (W): 170.9
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



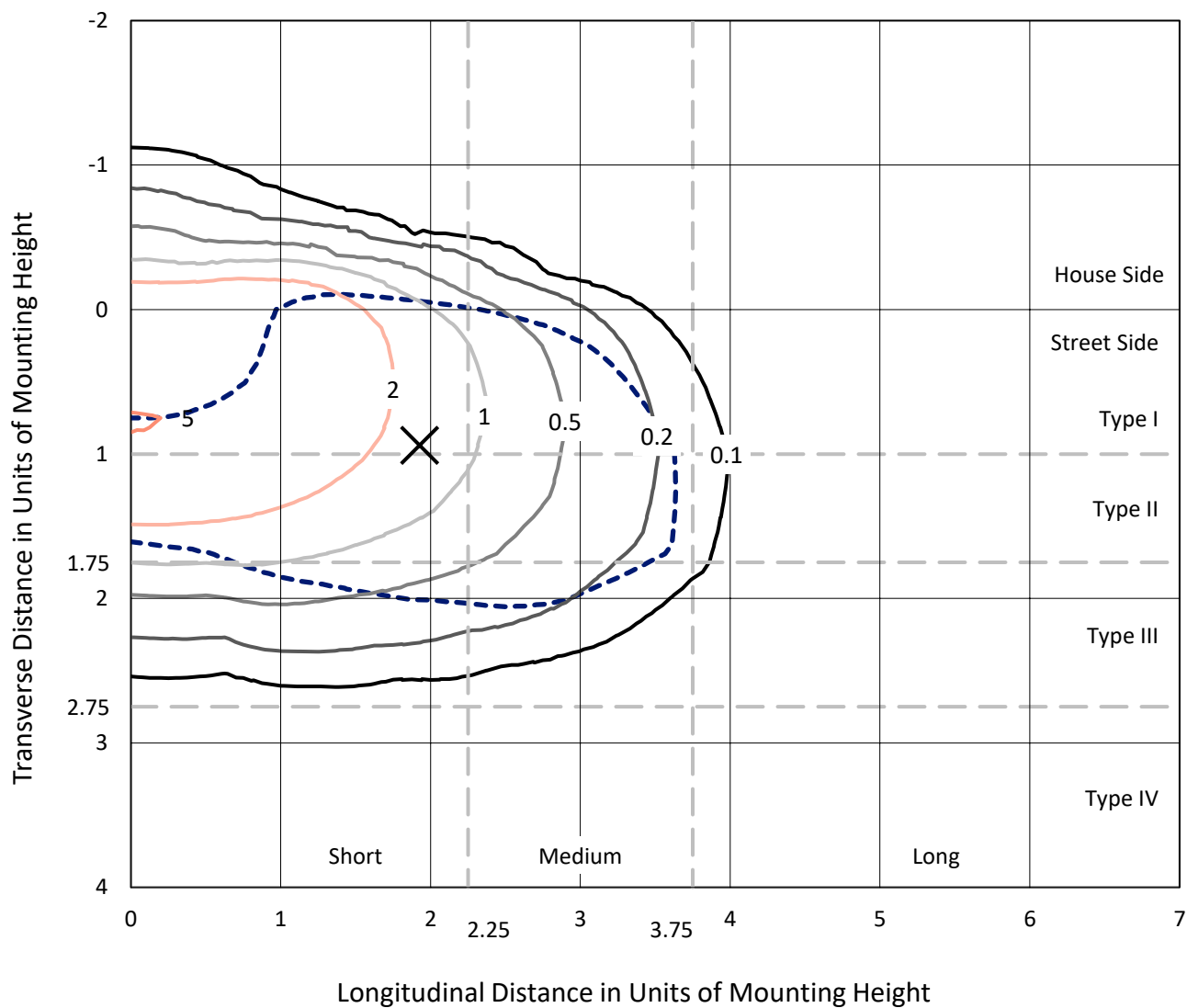
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

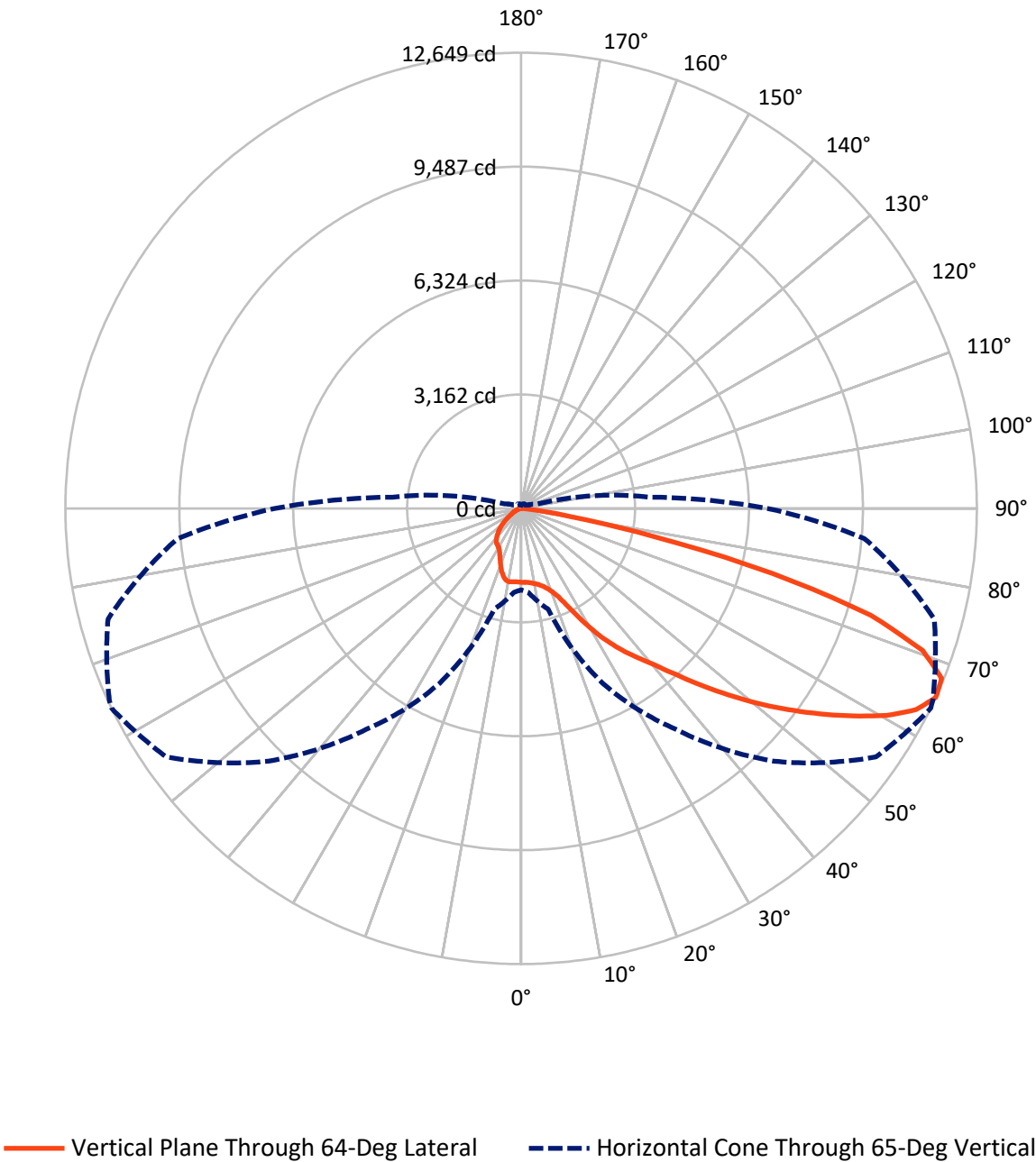
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 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	2356.9	0.0	2356.9
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	15267.1	0.0	15267.1
	% Fixture	86.6	0.0	86.6
Total	Lumens	17624.0	0.0	17624.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.1	1.1
10°-20°	512.9	2.9
20°-30°	972.0	5.5
30°-40°	1966.8	11.2
40°-50°	3350.5	19.0
50°-60°	4556.5	25.9
60°-70°	4278.8	24.3
70°-80°	1714.3	9.7
80°-90°	83.0	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°	17624.0	100.0
0°-180°	17624.0	100.0

Coefficient of Utilization



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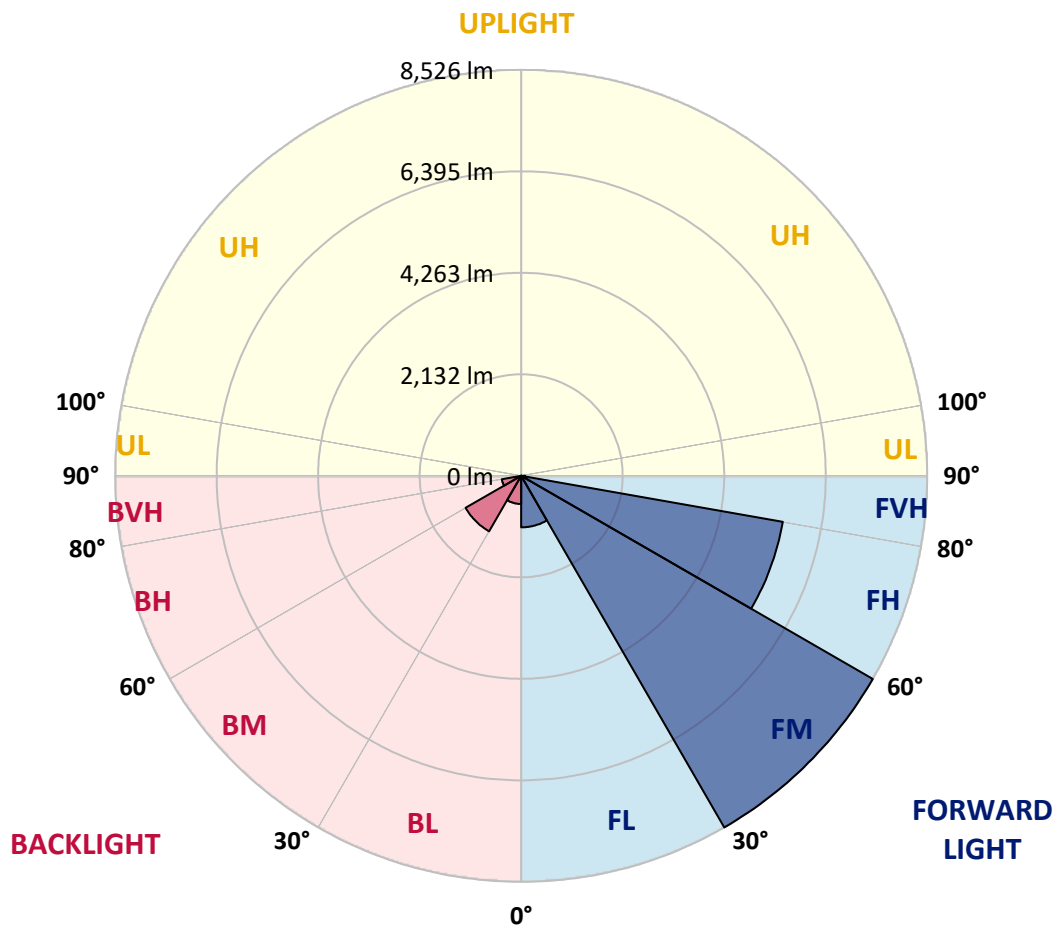
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1082.3	6.1			
FM	(30°-60°)	8526.5	48.4			
FH	(60°-80°)	5579.4	31.7			G3/7500
FVH	(80°-90°)	79.0	0.4			G1/100
BL	(0°-30°)	591.7	3.4	B2/1000		
BM	(30°-60°)	1347.4	7.6	B2/2500		
BH	(60°-80°)	413.7	2.3	B1/500		G1/500
BVH	(80°-90°)	4.1	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-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	2049.9	2049.9	2049.9	2049.9	2049.9	2049.9	2049.9	2049.9	2049.9	2049.9	2049.9
