

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: P1211381

Luminaire Tested: **ARCH4-260-722-U-T2RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211381
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-1)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH4-260-722-U-T2RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 1010mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE II
ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32059 lumens
Efficiency: N/A
Efficacy: 123.7 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 0.58' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 259.2
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



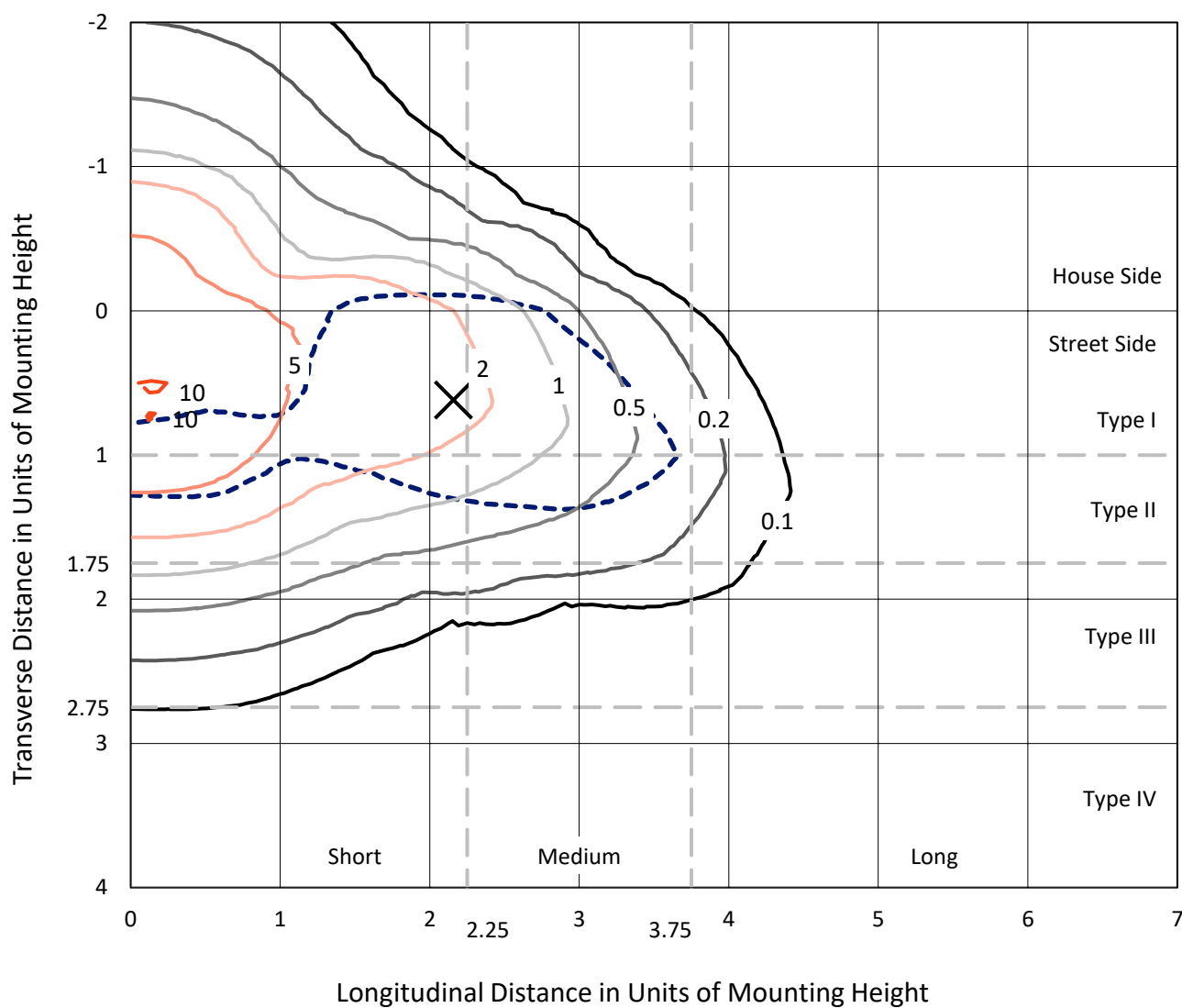
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

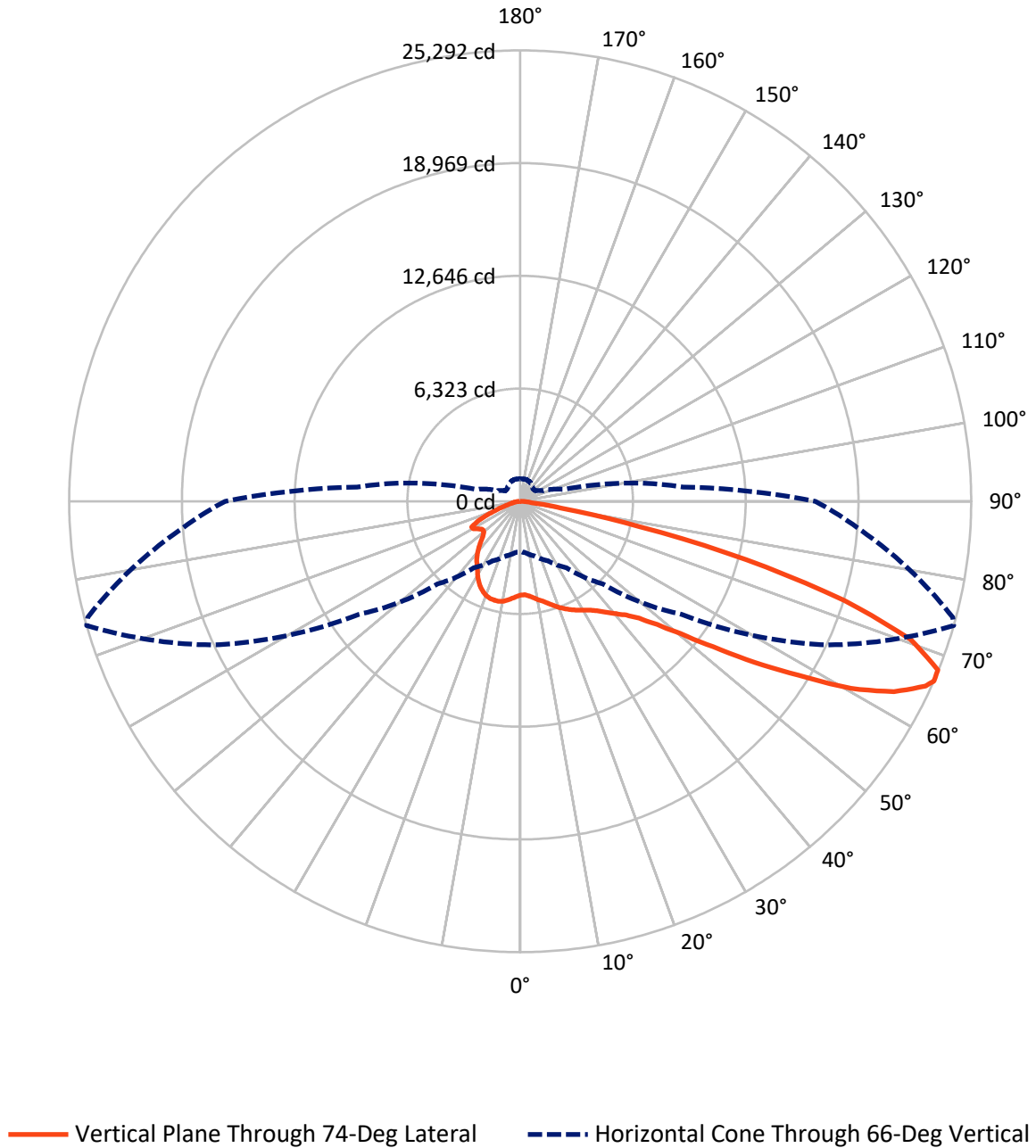


Based on 25 foot mounting height. Maximum calculated value = 10.1 fc

Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7807.2	0.0	7807.2
	% Fixture	24.4	0.0	24.4
Street Side	Lumens	24251.8	0.0	24251.8
	% Fixture	75.6	0.0	75.6
Total	Lumens	32059.0	0.0	32059.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	501.3	1.6
10°-20°	1541.7	4.8
20°-30°	2893.0	9.0
30°-40°	4450.1	13.9
40°-50°	5985.8	18.7
50°-60°	7078.9	22.1
60°-70°	6548.4	20.4
70°-80°	2754.9	8.6
80°-90°	304.8	1.0
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°	32059.0	100.0
0°-180°	32059.0	100.0

Coefficient of Utilization



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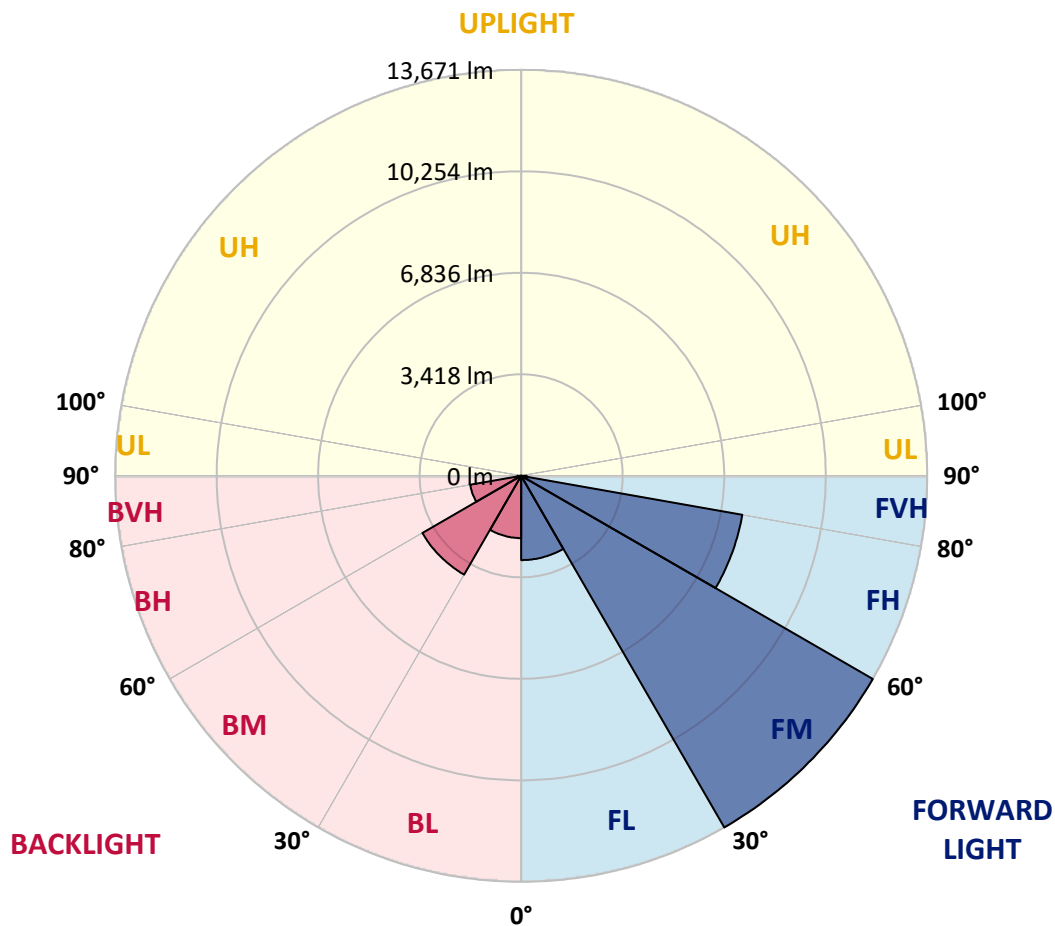
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2837.6	8.9			
FM	(30°-60°)	13671.4	42.6			
