

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: STREETWORKS

Report Number: P970272

Luminaire Tested: **NVN-SB6B-722-U-T2R-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P970272  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: NVN-SB6B-722-U-T2R-HSS  
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 24481.1 lumens  
Efficiency: N/A  
Efficacy: 111.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G3

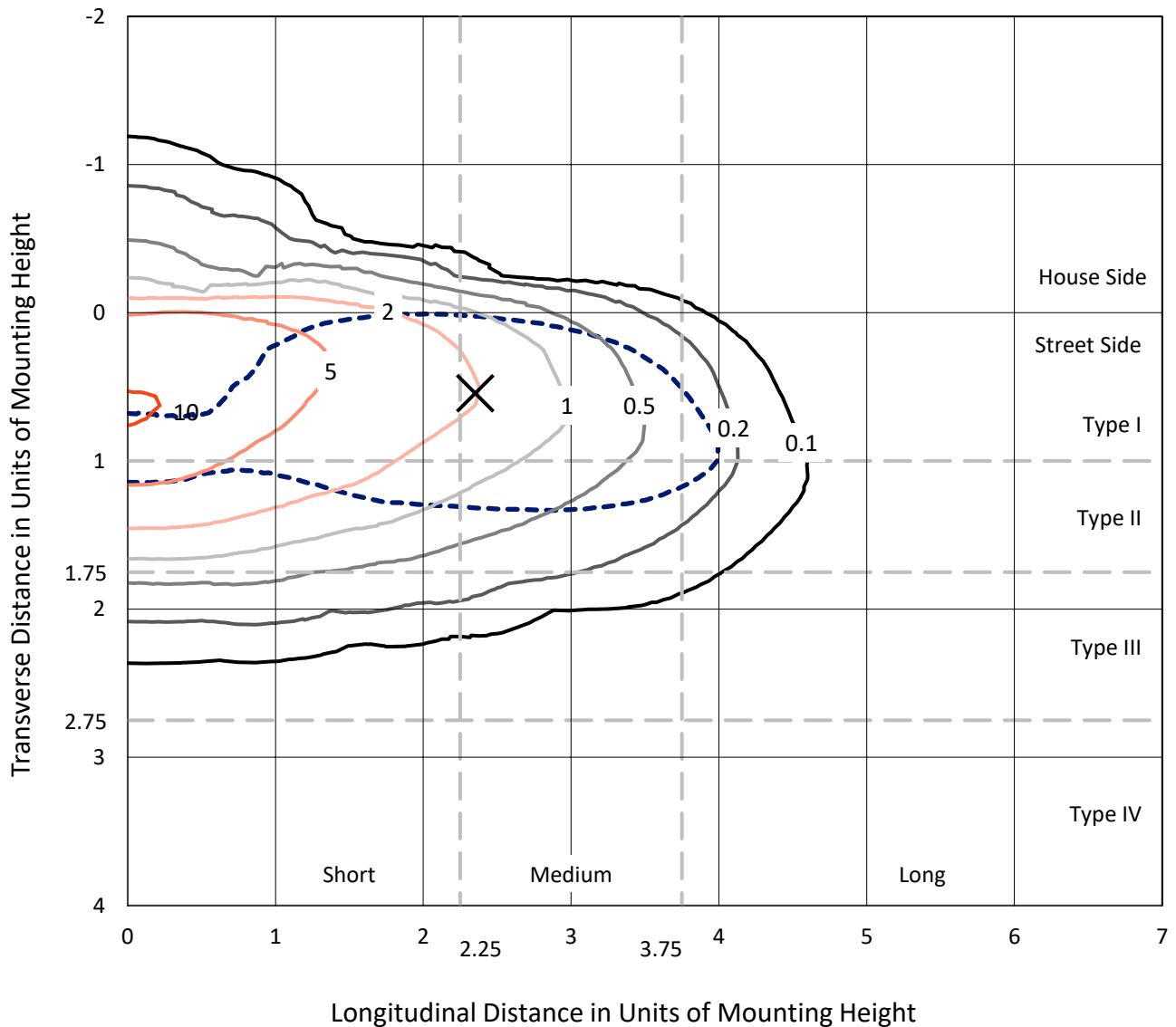
Input Watts (W): 220.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

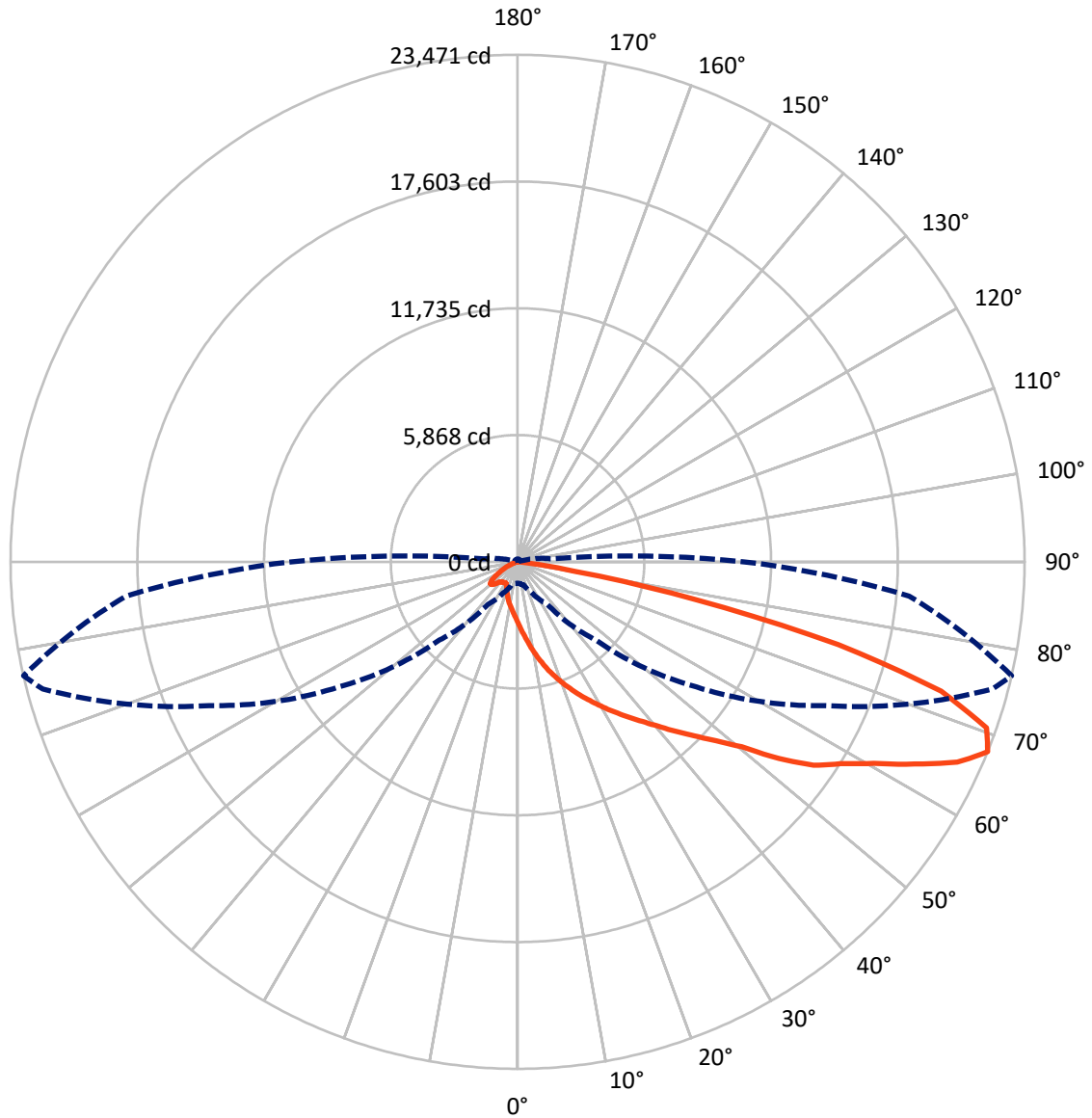
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.6 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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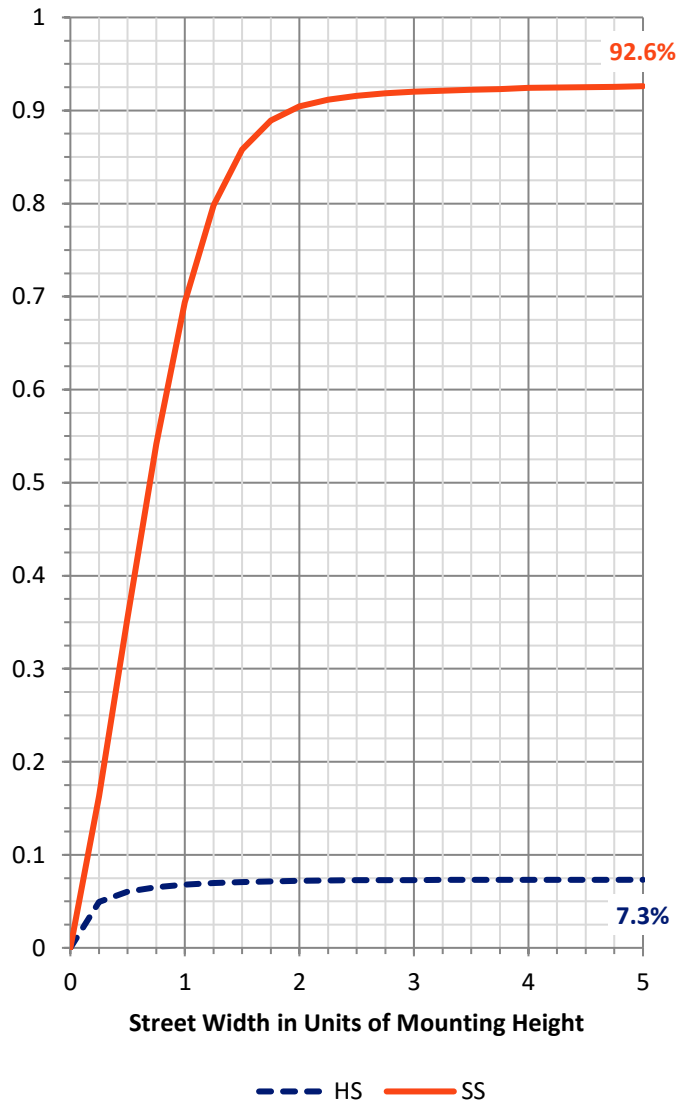
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1801.1	0.0	1801.1
	% Fixture	7.4	0.0	7.4
<b>Street Side</b>	Lumens	22680.0	0.0	22680.0
	% Fixture	92.6	0.0	92.6
<b>Total</b>	Lumens	24481.1	0.0	24481.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	288.1	1.2
10°-20°	1009.0	4.1
20°-30°	1947.1	8.0
30°-40°	3380.3	13.8
40°-50°	4908.1	20.0
50°-60°	5636.3	23.0
60°-70°	4893.3	20.0
70°-80°	2304.8	9.4
