

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: P954484

Luminaire Tested: **GALN-SB7D-722-U-T2U-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954484
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB7D-722-U-T2U-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 45689 lumens
Efficiency: N/A
Efficacy: 89.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G5

Input Watts (W): 512.8
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

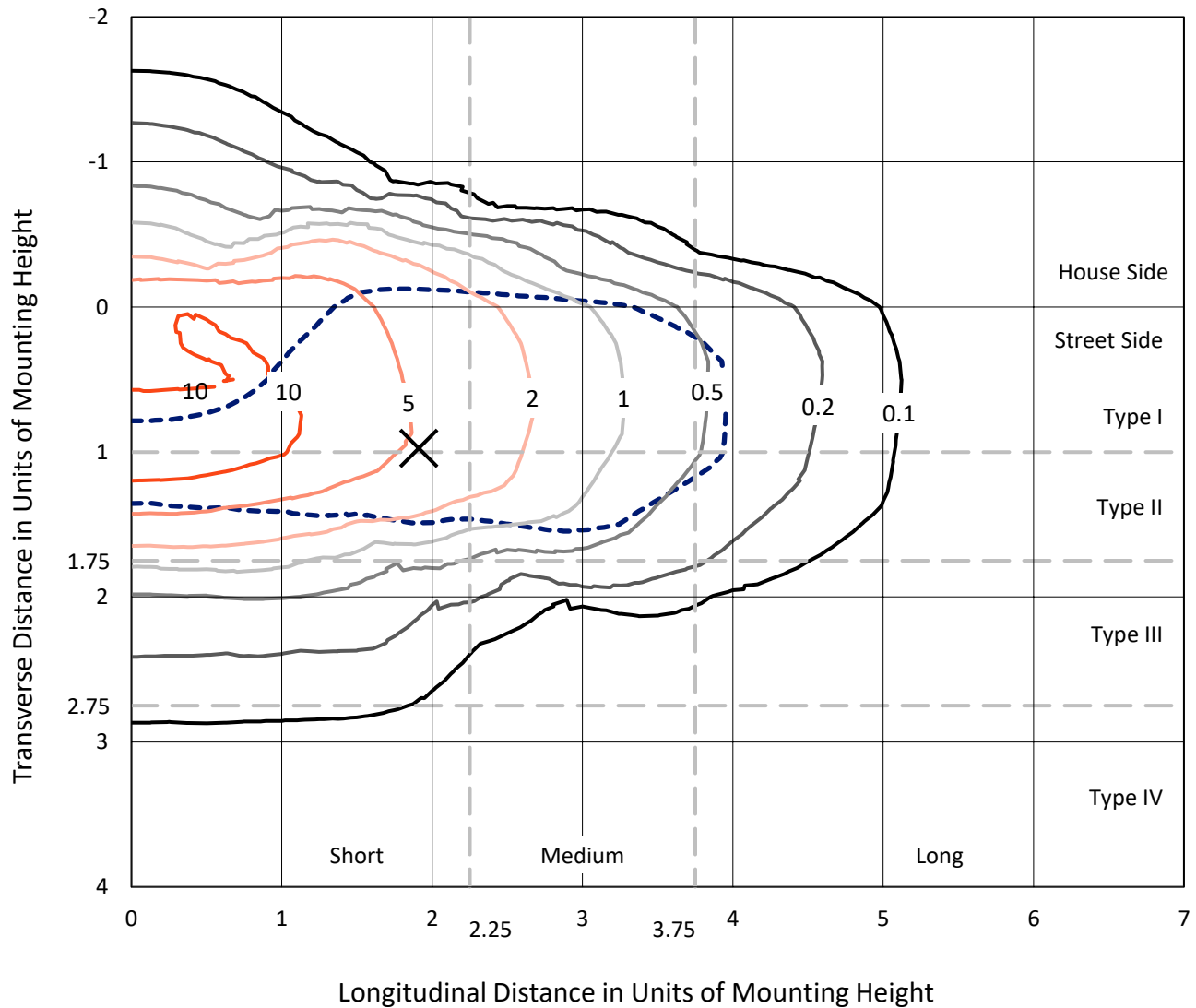


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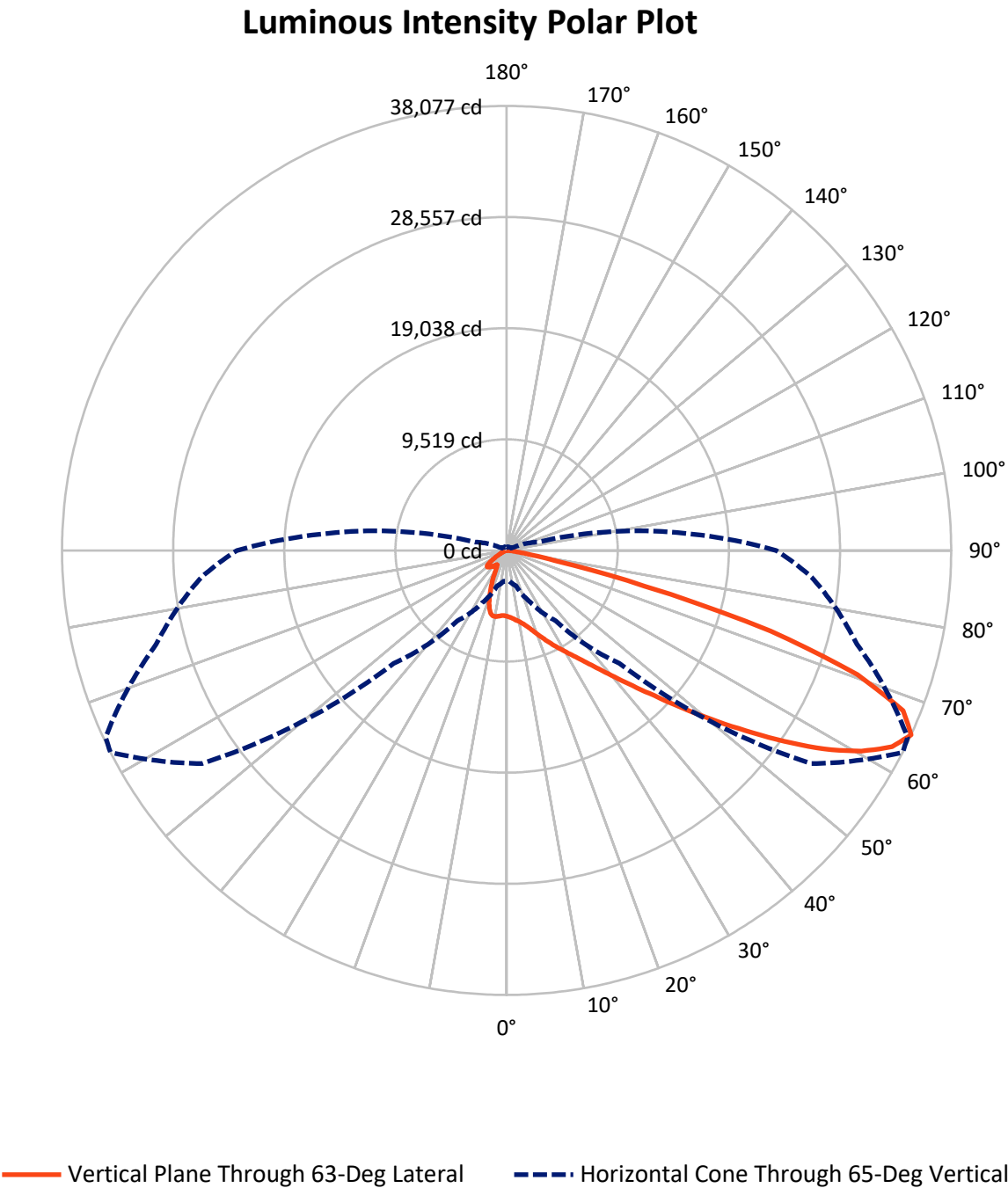
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.4 fc
Type II - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6715.9	0.0	6715.9
	% Fixture	14.7	0.0	14.7
Street Side	Lumens	38973.1	0.0	38973.1
	% Fixture	85.3	0.0	85.3
Total	Lumens	45689.0	0.0	45689.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	531.3	1.2
10°-20°	1474.1	3.2
20°-30°	2566.8	5.6
30°-40°	4626.5	10.1
40°-50°	9175.7	20.1
50°-60°	12498.9	27.4
60°-70°	9976.5	21.8
70°-80°	4514.6	9.9
80°-90°	324.5	0.7
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°	45689.0	100.0
0°-180°	45689.0	100.0

Coefficient of Utilization



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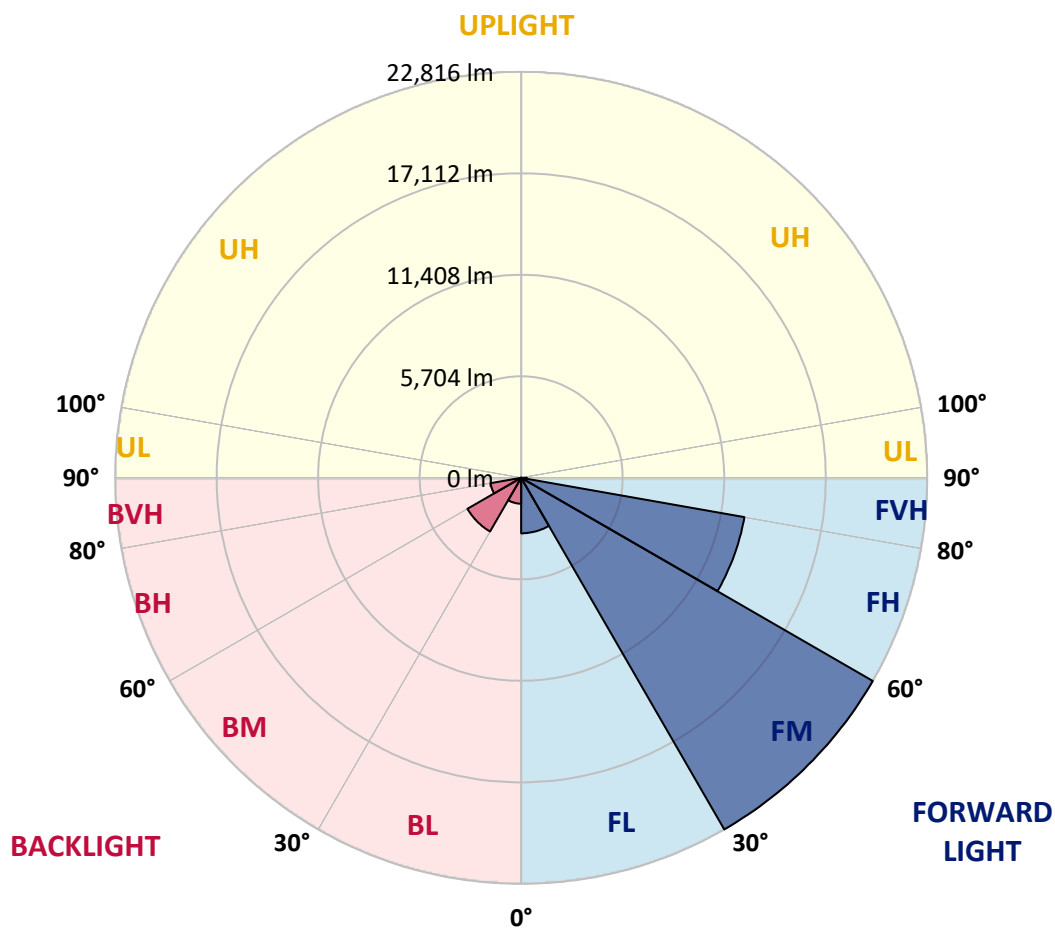
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3118.8	6.8			
FM	(30°-60°)	22815.9	49.9			
FH	(60°-80°)	12737.9	27.9			G5
FVH	(80°-90°)	300.4	0.7			G3/500
BL	(0°-30°)	1453.4	3.2	B3/2500		