FH	(60°-80°)	7560.4	23.6			G4/12000
FVH	(80°-90°)	182.4	0.6			G2/225
BL	(0°-30°)	2098.4	6.5	B3/2500		
BM	(30°-60°)	3843.5	12.0	B3/5000		
BH	(60°-80°)	1742.9	5.4	B3/2500		G3/2500
BVH	(80°-90°)	122.5	0.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	5255.5	5255.5	5255.5	5255.5	5255.5	5255.5	5255.5	5255.5	5255.5	5255.5	5255.5
2.5°	5239.0	5230.8	5247.3	5272.0	5284.4	5263.8	5255.5	5251.4	5251.4	5239.0	5259.7
5°	4991.5	4987.4	5024.5	5069.9	5156.5	5218.4	5300.9	5350.4	5333.9	5309.2	5325.7
7.5°	4669.8	4661.5	4706.9	4793.5	4913.1	5049.3	5251.4	5408.2	5470.0	5461.8	5457.7
10°	4793.5	4785.3	4781.1	4756.4	4797.6	4929.6	5140.0	5416.4	5626.8	5630.9	5635.1
12.5°	5222.5	5243.2	5222.5	5144.2	5053.4	5003.9	5127.7	5437.0	5758.8	5783.6	5886.7
15°	5808.3	5787.7	5746.4	5655.7	5515.4	5366.9	5276.2	5531.9	5948.6	5969.2	6196.1
17.5°	6324.0	6340.5	6315.7	6229.1	6064.1	5870.2	5593.8	5696.9	6150.7	6208.5	6526.1
20°	6885.0	6951.0	6918.0	6810.7	6674.6	6385.8	6039.3	5936.2	6373.5	6414.7	6868.5
22.5°	7532.7	7602.8	7540.9	7437.8	7326.4	6971.6	6526.1	6229.1	6559.1	6645.7	7198.5
25°	8308.2	8374.2	8316.5	8155.6	8015.3	7582.2	7050.0	6559.1	6740.6	6835.5	7466.7
27.5°	8922.9	8972.4	9026.0	8931.1	8716.6	8266.9	7594.5	6901.5	6922.1	7021.1	7714.2
30°	9471.5	9595.3	9640.6	9653.0	9471.5	8968.2	8151.4	7256.3	7078.9	7182.0	7961.7
32.5°	10222.3	10407.9	10333.7	10407.9	10300.7	9628.3	8729.0	7623.4	7281.0	7375.9	8196.8
35°	11319.6	11468.1	11274.2	11216.5	11043.2	10296.6	9285.9	8002.9	7549.2	7652.3	8419.6
37.5°	12499.4	12668.6	12388.0	12157.0	11827.0	10956.6	9764.4	8502.1	7920.4	8002.9	8625.8