80°-90°	114.0	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°	24481.1	100.0
0°-180°	24481.1	100.0

**Coefficient of Utilization**



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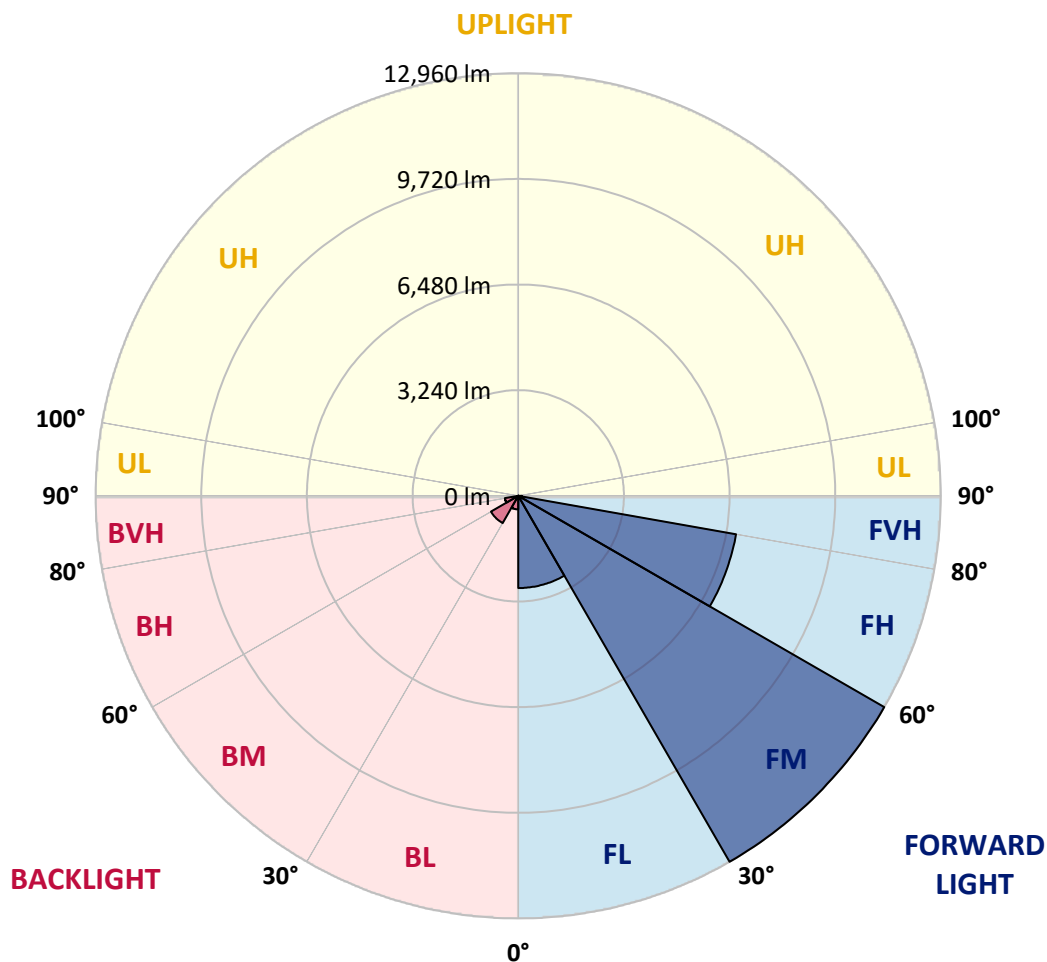
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2827.3	11.5			
FM (30°-60°)	12959.6	52.9			
FH (60°-80°)	6781.2	27.7			G3/7500
FVH (80°-90°)	111.9	0.5			G2/225
BL (0°-30°)	417.0	1.7	B1/500		
BM (30°-60°)	965.0	3.9	B1/1000		
BH (60°-80°)	417.0	1.7	B1/500		G1/500
BVH (80°-90°)	2.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G3**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	2823.1	2823.1	2823.1	2823.1	2823.1	2823.1	2823.1	2823.1	2823.1	2823.1	2823.1
2.5°	3908.4	3932.8	3897.9	3830.9	3730.6	3665.2	3505.6	3355.1	3187.9	3134.7	2967.5
5°	4764.3	4785.6	4746.1	4673.1	4539.3	4411.6	4201.9	3887.2	3560.3	3455.5	3158.9
7.5°	5398.3	5410.5	5395.2	5328.4	5200.6	5056.2	4822.1	4449.6	3964.7	3849.2	3394.6
10°	5854.3	5893.9	5889.3	5863.4	5778.3	5661.3	5412.0	4987.9	4417.8	4268.7	3660.7
12.5°	6156.9	6200.9	6226.8	6284.6	6280.0	6205.5	5986.6	5538.2	4869.3	4694.4	3960.2
15°	6245.0	6292.2	6391.0	6524.7	6643.3	6681.4	6527.8	6077.8	5366.4	5142.8	4267.3
17.5°	6194.9	6267.9	6386.4	6597.7	6857.7	7029.4	7012.7	6599.3	5817.8	5562.5	4568.2
