

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: P966589

Luminaire Tested: **NVN-SB4C-722-U-T3R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P966589
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SB4C-722-U-T3R-HSS
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21159.1 lumens
Efficiency: N/A
Efficacy: 105.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G4

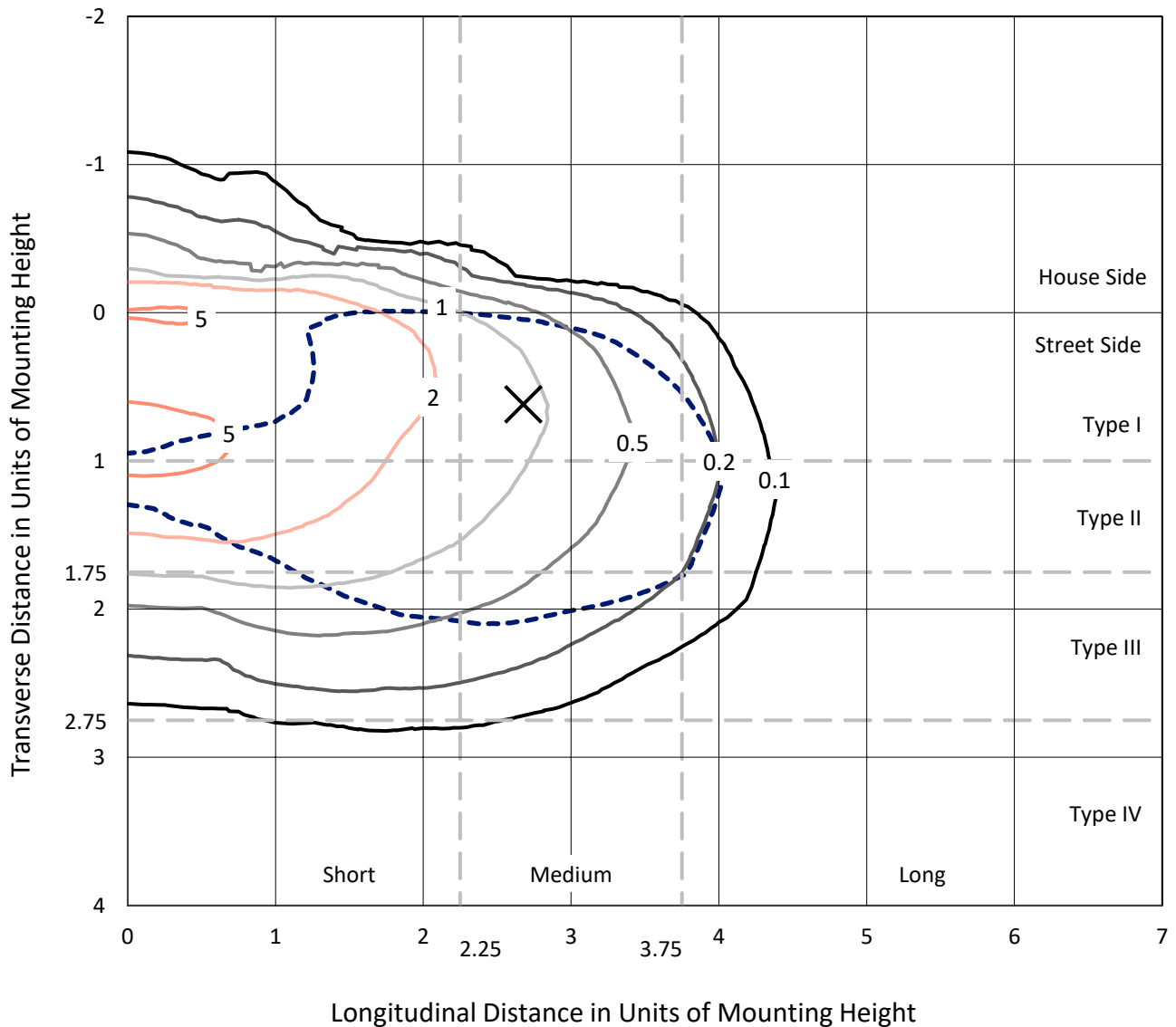
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

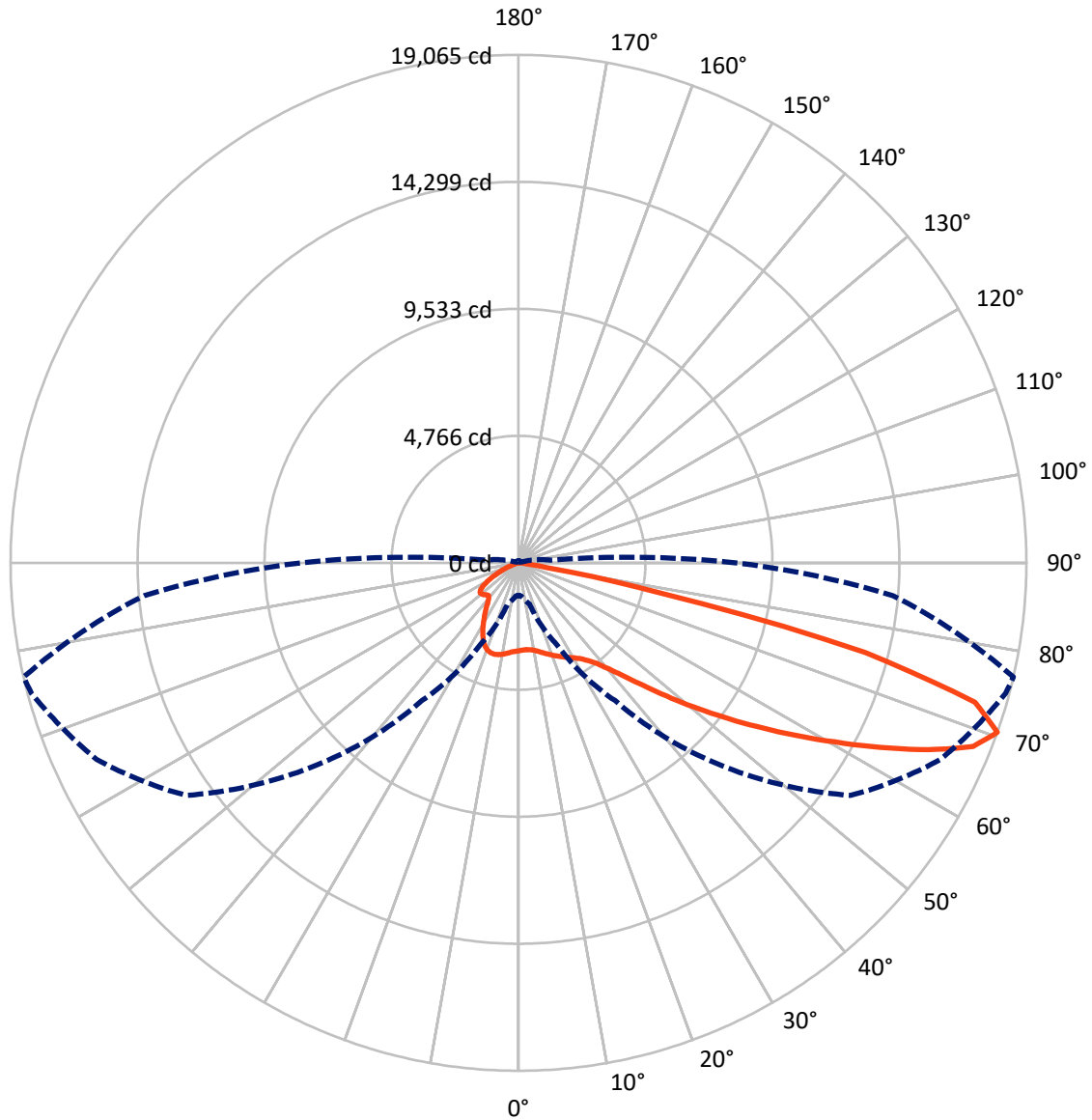
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2230.5	0.0	2230.5
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	18928.6	0.0	18928.6
	% Fixture	89.5	0.0	89.5
Total	Lumens	21159.1	0.0	21159.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	284.4	1.3
10°-20°	675.2	3.2
20°-30°	1044.4	4.9
30°-40°	1895.1	9.0
40°-50°	3577.3	16.9
50°-60°	5168.9	24.4
60°-70°	5502.2	26.0
70°-80°	2915.8	13.8
80°-90°	95.7	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°	21159.1	100.0
0°-180°	21159.1	100.0

Coefficient of Utilization

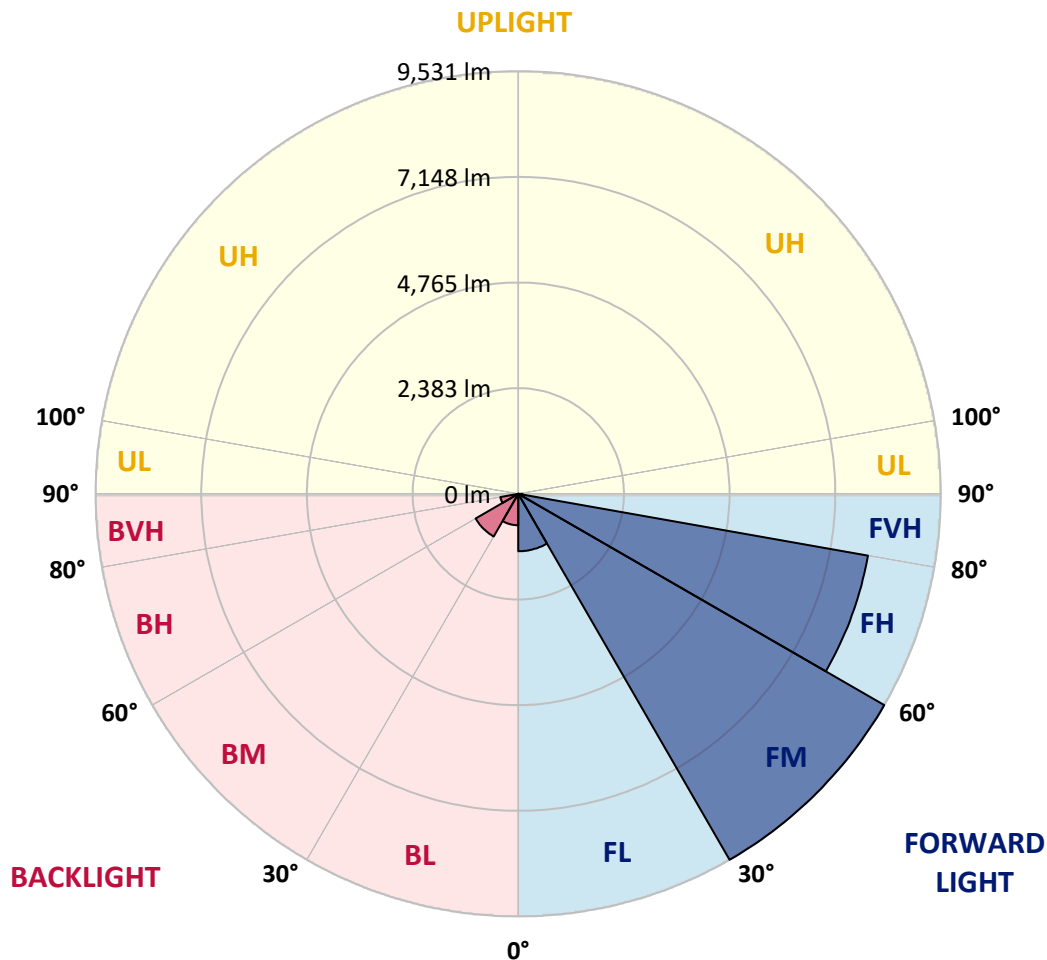


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1295.4	6.1			
FM (30°-60°)	9531.0	45.0			
FH (60°-80°)	8009.0	37.9			G4/12000
FVH (80°-90°)	93.2	0.4			G1/100
BL (0°-30°)	708.7	3.3	B2/1000		
BM (30°-60°)	1110.3	5.2	B2/2500		
BH (60°-80°)	408.9	1.9	B1/500		G1/500
BVH (80°-90°)	2.6	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-G4
 Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	3300.4	3300.4	3300.4	3300.4	3300.4	3300.4	3300.4	3300.4	3300.4	3300.4	3300.4
2.5°	3098.7	3126.8	3122.8	3141.4	3148.1	3174.8	3201.6	3237.7	3277.7	3276.4	3303.1
5°	2923.6	2951.7	2958.4	2983.8	3015.9	3057.3	3112.0	3184.2	3259.0	3271.1	3324.5
7.5°	2716.6	2745.9	2763.3	2814.0	2872.9	2958.4	3047.9	3153.4	3277.7	3295.1	3398.0
10°	2509.4	2536.2	2558.8	2631.0	2724.6	2851.4	2997.1	3149.4	3316.5	3341.8	3487.5
12.5°	2381.1	2406.5	2431.9	2494.7	2611.0	2766.0	2963.7	3168.2	3380.7	3416.6	3609.1
15°	2335.7	2358.4	2378.4	2434.6	2542.8	2719.2	2957.0	3206.9	3462.1	3510.2	3756.1
17.5°	2342.3	2354.4	2367.8	2410.5	2516.1	2697.8	2969.0	3273.7	3558.3	3601.0	3903.1
20°	2381.1	2387.8	2389.2	2418.5	2512.1	2695.1	2993.1	3337.8	3649.2	3706.6	4048.7
22.5°	2430.6	2433.2	2430.6	2450.6	2537.5	2715.2	3025.2	3415.3	3750.8	3804.2	4195.7
25°	2661.7	2611.0	2546.8	2508.1	2580.2	2754.0	3073.3	3519.5	3861.7	3913.8	4338.6
27.5°	3379.2	3233.7	3003.8	2745.9	2668.4	2810.0	3140.1	3625.1	3973.9	4020.7	4492.4
30°	4544.4	4353.4	3963.2	3382.0	2951.7	2927.6	3226.9	3730.7	4092.8	4143.6	4656.7
32.5°	5712.3	5665.5	5215.2	4410.8	3589.0	3189.5	3371.2	3873.7	4250.5	4290.5	4878.5
35°	6893.5	6798.6	6429.8	5634.8	4571.2	3722.7	3611.8	4060.7	4457.6	4503.0	5201.9
37.5°	7798.1	7740.7	7512.1	6857.5	5736.3	4545.8	4023.3	4350.7	4758.3	4809.0	5616.1