40°	13530.7	13671.0	13427.6	13122.3	12569.6	11538.3	10176.9	8852.7	8291.7	8394.8	8865.1
42.5°	14483.7	14574.4	14302.2	14009.3	13270.8	12062.2	10622.5	9224.0	8724.8	8823.9	9059.0
45°	15449.0	15519.1	15139.6	14722.9	13856.6	12540.7	11113.4	9743.8	9360.1	9492.1	9372.5
47.5°	15622.2	15642.9	15576.8	15296.3	14318.7	12998.6	11719.8	10440.9	10329.6	10473.9	9912.9
50°	14421.8	14607.4	15015.8	15292.2	14504.3	13382.2	12326.2	11439.2	11666.1	11851.8	11035.0
52.5°	12091.0	12268.4	13213.1	14260.9	14058.8	13468.9	12978.0	12705.7	13551.4	13774.1	12561.3
55°	9632.4	9789.2	10787.5	12297.3	12619.1	13072.8	13675.1	14322.8	15956.4	16104.9	14236.1
57.5°	7932.8	8019.4	8733.1	10185.2	10700.8	11806.4	14050.5	16245.1	18402.6	18629.5	15692.4
60°	6505.5	6600.4	7132.5	8328.8	9013.6	9995.4	13753.5	18142.7	21323.3	21323.3	17561.1
62.5°	4896.6	4979.1	5474.2	6410.6	7561.5	8460.8	12804.7	19400.9	23526.2	23427.1	18914.2
65°	3362.1	3428.1	3787.0	4409.9	5445.3	7210.9	11509.4	19417.4	24986.5	24854.5	19491.7
66°	2821.7	2879.4	3184.7	3688.0	4558.4	6542.6	11051.5	19066.8	25291.8	25106.1	19248.3
67.5°	2227.6	2268.9	2471.0	2768.0	3341.4	5296.8	10329.6	18072.6	25262.9	25151.5	18629.5
70°	1592.3	1621.2	1769.7	1831.6	1976.0	3065.0	8205.1	15828.5	23237.4	23270.4	16195.6
72.5°	1233.4	1278.8	1369.6	1382.0	1348.9	1629.5	4979.1	13204.8	19009.0	18996.7	12020.9
75°	994.2	1018.9	1064.3	1089.1	1080.8	1051.9	2108.0	9851.0	13085.2	13237.8	6732.4
77.5°	783.8	779.7	820.9	853.9	878.7	825.0	965.3	5775.3	6860.2	6666.4	2528.8
80°	577.5	577.5	635.3	647.7	684.8	693.0	643.5	2227.6	2355.5	2141.0	655.9
82.5°	379.5	379.5	441.4	449.6	486.8	540.4	466.2	668.3	651.8	618.8	297.0