BM	(30°-60°)	3485.2	7.6	B3/5000		
BH	(60°-80°)	1753.3	3.8	B3/2500		G3/2500
BVH	(80°-90°)	24.1	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	5638.9	5638.9	5638.9	5638.9	5638.9	5638.9	5638.9	5638.9	5638.9	5638.9	5638.9
2.5°	5770.9	5755.2	5777.2	5767.8	5761.5	5748.9	5742.6	5736.3	5723.8	5714.3	5676.6
5°	5786.6	5777.2	5799.2	5818.0	5836.9	5855.8	5865.2	5877.8	5865.2	5840.1	5802.3
7.5°	5654.6	5648.3	5695.5	5752.0	5836.9	5909.2	5987.8	6031.8	6034.9	6025.5	5984.6
10°	5645.2	5629.5	5676.6	5745.8	5855.8	5984.6	6122.9	6217.2	6229.8	6270.7	6226.7
12.5°	5792.9	5777.2	5843.2	5918.6	6031.8	6166.9	6336.7	6468.7	6487.5	6544.1	6512.7
15°	6041.2	6019.2	6094.6	6192.1	6336.7	6490.7	6669.9	6789.3	6805.0	6874.2	6817.6
17.5°	6330.4	6308.4	6396.4	6500.1	6657.3	6867.9	7075.3	7207.3	7226.2	7270.2	7166.5
20°	6701.3	6673.0	6742.1	6836.4	7003.0	7254.5	7502.8	7691.4	7688.2	7688.2	7518.5
22.5°	7131.9	7087.9	7147.6	7223.1	7380.2	7685.1	8015.1	8238.3	8238.3	8150.3	7870.6
25°	7594.0	7549.9	7616.0	7685.1	7823.4	8169.2	8555.8	8832.4	8844.9	8694.1	8247.7
27.5°	8172.3	8115.7	8166.0	8247.7	8329.5	8681.5	9140.4	9461.0	9467.3	9234.7	8606.1
30°	9285.0	9124.7	8967.5	8879.5	8917.2	9266.1	9756.5	10111.6	10143.1	9822.5	8995.8
32.5°	11321.8	11290.3	10737.1	10014.2	9637.0	9894.8	10444.8	10872.3	10891.2	10479.4	9501.9
35°	14487.0	14449.3	13559.7	12183.0	10954.0	10737.1	11280.9	11787.0	11774.4	11309.2	10158.8
37.5°	18265.1	18230.5	17058.1	15216.2	13226.6	12010.1	12359.0	12890.2	12968.8	12359.0	11007.5