40°	8597.2	8570.4	8492.9	8061.3	7039.2	5622.7	4663.3	4799.7	5175.1	5235.3	6123.9
42.5°	9225.2	9287.9	9332.1	9211.8	8382.0	6852.1	5523.9	5430.3	5756.4	5817.9	6770.5
45°	9867.9	9889.3	10067.0	10240.7	9715.6	8137.5	6494.0	6169.3	6479.2	6555.4	7545.5
47.5°	10280.8	10366.3	10679.0	10984.9	10836.6	9412.3	7536.2	7041.9	7317.1	7460.1	8414.1
50°	10311.5	10473.2	10903.4	11436.6	11653.0	10625.6	8669.3	8036.0	8328.5	8486.3	9341.4
52.5°	9799.7	10050.9	10717.7	11498.0	12094.0	11653.0	9841.1	9030.0	9405.6	9611.3	10303.5
55°	7513.5	7842.2	10018.9	11164.0	12111.4	12432.1	10982.3	10065.7	10605.5	10837.9	11343.1
57.5°	6546.1	6711.8	7876.9	10584.2	11789.3	12746.1	12013.8	11051.8	11910.9	12199.6	12325.2
60°	5446.3	5664.2	6606.2	9635.4	11352.4	12776.8	12925.1	12323.9	13326.0	13650.7	13225.8
62.5°	3701.3	3937.8	4874.5	8005.2	10755.1	12762.2	13672.1	13633.3	14898.7	15247.5	13988.8
65°	2292.9	2441.2	3058.6	6536.7	9920.1	12778.2	14453.7	15223.4	16558.3	16912.4	14579.4
67.5°	1811.9	1880.1	2202.1	5018.8	8481.0	12417.4	15234.1	16718.7	18120.4	18400.9	14759.8
70°	1217.3	1258.7	1602.1	3364.6	6309.6	10752.5	15219.4	17469.6	18924.7	19065.0	14102.4
72.5°	641.3	673.4	936.6	1558.0	3810.8	7643.1	12828.9	16571.7	18124.4	17913.2	12053.9
75°	320.7	374.1	630.7	791.0	1627.5	4262.5	7966.5	13065.5	14265.3	13447.6	7733.9
77.5°	243.2	294.0	521.1	521.1	566.5	1435.1	3373.9	7126.0	6572.8	5473.1	2270.2
80°	155.0	200.4	455.6	394.2	236.5	364.8	879.2	1996.3	1396.4	1062.3	412.9