85°	206.3	198.0	218.6	247.5	268.1	317.6	280.5	334.1	342.4	338.3	198.0
87.5°	41.3	37.1	57.8	66.0	74.3	99.0	90.8	136.1	189.8	185.6	86.6
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°	5255.5	5255.5	5255.5	5255.5	5255.5	5255.5	5255.5	5255.5	5255.5	5255.5	5255.5
2.5°	5288.5	5284.4	5329.8	5383.4	5445.3	5482.4	5498.9	5527.8	5507.2	5515.4	5540.2
5°	5366.9	5379.3	5445.3	5515.4	5544.3	5523.7	5478.3	5461.8	5424.7	5416.4	5408.2
7.5°	5482.4	5503.0	5569.1	5585.6	5498.9	5354.5	5251.4	5193.7	5131.8	5115.3	5107.0
10°	5672.2	5684.6	5701.1	5531.9	5317.4	5123.5	4995.6	4942.0	4900.8	4867.8	4876.0
12.5°	5911.4	5903.2	5775.3	5424.7	5119.4	4921.4	4834.8	4801.8	4772.9	4752.3	4748.1
15°	6212.6	6154.8	5787.7	5276.2	4933.8	4768.8	4706.9	4694.5	4661.5	4661.5	4657.4
17.5°	6517.9	6369.3	5779.4	5119.4	4756.4	4665.6	4628.5	4620.3	4612.0	4607.9	4620.3
20°	6823.1	6559.1	5713.4	4925.5	4632.6	4579.0	4570.7	4574.9	4566.6	4579.0	4570.7
22.5°	7091.3	6682.9	5589.7	4719.3	4546.0	4541.9	4521.2	4529.5	4558.4	4562.5	4574.9
25°	7297.5	6728.2	5408.2	4529.5	4484.1	4475.9	4500.6	4533.6	4558.4	4562.5	4583.1
27.5°	7466.7	6703.5	5181.3	4381.0	4376.9	4422.2	4496.5	4508.9	4513.0	4513.0	4496.5
30°	7594.5	6649.9	4892.5	4216.0	4236.6	4348.0	4418.1	4418.1	4385.1	4376.9	4401.6
32.5°	7623.4	6579.7	4579.0	4046.8	4079.8	4211.9	4298.5	4269.6	4232.5	4232.5	4249.0
35°	7648.2	6484.9	4327.4	3815.8	3865.3	4022.1	4104.6	4046.8	4005.6	3993.2	3989.1
37.5°	7639.9	6447.7	4100.5	3522.9	3588.9	3741.6	3795.2	3741.6	3679.7	3650.8	3688.0
40°	7648.2	6423.0	3815.8	3201.2	3267.2	3357.9	3428.1	3386.8	3329.1	3254.8	3291.9
