

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: P970277

Luminaire Tested: **NVN-SB6B-722-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P970277
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: STREETWORKS
Catalog Number: NVN-SB6B-722-U-T3-HSS
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 450mA 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: 22676.1 lumens
Efficiency: N/A
Efficacy: 102.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

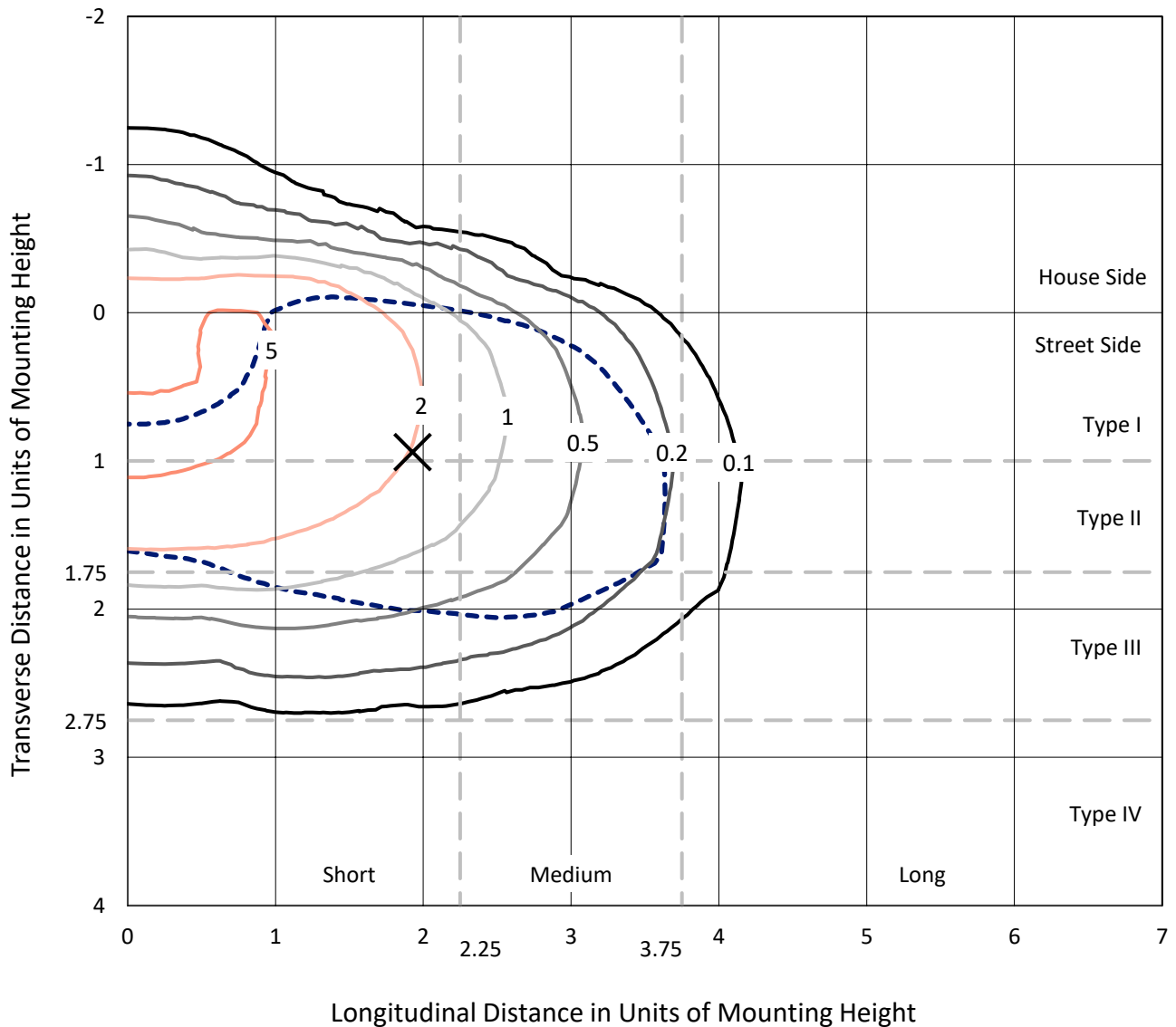
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

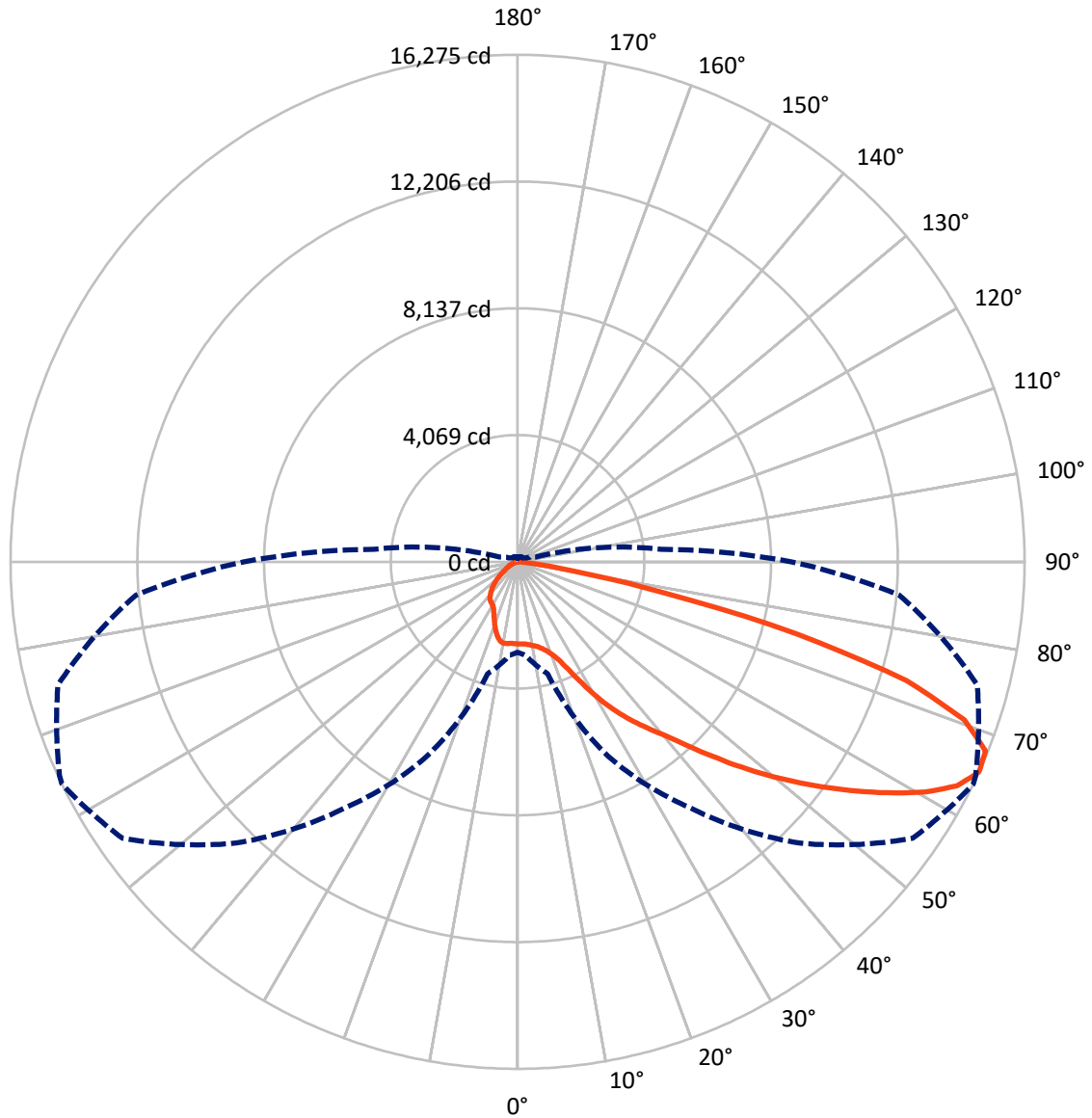
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3032.5	0.0	3032.5
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	19643.6	0.0	19643.6
	% Fixture	86.6	0.0	86.6
Total	Lumens	22676.1	0.0	22676.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.3	1.1
10°-20°	660.0	2.9
20°-30°	1250.6	5.5
30°-40°	2530.7	11.2
40°-50°	4311.0	19.0
50°-60°	5862.6	25.9
60°-70°	5505.3	24.3
70°-80°	2205.7	9.7
80°-90°	106.9	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°	22676.1	100.0
0°-180°	22676.1	100.0

Coefficient of Utilization



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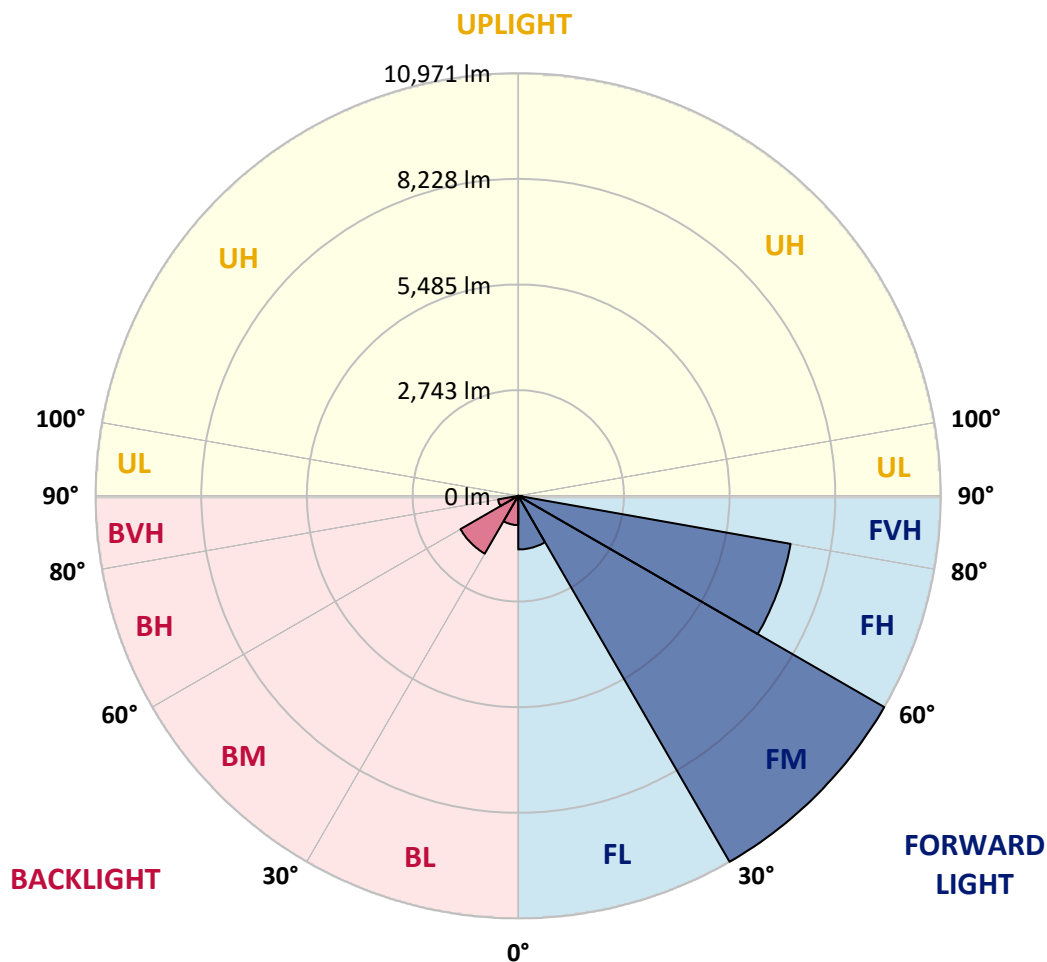
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1392.6	6.1			
FM (30°-60°)	10970.7	48.4			
FH (60°-80°)	7178.7	31.7			G3/7500
FVH (80°-90°)	101.6	0.4			G2/225
BL (0°-30°)	761.4	3.4	B2/1000		