20°	6305.8	6375.8	6468.5	6646.4	6948.9	7260.5	7385.2	7097.8	6266.3	5998.7	4884.4
22.5°	6920.0	6907.9	6917.0	6945.8	7126.7	7435.4	7692.2	7550.9	6710.2	6436.6	5218.9
25°	7892.9	7838.2	7745.5	7588.9	7543.3	7692.2	7959.8	7952.3	7178.4	6885.0	5560.9
27.5°	9008.7	8999.6	8782.3	8405.2	8192.4	8134.6	8262.3	8342.9	7642.1	7329.0	5904.5
30°	10077.5	10101.8	9808.4	9388.8	8998.2	8771.6	8656.1	8713.8	8113.4	7807.8	6258.8
32.5°	11007.9	11033.7	10714.4	10223.5	9740.0	9466.4	9223.2	9080.2	8627.2	8294.3	6647.8
35°	11793.8	11819.7	11453.2	10910.5	10395.2	10147.4	9872.3	9481.6	9144.0	8834.0	7081.1
37.5°	12496.1	12488.5	11997.5	11450.3	10944.0	10747.8	10603.4	9975.6	9676.1	9376.7	7561.5
40°	12911.1	12943.1	12523.4	11919.9	11429.0	11286.1	11276.9	10588.2	10290.3	9999.9	8087.6
42.5°	13032.8	13089.0	12784.9	12289.3	11844.0	11688.9	11927.6	11251.1	11004.8	10722.0	8682.0
45°	12813.8	12868.6	12730.2	12386.7	12126.7	12026.4	12487.0	11938.2	11767.9	11488.2	9352.3
47.5°	12175.4	12243.7	12277.2	12204.3	12201.2	12303.1	12988.7	12661.8	12674.0	12388.2	10129.2
50°	10939.4	11054.9	11362.0	11620.5	12020.3	12522.0	13476.7	13446.3	13695.5	13449.3	11141.6
52.5°	8692.5	8856.7	9914.8	10621.7	11520.2	12480.9	14013.3	14705.0	15487.9	15127.6	12569.1