42.5°	7697.7	6456.0	3502.3	2887.7	2887.7	2937.2	3056.8	3027.9	2887.7	2858.8	2891.8
45°	7961.7	6633.4	3188.8	2574.1	2528.8	2561.8	2685.5	2561.8	2475.1	2475.1	2504.0
47.5°	8601.1	6963.4	2912.4	2297.8	2190.5	2256.5	2289.5	2174.0	2108.0	2091.5	2120.4
50°	9904.7	7623.4	2747.4	2070.9	1938.9	1988.4	1967.7	1963.6	1897.6	1905.9	1922.4
52.5°	11884.8	8910.5	2697.9	1959.5	1794.5	1806.8	1786.2	1794.5	1782.1	1823.3	1835.7
55°	14042.3	10267.7	2759.8	1976.0	1695.5	1608.8	1617.1	1658.3	1707.8	1773.8	1786.2
57.5°	15655.2	10948.3	2920.7	2087.4	1571.7	1439.7	1460.3	1538.7	1633.6	1687.2	1716.1
60°	16855.7	10865.8	3155.8	2116.2	1423.2	1287.1	1324.2	1439.7	1522.2	1567.6	1596.5
62.5°	17247.6	10350.2	3213.5	1905.9	1229.3	1142.7	1233.4	1353.1	1390.2	1439.7	1460.3
65°	16925.8	9620.0	2792.8	1547.0	1080.8	1035.4	1167.4	1258.2	1307.7	1332.4	1336.6
66°	16546.3	9182.7	2565.9	1406.7	1027.2	1002.4	1142.7	1216.9	1266.4	1262.3	1266.4
67.5°	15713.0	8266.9	2198.7	1208.7	948.8	952.9	1101.4	1150.9	1167.4	1155.1	1155.1
70°	12879.0	5820.7	1575.8	915.8	833.3	891.0	990.1	1002.4	1039.6	1023.1	1023.1
72.5°	7941.1	2858.8	1056.1	701.3	742.5	833.3	829.2	870.4	957.1	981.8	998.3
75°	3902.5	1159.2	697.2	594.0	664.2	697.2	688.9	792.0	915.8	1023.1	1060.2
77.5°	1481.0	577.5	486.8	519.8	536.3	523.9	548.7	717.8	915.8	1109.7	1146.8
80°	457.9	400.1	383.6	429.0	404.3	383.6	412.5	594.0	775.5	841.5	841.5
82.5°	276.4	313.5	297.0	292.9	272.3	276.4	297.0	424.9	598.2	627.0	627.0
85°	193.9	206.3	169.1	160.9	156.8	152.6	152.6	247.5	354.8	350.6	363.0
87.5°	74.3	82.5	61.9	61.9	57.8	41.3	33.0	41.3	41.3	28.9	20.6
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)