BM (30°-60°)	1733.6	7.6	B2/2500		
BH (60°-80°)	532.2	2.3	B2/1000		G2/1000
BVH (80°-90°)	5.2	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°	2637.4	2637.4	2637.4	2637.4	2637.4	2637.4	2637.4	2637.4	2637.4	2637.4	2637.4
2.5°	2628.3	2646.5	2642.0	2637.4	2636.0	2639.0	2640.5	2639.0	2639.0	2639.0	2640.5
5°	2578.2	2593.4	2593.4	2604.0	2619.2	2637.4	2651.2	2654.1	2657.2	2661.8	2660.3
7.5°	2482.4	2494.5	2503.7	2538.6	2576.6	2625.3	2666.3	2687.7	2690.6	2707.4	2713.5
10°	2417.1	2432.2	2447.5	2483.9	2538.6	2611.6	2681.5	2733.3	2740.8	2780.3	2798.6
12.5°	2414.0	2429.2	2448.9	2488.5	2552.4	2629.8	2715.0	2789.4	2803.2	2860.9	2898.9
15°	2446.0	2464.2	2482.4	2531.0	2599.5	2693.7	2784.9	2877.7	2891.3	2973.4	3014.4
17.5°	2511.2	2535.6	2549.3	2598.0	2670.9	2775.8	2895.9	3002.3	3014.4	3110.3	3161.9
20°	2640.5	2669.4	2673.9	2713.5	2784.9	2897.4	3040.3	3172.6	3187.7	3297.2	3354.9
22.5°	2908.0	2949.1	2912.6	2932.4	2996.2	3108.7	3263.8	3431.0	3452.3	3576.9	3628.6
25°	3379.3	3437.0	3342.8	3309.4	3336.7	3453.7	3648.4	3859.6	3884.0	3984.3	4010.2
27.5°	4305.1	4230.6	4087.7	3947.8	3865.8	3932.6	4151.6	4413.0	4443.4	4540.6	4510.3
30°	5322.0	5256.7	5063.6	4753.5	4558.9	4548.3	4750.5	5042.4	5077.3	5170.0	5077.3
32.5°	6340.5	6278.2	6068.4	5686.9	5349.4	5182.2	5322.0	5645.8	5664.0	5723.4	5586.6
35°	7342.4	7278.5	7068.7	6678.0	6263.1	5883.0	5855.6	6220.4	6226.6	6288.9	6085.1
37.5°	8350.2	8297.0	8073.5	7690.5	7281.5	6757.1	6503.2	6764.7	6772.3	6833.1	6621.8
