

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: P940436

Luminaire Tested: **GALN-SB3C-730-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940436
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-SB3C-730-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3000K, 615mA 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: 17623 lumens
Efficiency: N/A
Efficacy: 118.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - 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

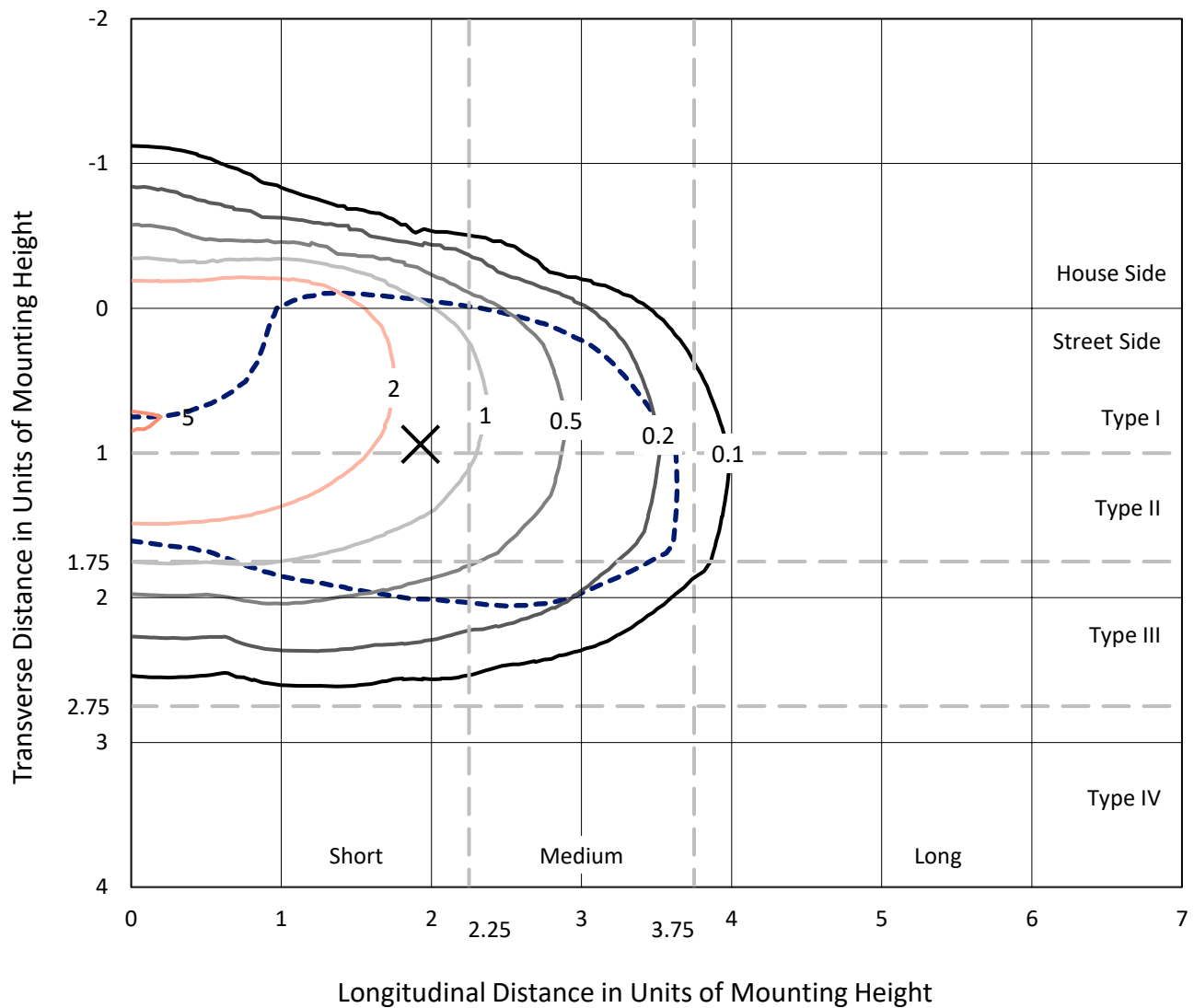


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

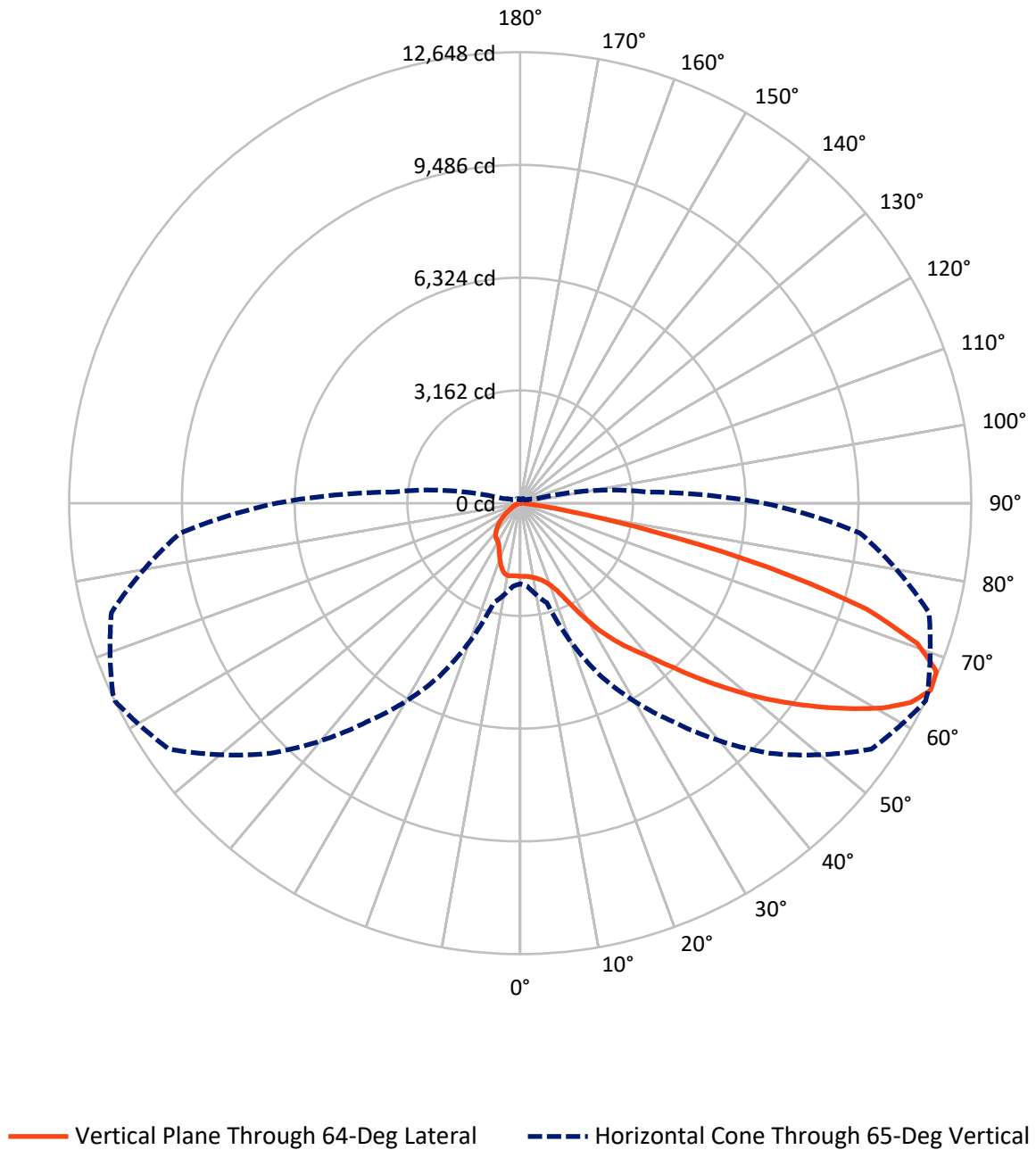


Based on 25 foot mounting height. Maximum calculated value = 5.2 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2356.7	0.0	2356.7
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	15266.3	0.0	15266.3
	% Fixture	86.6	0.0	86.6
Total	Lumens	17623.0	0.0	17623.0
	% 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°	971.9	5.5
30°-40°	1966.7	11.2
40°-50°	3350.4	19.0
50°-60°	4556.2	25.9
60°-70°	4278.5	24.3
70°-80°	1714.2	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°	17623.0	100.0
0°-180°	17623.0	100.0

Coefficient of Utilization



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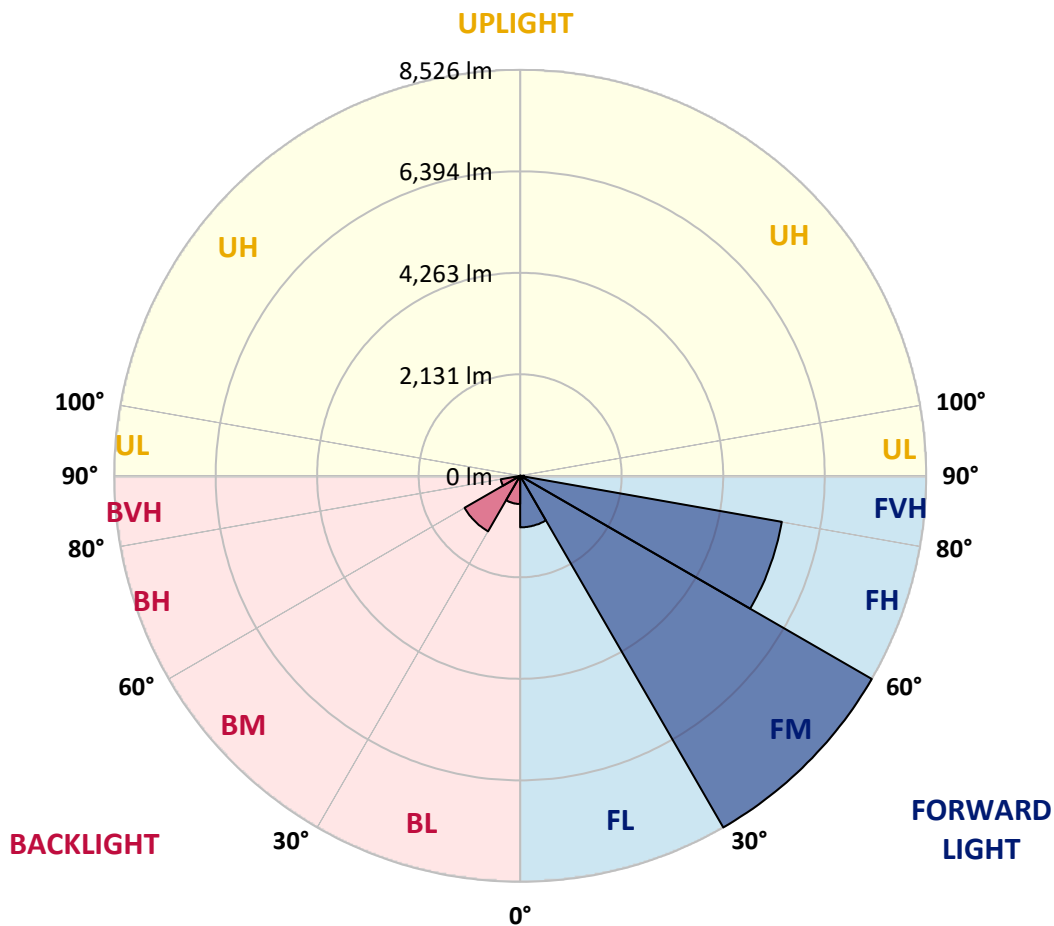
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1082.3	6.1			