82.5°	90.8	131.0	379.5	260.6	132.3	135.0	248.6	425.0	362.1	282.0	126.9
85°	36.1	85.5	260.6	102.9	52.1	33.4	74.8	90.8	74.8	56.2	32.1
87.5°	0.0	20.1	45.4	0.0	4.0	2.7	5.3	6.7	6.7	5.3	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°	3300.4	3300.4	3300.4	3300.4	3300.4	3300.4	3300.4	3300.4	3300.4	3300.4	3300.4
2.5°	3315.2	3317.8	3325.8	3327.2	3308.5	3284.4	3275.1	3271.1	3255.0	3253.7	3256.3
5°	3355.2	3367.2	3355.2	3320.5	3237.7	3121.4	3033.2	2961.0	2895.5	2875.5	2863.5
7.5°	3435.4	3447.4	3411.3	3275.1	3066.6	2835.5	2627.0	2480.0	2347.8	2298.3	2278.3
10°	3550.3	3566.4	3452.7	3177.5	2808.7	2437.2	2084.4	1836.0	1642.2	1563.3	1529.9
12.5°	3694.6	3701.3	3475.5	3029.2	2473.3	1942.9	1443.1	1177.2	1004.8	940.6	920.7
15°	3853.6	3844.3	3478.1	2827.5	2016.4	1373.6	942.1	773.7	704.2	682.8	682.8
17.5°	4020.7	3981.9	3424.7	2536.2	1515.3	939.3	698.8	658.8	646.8	641.3	640.0
20°	4185.0	4098.2	3327.2	2155.3	1087.6	701.5	634.7	622.7	616.0	613.4	610.7
22.5°	4334.6	4186.3	3160.2	1713.0	789.7	620.0	599.9	589.3	577.3	571.8	570.5
25°	4480.3	4237.1	2924.9	1300.1	632.0	579.9	563.9	543.9	527.8	521.1	518.4
27.5°	4621.9	4269.2	2631.0	962.1	563.9	542.5	513.1	485.0	473.0	470.4	467.7
30°	4772.9	4279.9	2296.9	717.5	522.4	495.7	452.9	420.9	414.2	415.5	415.5
32.5°	4957.3	4295.9	1960.2	587.9	487.7	439.6	388.9	355.5	350.0	355.5	354.1
35°	5177.8	4328.0	1635.5	541.2	456.9	382.1	327.4	299.3	294.0	298.0	296.6