40°	9069.2	9092.1	8938.5	8642.1	8290.9	7717.8	7229.8	7343.8	7298.2	7400.1	7273.9
42.5°	9686.5	9732.0	9598.2	9449.3	9245.6	8740.9	8129.8	8110.0	8037.0	8091.8	7961.1
45°	10220.0	10258.0	10137.9	10102.9	10098.4	9744.2	9113.3	8994.8	8892.9	8882.2	8725.6
47.5°	10416.0	10489.0	10540.7	10657.7	10885.8	10736.9	10130.3	9946.4	9832.3	9748.8	9500.9
50°	10490.6	10568.1	10744.5	11085.0	11624.6	11688.5	11142.7	10935.9	10796.1	10644.1	10279.3
52.5°	10390.2	10528.6	10765.7	11338.9	12121.6	12451.6	12114.1	11933.2	11773.6	11525.8	10984.6
55°	9798.9	9937.3	10422.2	11335.8	12369.5	12986.6	13032.3	12951.7	12772.3	12381.6	11554.7
57.5°	8552.4	8757.6	9525.2	10949.7	12364.9	13447.3	13932.2	13989.9	13789.3	13229.9	12003.2
60°	6825.5	7103.7	8040.1	10093.8	11983.4	13696.6	14721.2	15010.0	14797.1	14066.0	12366.4
62.5°	4762.7	5084.9	5971.1	8753.0	11110.8	13517.2	15297.3	15830.8	15669.7	14813.9	12506.3
65°	2905.1	3008.4	3722.8	6887.8	9627.1	12766.3	15475.1	16274.7	16221.5	15271.5	12299.6
67.5°	1935.2	2021.8	2227.0	4723.1	7473.1	11265.9	15049.5	16197.3	16212.4	15197.0	11542.5
70°	1165.9	1240.5	1374.2	2746.9	4843.2	8917.2	13731.5	15209.2	15297.3	14201.3	10107.5
72.5°	480.4	530.5	652.1	1245.0	2508.3	5659.5	10934.5	13058.1	13263.3	11940.8	7757.3
75°	272.1	298.0	383.0	624.7	1088.4	2637.4	6623.3	9269.9	9572.4	8230.1	4666.8
77.5°	180.9	193.1	247.7	404.4	612.6	900.0	2830.5	4829.5	5407.2	4495.1	2020.3
80°	121.6	132.2	170.3	270.6	398.3	386.1	901.5	1789.2	2201.2	1544.5	492.5