FM	(30°-60°)	8526.0	48.4			
FH	(60°-80°)	5579.0	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°)	1347.3	7.6	B2/2500		
BH	(60°-80°)	413.6	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°	2049.7	2049.7	2049.7	2049.7	2049.7	2049.7	2049.7	2049.7	2049.7	2049.7	2049.7
2.5°	2042.6	2056.8	2053.3	2049.7	2048.6	2050.9	2052.1	2050.9	2050.9	2050.9	2052.1
5°	2003.7	2015.5	2015.5	2023.7	2035.6	2049.7	2060.4	2062.7	2065.1	2068.6	2067.5
7.5°	1929.2	1938.7	1945.8	1972.9	2002.5	2040.3	2072.2	2088.7	2091.1	2104.1	2108.8
10°	1878.4	1890.2	1902.1	1930.4	1972.9	2029.7	2084.0	2124.2	2130.1	2160.8	2175.0
12.5°	1876.1	1887.9	1903.2	1934.0	1983.6	2043.8	2110.0	2167.9	2178.5	2223.4	2252.9
15°	1900.9	1915.1	1929.2	1967.0	2020.2	2093.4	2164.3	2236.4	2247.0	2310.8	2342.7
17.5°	1951.7	1970.6	1981.2	2019.0	2075.7	2157.2	2250.6	2333.3	2342.7	2417.2	2457.3
20°	2052.1	2074.5	2078.1	2108.8	2164.3	2251.8	2362.8	2465.6	2477.4	2562.5	2607.4
22.5°	2260.0	2291.9	2263.6	2278.9	2328.5	2416.0	2536.5	2666.4	2683.0	2779.8	2820.0
25°	2626.3	2671.2	2597.9	2571.9	2593.2	2684.2	2835.4	2999.6	3018.5	3096.5	3116.5
27.5°	3345.7	3287.9	3176.8	3068.1	3004.3	3056.3	3226.4	3429.6	3453.2	3528.9	3505.2
30°	4136.1	4085.3	3935.3	3694.3	3543.0	3534.8	3691.9	3918.7	3945.9	4018.0	3945.9
32.5°	4927.6	4879.2	4716.2	4419.6	4157.4	4027.4	4136.1	4387.7	4401.9	4448.0	4341.7