2.5°	2042.8	2056.9	2053.4	2049.9	2048.7	2051.0	2052.2	2051.0	2051.0	2051.0	2052.2
5°	2003.8	2015.6	2015.6	2023.9	2035.7	2049.9	2060.5	2062.9	2065.2	2068.8	2067.6
7.5°	1929.3	1938.8	1945.9	1973.1	2002.6	2040.4	2072.3	2088.8	2091.2	2104.2	2108.9
10°	1878.5	1890.4	1902.2	1930.5	1973.1	2029.8	2084.1	2124.3	2130.2	2160.9	2175.1
12.5°	1876.2	1888.0	1903.4	1934.1	1983.7	2043.9	2110.1	2168.0	2178.6	2223.5	2253.1
15°	1901.0	1915.2	1929.3	1967.2	2020.3	2093.6	2164.5	2236.5	2247.2	2311.0	2342.9
17.5°	1951.8	1970.7	1981.3	2019.1	2075.8	2157.4	2250.7	2333.4	2342.9	2417.3	2457.5
20°	2052.2	2074.7	2078.2	2108.9	2164.5	2251.9	2362.9	2465.7	2477.5	2562.6	2607.5
22.5°	2260.2	2292.1	2263.7	2279.1	2328.7	2416.1	2536.6	2666.6	2683.1	2780.0	2820.2
25°	2626.4	2671.3	2598.1	2572.1	2593.3	2684.3	2835.5	2999.8	3018.7	3096.6	3116.7
27.5°	3345.9	3288.0	3177.0	3068.3	3004.5	3056.5	3226.6	3429.8	3453.4	3529.1	3505.4
30°	4136.3	4085.5	3935.5	3694.5	3543.2	3535.0	3692.1	3918.9	3946.1	4018.2	3946.1
32.5°	4927.9	4879.5	4716.4	4419.9	4157.6	4027.6	4136.3	4388.0	4402.2	4448.2	4341.9
35°	5706.5	5656.9	5493.8	5190.2	4867.7	4572.3	4551.0	4834.6	4839.3	4887.8	4729.4
37.5°	6489.8	6448.5	6274.8	5977.1	5659.3	5251.6	5054.3	5257.6	5263.5	5310.7	5146.5
40°	7048.7	7066.4	6947.1	6716.7	6443.7	5998.3	5619.1	5707.7	5672.2	5751.4	5653.3
42.5°	7528.3	7563.8	7459.8	7344.0	7185.7	6793.5	6318.5	6303.2	6246.4	6289.0	6187.4