40°	21493.1	21364.3	20622.5	18846.6	16244.0	14122.4	13892.9	14244.9	14326.7	13603.7	12085.6
42.5°	23938.5	23828.5	23451.4	22341.8	19896.4	17246.7	15700.2	15835.4	15926.6	15059.0	13324.0
45°	25205.3	25180.1	25331.0	25227.3	23617.9	21081.4	18283.9	17721.3	17755.9	16671.5	14729.0
47.5°	25384.4	25371.8	26060.2	27034.6	26817.7	25406.4	21600.0	20072.4	19949.8	18491.4	16256.6
50°	24328.3	24303.2	25623.3	27449.5	28955.1	29039.9	25365.6	22722.1	22451.8	20374.2	17850.2
52.5°	20955.7	20949.4	23118.2	26157.6	29706.3	32220.9	29087.1	25632.7	25180.1	22367.0	19534.9
55°	16124.6	16240.9	18727.1	22319.8	28335.9	33751.6	32428.3	28863.9	28169.3	24372.3	21087.7
57.5°	11422.4	11592.1	14050.1	17249.8	24086.3	32846.4	34688.3	32101.4	31353.3	26371.4	22662.4
60°	6135.5	6286.4	8747.5	12566.5	17919.3	29470.6	35879.5	34911.4	34204.2	28269.9	24083.1
62.5°	3655.5	3705.8	4724.2	8112.6	12120.1	22514.7	35373.5	37051.9	36470.5	29863.5	25318.4
65°	2624.6	2634.0	3146.3	4953.7	7358.2	13679.2	31824.8	38076.6	37897.5	31064.2	26233.1
67.5°	2209.7	2203.4	2417.1	3290.9	5013.4	6852.2	24391.2	36627.6	37388.3	31824.8	26751.7
70°	1895.3	1904.8	2156.2	2410.8	3768.7	3878.7	12126.4	31890.8	33512.7	32026.0	26720.3
72.5°	1411.3	1442.7	1675.3	2197.1	2844.6	2668.6	4186.7	23646.2	26578.8	30174.6	25334.1
75°	996.4	1012.1	1178.7	1848.2	2121.7	1942.5	2137.4	12223.9	15983.1	23133.9	20735.6
77.5°	766.9	795.2	892.7	1291.9	2090.2	1364.1	1307.6	4230.7	6500.1	13974.6	14216.7
80°	414.9	465.2	644.4	933.5	1467.9	965.0	647.5	1684.8	2203.4	6534.7	5481.7