35°	5706.2	5656.6	5493.5	5189.9	4867.4	4572.0	4550.8	4834.3	4839.0	4887.5	4729.2
37.5°	6489.5	6448.1	6274.4	5976.7	5658.9	5251.3	5054.1	5257.3	5263.2	5310.4	5146.2
40°	7048.3	7066.0	6946.7	6716.3	6443.4	5998.0	5618.8	5707.4	5671.9	5751.1	5653.0
42.5°	7527.9	7563.4	7459.4	7343.6	7185.3	6793.1	6318.2	6302.8	6246.1	6288.6	6187.0
45°	7942.6	7972.1	7878.8	7851.6	7848.1	7572.8	7082.5	6990.4	6911.2	6903.0	6781.3
47.5°	8095.0	8151.7	8191.9	8282.8	8460.0	8344.3	7872.9	7729.9	7641.3	7576.4	7383.8
50°	8152.9	8213.1	8350.2	8614.8	9034.2	9083.8	8659.7	8499.0	8390.3	8272.2	7988.7
52.5°	8074.9	8182.4	8366.7	8812.1	9420.5	9676.9	9414.6	9274.0	9150.0	8957.4	8536.8
55°	7615.3	7722.8	8099.7	8809.7	9613.1	10092.7	10128.2	10065.6	9926.2	9622.5	8979.9
57.5°	6646.6	6806.1	7402.7	8509.7	9609.5	10450.7	10827.6	10872.5	10716.5	10281.8	9328.4
60°	5304.5	5520.7	6248.5	7844.5	9313.0	10644.5	11440.7	11665.2	11499.8	10931.5	9610.7
62.5°	3701.3	3951.8	4640.6	6802.5	8634.9	10505.1	11888.5	12303.2	12177.9	11512.8	9719.4
65°	2257.7	2338.0	2893.3	5352.9	7481.8	9921.4	12026.7	12648.1	12606.8	11868.4	9558.7
67.5°	1503.9	1571.3	1730.8	3670.6	5807.8	8755.4	11695.9	12587.9	12599.7	11810.5	8970.4
70°	906.1	964.0	1068.0	2134.8	3764.0	6930.1	10671.6	11820.0	11888.5	11036.7	7855.2
72.5°	373.3	412.3	506.8	967.6	1949.3	4398.4	8497.8	10148.3	10307.8	9279.9	6028.7
75°	211.5	231.6	297.7	485.6	845.9	2049.7	5147.4	7204.2	7439.3	6396.1	3626.9