45°	7943.0	7972.6	7879.2	7852.1	7848.5	7573.2	7082.9	6990.8	6911.6	6903.3	6781.7
47.5°	8095.4	8152.2	8192.3	8283.3	8460.5	8344.7	7873.3	7730.4	7641.8	7576.8	7384.2
50°	8153.3	8213.6	8350.6	8615.3	9034.7	9084.3	8660.2	8499.5	8390.8	8272.7	7989.1
52.5°	8075.4	8182.9	8367.2	8812.6	9421.1	9677.4	9415.2	9274.6	9150.5	8957.9	8537.3
55°	7615.8	7723.3	8100.2	8810.2	9613.6	10093.3	10128.8	10066.1	9926.7	9623.1	8980.4
57.5°	6647.0	6806.5	7403.1	8510.1	9610.1	10451.3	10828.2	10873.1	10717.1	10282.4	9328.9
60°	5304.8	5521.0	6248.8	7845.0	9313.5	10645.1	11441.4	11665.9	11500.5	10932.2	9611.3
62.5°	3701.6	3952.0	4640.8	6802.9	8635.4	10505.7	11889.2	12303.9	12178.6	11513.4	9720.0
65°	2257.8	2338.1	2893.4	5353.3	7482.3	9922.0	12027.4	12648.8	12607.5	11869.1	9559.3
67.5°	1504.0	1571.4	1730.9	3670.8	5808.1	8755.9	11696.6	12588.6	12600.4	11811.2	8970.9
70°	906.2	964.1	1068.1	2134.9	3764.2	6930.5	10672.2	11820.6	11889.2	11037.3	7855.6
72.5°	373.3	412.3	506.9	967.6	1949.4	4398.6	8498.3	10148.8	10308.3	9280.5	6029.1
75°	211.5	231.6	297.7	485.6	845.9	2049.9	5147.7	7204.6	7439.7	6396.5	3627.1
77.5°	140.6	150.0	192.6	314.3	476.1	699.4	2199.9	3753.5	4202.5	3493.6	1570.2
80°	94.5	102.8	132.3	210.3	309.5	300.1	700.6	1390.6	1710.8	1200.4	382.8
82.5°	63.8	65.0	94.5	138.2	196.1	145.3	206.8	432.4	543.5	347.4	145.3
85°	36.6	35.4	69.7	80.3	87.4	60.3	62.6	130.0	170.1	146.5	82.7