82.5°	82.1	83.6	121.6	177.8	252.4	187.0	266.0	556.4	699.3	446.9	187.0
85°	47.2	45.6	89.7	103.3	112.4	77.5	80.6	167.2	218.9	188.5	106.4
87.5°	6.0	9.1	35.0	27.4	15.2	16.7	16.7	28.9	42.5	45.6	22.8
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°	2637.4	2637.4	2637.4	2637.4	2637.4	2637.4	2637.4	2637.4	2637.4	2637.4	2637.4
2.5°	2640.5	2639.0	2634.5	2629.8	2619.2	2613.1	2616.2	2613.1	2611.6	2613.1	2619.2
5°	2660.3	2655.7	2643.6	2628.3	2607.1	2581.3	2564.4	2540.2	2517.4	2503.7	2506.7
7.5°	2713.5	2708.9	2692.2	2649.6	2581.3	2473.3	2374.5	2287.8	2222.5	2184.5	2186.0
10°	2798.6	2791.0	2765.1	2670.9	2491.6	2255.9	2059.8	1897.2	1790.8	1740.6	1736.0
12.5°	2898.9	2889.8	2844.2	2651.2	2321.3	1953.4	1682.8	1501.9	1403.1	1359.0	1354.4
15°	3017.5	3005.3	2915.6	2556.9	2073.5	1619.0	1371.1	1235.8	1172.1	1132.5	1134.1
17.5°	3165.0	3143.7	2968.8	2415.5	1804.4	1363.6	1179.7	1077.8	1021.5	983.5	980.5
20°	3356.5	3321.5	3011.4	2246.8	1556.7	1202.4	1050.4	965.3	922.7	889.3	883.2
22.5°	3624.1	3573.9	3063.1	2064.4	1381.8	1091.4	954.7	892.4	857.4	819.4	813.2
25°	3955.5	3896.1	3127.0	1895.6	1261.8	995.7	884.7	833.0	792.0	747.9	743.3
27.5°	4419.1	4312.7	3202.9	1757.3	1158.4	913.6	820.9	763.1	716.0	679.5	671.9
30°	4935.9	4761.1	3269.9	1673.7	1064.2	837.6	737.3	679.5	635.4	609.6	605.1
32.5°	5425.4	5188.2	3313.9	1637.2	979.0	750.9	646.1	583.7	550.3	542.7	547.2
35°	5887.5	5574.4	3309.4	1602.3	902.9	664.3	556.4	492.5	466.7	471.3	471.3