55°	6985.4	6985.4	7845.8	9168.4	10544.2	12210.3	14247.4	15522.9	16708.6	16623.4	13574.0
57.5°	5694.7	5763.2	6312.0	7481.0	9131.9	11565.8	14391.8	16036.7	17692.2	17629.9	14556.0
60°	3514.7	3662.2	4699.0	5852.9	7525.0	10418.0	14300.6	16556.6	18885.5	18935.7	15738.8
62.5°	1979.3	2034.0	2496.2	4211.0	5851.3	8875.0	13602.9	16847.0	20411.8	20624.7	16957.9
65°	1366.6	1394.0	1571.9	2620.8	4055.9	7065.9	12239.2	16666.1	21941.1	22371.4	17991.7
67.5°	992.7	1006.3	1117.4	1600.7	2406.5	5123.2	10101.8	15753.9	22751.5	23470.6	18189.3
70°	763.1	772.2	852.8	1052.0	1421.4	3162.0	7336.5	13940.3	22164.7	23023.6	17176.8
72.5°	620.2	629.3	691.7	778.4	942.5	1869.9	4446.7	11321.0	19574.2	20501.5	14622.9
75°	523.0	535.2	591.3	647.6	738.8	1201.0	2085.8	7883.8	14720.2	15328.3	10168.7
77.5°	290.4	267.5	480.4	536.6	623.3	760.1	976.0	4639.7	8244.1	8412.9	4511.9
80°	180.9	187.0	381.6	431.7	478.9	383.0	446.9	1786.3	2858.0	2715.1	874.1
82.5°	10.7	24.3	293.4	311.6	328.4	164.2	168.7	606.6	688.7	632.4	155.1
85°	0.0	0.0	133.8	107.9	114.0	47.2	48.7	141.3	92.8	100.3	30.4
87.5°	0.0	0.0	0.0	3.1	0.0	4.5	9.1	12.2	4.5	6.0	10.7
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°	2823.1	2823.1	2823.1	2823.1	2823.1	2823.1	2823.1	2823.1	2823.1	2823.1	2823.1