87.5°	4.7	7.1	27.2	21.3	11.8	13.0	13.0	22.4	33.1	35.4	17.7
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°	2049.9	2049.9	2049.9	2049.9	2049.9	2049.9	2049.9	2049.9	2049.9	2049.9	2049.9
2.5°	2052.2	2051.0	2047.5	2043.9	2035.7	2031.0	2033.3	2031.0	2029.8	2031.0	2035.7
5°	2067.6	2064.0	2054.6	2042.8	2026.2	2006.1	1993.1	1974.2	1956.5	1945.9	1948.2
7.5°	2108.9	2105.4	2092.4	2059.3	2006.1	1922.3	1845.5	1778.1	1727.3	1697.8	1699.0
10°	2175.1	2169.2	2149.1	2075.8	1936.4	1753.3	1600.9	1474.5	1391.8	1352.8	1349.2
12.5°	2253.1	2246.0	2210.5	2060.5	1804.1	1518.2	1307.9	1167.3	1090.5	1056.2	1052.7
15°	2345.2	2335.8	2266.1	1987.2	1611.5	1258.3	1065.7	960.5	910.9	880.2	881.4
17.5°	2459.8	2443.3	2307.4	1877.4	1402.4	1059.8	916.8	837.7	793.9	764.4	762.0
20°	2608.7	2581.5	2340.5	1746.2	1209.8	934.5	816.4	750.2	717.2	691.2	686.4
22.5°	2816.6	2777.6	2380.7	1604.4	1074.0	848.3	742.0	693.5	666.4	636.8	632.1
25°	3074.2	3028.1	2430.3	1473.3	980.6	773.9	687.6	647.4	615.5	581.3	577.7
27.5°	3434.5	3351.8	2489.4	1365.8	900.3	710.1	638.0	593.1	556.5	528.1	522.2
30°	3836.2	3700.4	2541.3	1300.8	827.0	651.0	573.0	528.1	493.9	473.8	470.2
32.5°	4216.7	4032.4	2575.6	1272.4	760.9	583.6	502.1	453.7	427.7	421.8	425.3
35°	4575.8	4332.5	2572.1	1245.3	701.8	516.3	432.4	382.8	362.7	366.3	366.3
37.5°	4989.4	4652.6	2547.3	1202.7	653.4	454.9	372.2	328.4	310.7	311.9	316.6