82.5°	213.7	238.9	449.5	672.6	836.1	842.4	320.6	700.9	908.4	2017.9	751.2
85°	84.9	103.7	301.7	370.9	430.6	414.9	144.6	282.9	326.9	559.5	229.5
87.5°	18.9	31.4	110.0	84.9	81.7	88.0	34.6	66.0	62.9	66.0	40.9
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°	5638.9	5638.9	5638.9	5638.9	5638.9	5638.9	5638.9	5638.9	5638.9	5638.9	5638.9
2.5°	5673.5	5660.9	5626.3	5588.6	5544.6	5519.4	5503.7	5500.6	5478.6	5462.9	5478.6
5°	5767.8	5755.2	5689.2	5610.6	5525.7	5459.7	5396.9	5340.3	5258.6	5242.8	5236.6
7.5°	5956.3	5921.8	5814.9	5708.0	5547.7	5356.0	5123.4	4856.2	4617.3	4545.1	4510.5
10°	6188.9	6141.8	6006.6	5818.0	5462.9	4941.1	4378.5	3856.7	3441.8	3325.5	3281.5
12.5°	6453.0	6412.1	6232.9	5884.1	5107.7	4161.6	3300.4	2652.9	2250.5	2149.9	2121.7
15°	6767.3	6707.6	6459.3	5783.5	4472.8	3162.1	2266.2	1882.8	1738.2	1719.3	1700.5
17.5°	7100.5	7003.0	6660.4	5422.0	3617.8	2247.4	1750.8	1640.7	1577.9	1559.0	1549.6
20°	7405.4	7279.6	6779.9	4875.1	2703.1	1750.8	1568.5	1496.2	1439.6	1417.6	1405.0
22.5°	7710.2	7531.1	6779.9	4130.2	2027.4	1552.7	1439.6	1373.6	1307.6	1279.3	1263.6
25°	8027.7	7788.8	6660.4	3300.4	1631.3	1423.9	1317.0	1244.7	1188.1	1153.6	1141.0
27.5°	8335.7	8005.7	6387.0	2514.6	1452.2	1310.7	1203.8	1134.7	1081.3	1056.1	1056.1
30°	8628.1	8219.4	6003.5	1907.9	1335.9	1200.7	1100.1	1040.4	987.0	961.8	965.0
32.5°	9024.1	8489.8	5594.9	1565.3	1235.3	1097.0	1005.8	949.2	902.1	883.2	883.2
35°	9574.2	8888.9	5242.8	1537.0	1150.4	1012.1	921.0	867.5	820.4	804.7	804.7
37.5°	10353.7	9533.3	5057.4	1725.6	1081.3	936.7	851.8	795.2	751.2	738.7	735.5