77.5°	140.6	150.0	192.6	314.3	476.1	699.4	2199.8	3753.3	4202.3	3493.4	1570.1
80°	94.5	102.8	132.3	210.3	309.5	300.1	700.6	1390.5	1710.7	1200.3	382.8
82.5°	63.8	65.0	94.5	138.2	196.1	145.3	206.7	432.4	543.4	347.3	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°	2049.7	2049.7	2049.7	2049.7	2049.7	2049.7	2049.7	2049.7	2049.7	2049.7	2049.7
2.5°	2052.1	2050.9	2047.4	2043.8	2035.6	2030.8	2033.2	2030.8	2029.7	2030.8	2035.6
5°	2067.5	2063.9	2054.5	2042.6	2026.1	2006.0	1993.0	1974.1	1956.4	1945.8	1948.1
7.5°	2108.8	2105.3	2092.3	2059.2	2006.0	1922.1	1845.4	1778.0	1727.2	1697.7	1698.9
10°	2175.0	2169.1	2149.0	2075.7	1936.3	1753.2	1600.8	1474.4	1391.7	1352.7	1349.2
12.5°	2252.9	2245.9	2210.4	2060.4	1804.0	1518.1	1307.8	1167.2	1090.4	1056.2	1052.6
15°	2345.1	2335.6	2265.9	1987.1	1611.4	1258.2	1065.6	960.5	910.9	880.1	881.3
17.5°	2459.7	2443.1	2307.3	1877.3	1402.3	1059.7	916.8	837.6	793.9	764.4	762.0
20°	2608.5	2581.4	2340.4	1746.1	1209.8	934.5	816.4	750.2	717.1	691.1	686.4
22.5°	2816.5	2777.5	2380.5	1604.3	1073.9	848.2	741.9	693.5	666.3	636.8	632.1
25°	3074.0	3027.9	2430.2	1473.2	980.6	773.8	687.6	647.4	615.5	581.3	577.7
27.5°	3434.3	3351.6	2489.2	1365.7	900.2	710.0	638.0	593.1	556.4	528.1	522.2
30°	3836.0	3700.2	2541.2	1300.7	827.0	651.0	573.0	528.1	493.8	473.7	470.2
32.5°	4216.4	4032.1	2575.5	1272.4	760.8	583.6	502.1	453.7	427.7	421.8	425.3