2.5°	2861.1	2754.6	2538.7	2327.5	2155.7	1996.1	1882.0	1774.1	1719.3	1716.4	1713.3
5°	2947.7	2724.2	2292.5	1910.9	1603.8	1357.5	1197.9	1083.9	1026.1	1006.3	1003.4
7.5°	3069.3	2733.4	2076.6	1546.0	1184.3	972.9	881.7	845.2	833.1	819.4	816.3
10°	3222.8	2754.6	1883.5	1245.1	933.4	827.0	790.5	775.3	766.2	757.1	754.0
12.5°	3394.6	2774.4	1692.0	1033.7	820.9	766.2	740.4	722.1	709.9	699.3	696.3
15°	3561.9	2786.6	1492.8	886.3	763.1	719.0	691.7	671.9	655.2	643.1	641.5
17.5°	3727.5	2803.3	1305.8	798.1	716.1	671.9	644.5	620.2	606.6	592.9	591.3
20°	3911.5	2800.2	1129.6	735.7	668.9	624.8	595.9	573.1	559.4	544.3	542.7
22.5°	4081.8	2785.0	974.5	682.5	620.2	577.7	545.7	523.0	509.2	497.1	495.6
25°	4277.8	2772.8	845.2	634.0	574.6	532.1	497.1	475.8	460.6	450.0	448.4
27.5°	4466.3	2754.6	751.0	589.9	530.5	489.5	456.0	431.7	418.1	410.4	410.4
30°	4651.9	2750.1	716.1	547.2	491.1	450.0	416.6	393.7	383.0	380.1	378.5
32.5°	4875.3	2762.3	731.2	532.1	454.6	413.5	381.6	364.9	354.2	354.2	354.2
35°	5114.0	2759.2	754.0	545.7	430.2	377.0	352.7	342.0	331.4	331.4	331.4
37.5°	5413.4	2763.7	772.2	568.6	421.1	346.7	332.9	319.3	313.1	313.1	313.1
40°	5860.4	2914.3	763.1	588.3	418.1	325.3	298.0	293.4	288.8	288.8	288.8
42.5°	6407.7	3241.0	775.3	589.9	416.6	310.2	273.7	282.8	272.1	270.6	269.1