37.5°	6419.6	5986.3	3277.4	1547.5	840.6	585.3	478.9	422.6	399.7	401.3	407.4
40°	7038.3	6462.2	3257.7	1444.1	772.2	512.3	415.0	369.4	352.7	346.6	345.1
42.5°	7698.1	6922.7	3260.7	1327.1	687.1	446.9	370.9	332.9	317.8	313.1	311.6
45°	8360.8	7362.1	3265.2	1205.5	597.4	396.8	339.0	307.1	298.0	291.9	291.9
47.5°	8984.1	7736.1	3180.2	1074.7	509.2	358.7	313.1	291.9	284.2	276.6	276.6
50°	9564.8	7985.4	2975.0	922.7	439.3	328.3	293.4	278.2	270.6	263.0	263.0
52.5°	10016.3	8024.9	2636.0	766.2	390.7	305.6	281.3	267.5	258.4	250.8	249.3
55°	10216.9	7777.1	2154.0	620.2	352.7	285.8	269.1	255.4	244.8	237.2	235.6
57.5°	10165.2	7255.7	1679.8	498.6	316.2	266.0	253.9	244.8	232.6	220.4	218.9
60°	9911.3	6558.0	1266.3	415.0	282.8	244.8	237.2	229.5	212.8	194.5	191.6
62.5°	9472.0	5680.9	902.9	343.6	246.3	220.4	217.4	211.3	187.0	153.5	150.5
65°	8800.1	4615.2	608.0	285.8	211.3	193.1	194.5	184.0	152.0	114.0	111.0
67.5°	7818.2	3374.7	389.2	234.1	176.3	161.1	162.7	156.6	129.3	97.3	92.8
70°	6567.1	2234.6	253.9	177.8	141.3	124.6	133.8	135.3	109.5	79.0	76.1
72.5°	4814.3	1319.5	177.8	132.2	103.3	86.6	109.5	112.4	88.1	59.2	56.3
75°	2743.8	626.3	133.8	95.7	63.9	60.8	85.2	85.2	60.8	39.6	36.5
77.5°	1152.3	261.5	94.3	62.3	36.5	35.0	57.8	53.2	30.4	18.2	18.2
80°	332.9	117.1	50.1	30.4	15.2	13.6	22.8	16.7	7.6	3.1	3.1
82.5°	130.7	51.7	19.8	12.2	6.0	6.0	3.1	0.0	0.0	0.0	0.0
85°	77.5	21.3	9.1	4.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	19.8	4.5	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)