35°	4575.6	4332.2	2571.9	1245.2	701.8	516.3	432.4	382.8	362.7	366.2	366.2
37.5°	4989.1	4652.4	2547.1	1202.7	653.3	454.8	372.1	328.4	310.7	311.9	316.6
40°	5469.9	5022.2	2531.8	1122.3	600.2	398.1	322.5	287.1	274.1	269.4	268.2
42.5°	5982.6	5380.1	2534.1	1031.4	534.0	347.3	288.3	258.7	246.9	243.4	242.2
45°	6497.7	5721.5	2537.7	936.9	464.3	308.3	263.5	238.6	231.6	226.8	226.8
47.5°	6982.1	6012.2	2471.5	835.3	395.8	278.8	243.4	226.8	220.9	215.0	215.0
50°	7433.4	6205.9	2312.0	717.1	341.4	255.2	228.0	216.2	210.3	204.4	204.4
52.5°	7784.3	6236.6	2048.6	595.4	303.6	237.5	218.6	207.9	200.8	194.9	193.8
55°	7940.2	6044.1	1674.1	482.0	274.1	222.1	209.1	198.5	190.2	184.3	183.1
57.5°	7900.1	5638.8	1305.5	387.5	245.7	206.7	197.3	190.2	180.8	171.3	170.1
60°	7702.8	5096.6	984.1	322.5	219.7	190.2	184.3	178.4	165.4	151.2	148.9
62.5°	7361.3	4414.9	701.8	267.0	191.4	171.3	168.9	164.2	145.3	119.3	117.0
65°	6839.2	3586.7	472.6	222.1	164.2	150.0	151.2	143.0	118.1	88.6	86.2
67.5°	6076.0	2622.7	302.4	181.9	137.0	125.2	126.4	121.7	100.4	75.6	72.1
70°	5103.7	1736.7	197.3	138.2	109.9	96.9	104.0	105.1	85.1	61.4	59.1
72.5°	3741.5	1025.5	138.2	102.8	80.3	67.3	85.1	87.4	68.5	46.1	43.7
75°	2132.4	486.7	104.0	74.4	49.6	47.3	66.2	66.2	47.3	30.7	28.4
77.5°	895.5	203.2	73.2	48.4	28.4	27.2	44.9	41.3	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)