45°	7006.7	3598.4	852.8	557.9	415.0	302.5	261.5	272.1	255.4	255.4	255.4
47.5°	7601.1	3952.5	931.9	512.3	410.4	301.0	250.8	244.8	240.2	241.7	241.7
50°	8420.5	4241.3	962.3	450.0	399.9	298.0	231.0	232.6	229.6	232.6	232.6
52.5°	9312.8	4302.2	925.8	380.1	369.4	288.8	217.4	223.4	221.9	225.0	225.0
55°	9869.2	4236.8	764.6	316.2	322.3	252.4	203.7	215.9	215.9	215.9	215.9
57.5°	10443.8	3958.7	542.7	256.9	267.5	206.7	191.6	208.3	206.7	205.2	205.2
60°	10857.3	3508.7	357.2	211.4	212.8	170.3	177.8	196.1	194.5	187.0	187.0
62.5°	11165.9	3011.6	229.6	179.4	162.7	153.5	162.7	177.8	171.8	155.1	152.0
65°	11131.0	2322.9	176.3	153.5	133.8	133.8	141.3	155.1	136.8	109.5	106.4
67.5°	10481.9	1571.9	146.0	129.3	112.5	111.0	117.1	129.3	117.1	92.8	89.7
70°	9322.0	1027.7	117.1	100.3	89.7	82.1	94.3	111.0	98.8	74.5	71.4
72.5°	7566.0	626.4	88.1	73.0	65.4	53.2	74.5	91.2	79.0	54.7	51.7
75°	4895.1	319.3	60.8	47.2	35.0	31.9	54.7	68.4	54.7	33.4	28.9
77.5°	1872.9	133.8	33.4	21.3	18.2	15.2	30.4	41.0	22.8	7.6	6.0
80°	360.3	56.3	16.7	10.7	9.1	6.0	4.5	3.1	0.0	0.0	0.0
82.5°	62.3	18.2	6.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	21.3	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	7.6	0.0	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)