40°	11315.5	10407.1	5158.0	1914.2	1034.1	870.7	788.9	732.4	694.6	678.9	675.8
42.5°	12456.5	11485.2	5714.3	2058.8	1002.7	814.1	729.2	666.4	641.2	634.9	634.9
45°	13767.2	12670.2	6566.1	2212.8	952.4	760.7	669.5	622.4	603.5	600.3	597.2
47.5°	15257.1	13971.5	7553.1	2404.5	902.1	710.4	622.4	590.9	575.2	568.9	568.9
50°	16734.4	15282.2	8568.3	2511.4	861.2	663.2	584.6	559.5	546.9	543.8	543.8
52.5°	18280.8	16630.6	9388.7	2410.8	826.7	625.5	553.2	534.3	521.8	518.6	518.6
55°	19755.0	17721.3	9530.2	2046.2	757.5	587.8	518.6	509.2	493.5	493.5	490.3
57.5°	21024.8	18268.2	8530.6	1502.4	688.4	531.2	484.1	474.6	462.0	458.9	455.8
60°	22190.9	18111.1	6585.0	1012.1	612.9	474.6	440.0	433.8	421.2	405.5	402.3
62.5°	22847.9	17419.6	4504.2	660.1	537.5	414.9	389.8	386.6	358.3	326.9	320.6
65°	23096.2	15998.8	2810.0	480.9	449.5	355.2	336.3	330.0	289.2	254.6	251.5
67.5°	22879.3	13660.3	1417.6	380.3	355.2	295.5	276.6	276.6	248.3	216.9	213.7
70°	22011.8	10240.5	597.2	304.9	273.5	226.3	226.3	238.9	210.6	176.0	172.9
72.5°	20129.0	6889.9	317.5	232.6	204.3	160.3	185.4	194.9	166.6	132.0	132.0
75°	16002.0	4202.4	220.0	172.9	128.9	113.2	141.4	147.7	113.2	88.0	84.9
77.5°	10944.6	2414.0	147.7	110.0	81.7	66.0	97.4	91.2	59.7	40.9	44.0
80°	4805.9	1005.8	84.9	50.3	31.4	25.1	34.6	25.1	18.9	12.6	12.6
82.5°	562.6	235.7	31.4	18.9	12.6	6.3	3.1	0.0	0.0	0.0	0.0
85°	116.3	28.3	15.7	6.3	3.1	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	22.0	6.3	3.1	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)