40°	5470.2	5022.4	2531.9	1122.4	600.2	398.2	322.5	287.1	274.1	269.4	268.2
42.5°	5983.0	5380.4	2534.3	1031.4	534.0	347.4	288.3	258.7	246.9	243.4	242.2
45°	6498.1	5721.9	2537.8	936.9	464.3	308.4	263.5	238.7	231.6	226.8	226.8
47.5°	6982.5	6012.5	2471.6	835.3	395.8	278.8	243.4	226.8	220.9	215.0	215.0
50°	7433.8	6206.3	2312.1	717.2	341.4	255.2	228.0	216.2	210.3	204.4	204.4
52.5°	7784.7	6237.0	2048.7	595.5	303.6	237.5	218.6	207.9	200.9	194.9	193.8
55°	7940.7	6044.4	1674.1	482.0	274.1	222.1	209.1	198.5	190.2	184.3	183.1
57.5°	7900.5	5639.2	1305.5	387.5	245.7	206.8	197.3	190.2	180.8	171.3	170.1
60°	7703.2	5096.9	984.2	322.5	219.8	190.2	184.3	178.4	165.4	151.2	148.9
62.5°	7361.8	4415.2	701.8	267.0	191.4	171.3	169.0	164.2	145.3	119.3	117.0
65°	6839.5	3586.9	472.6	222.1	164.2	150.0	151.2	143.0	118.1	88.6	86.2
67.5°	6076.3	2622.9	302.5	181.9	137.1	125.2	126.4	121.7	100.4	75.6	72.1
70°	5104.0	1736.8	197.3	138.2	109.9	96.9	104.0	105.2	85.1	61.4	59.1
72.5°	3741.7	1025.5	138.2	102.8	80.3	67.3	85.1	87.4	68.5	46.1	43.7
75°	2132.6	486.8	104.0	74.4	49.6	47.3	66.2	66.2	47.3	30.7	28.4
77.5°	895.6	203.2	73.3	48.4	28.4	27.2	44.9	41.4	23.6	14.2	14.2
80°	258.7	91.0	39.0	23.6	11.8	10.6	17.7	13.0	5.9	2.4	2.4
82.5°	101.6	40.2	15.4	9.5	4.7	4.7	2.4	0.0	0.0	0.0	0.0
85°	60.3	16.5	7.1	3.5	1.2	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	15.4	3.5	2.4	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)