37.5°	5477.1	4380.1	1332.2	531.8	431.6	334.0	275.2	252.6	252.6	253.9	252.6
40°	5875.3	4519.0	1061.0	525.1	418.2	298.0	232.5	223.1	227.1	229.8	229.8
42.5°	6360.3	4814.3	877.9	517.1	403.5	282.0	211.2	207.2	213.8	216.5	216.5
45°	6904.2	5188.4	813.7	503.8	390.2	292.6	201.7	196.4	204.5	205.8	207.2
47.5°	7466.7	5554.6	805.8	489.0	376.8	308.6	199.1	187.1	196.4	197.7	199.1
50°	8036.0	5793.8	813.7	466.4	355.5	308.6	200.4	177.7	185.7	189.7	191.1
52.5°	8609.2	5903.4	808.4	416.9	318.1	290.0	200.4	169.7	177.7	180.4	180.4
55°	9165.0	5882.0	726.9	343.4	269.9	256.6	195.1	163.0	168.4	169.7	169.7
57.5°	9604.7	5584.0	575.9	267.2	219.1	213.8	177.7	155.0	159.0	157.6	157.6
60°	9834.5	4929.2	411.5	205.8	172.4	168.4	156.3	144.3	147.0	140.3	139.0
62.5°	9837.1	4063.4	275.2	163.0	137.7	133.7	133.7	129.7	126.9	113.6	109.6
65°	9627.4	3102.7	183.1	129.7	110.9	104.2	112.2	110.9	101.6	82.8	80.2
67.5°	9151.7	2033.7	139.0	101.6	85.5	81.5	89.5	93.6	86.8	69.5	68.2
70°	8173.6	1183.9	114.9	78.8	64.2	60.2	72.2	80.2	72.2	56.2	53.4
72.5°	6789.3	638.7	93.6	58.8	44.1	40.1	57.5	65.5	57.5	41.4	40.1
75°	4405.4	342.0	72.2	38.7	22.8	25.4	42.7	48.1	40.1	26.8	24.1
77.5°	1479.2	151.0	45.4	18.8	10.7	10.7	25.4	29.4	18.8	9.3	8.0
80°	330.0	62.8	18.8	8.0	4.0	4.0	5.3	5.3	2.7	0.0	0.0
82.5°	108.2	25.4	8.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	41.4	9.3	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	16.0	1.3	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)