

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: P1211172

Luminaire Tested: **ARCH4-190-740-U-T2RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211172
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-3)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH4-190-740-U-T2RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 4000K, 1530mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE II
ROADWAY ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21733 lumens
Efficiency: N/A
Efficacy: 114.4 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 0.58' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G3

Input Watts (W): 190
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

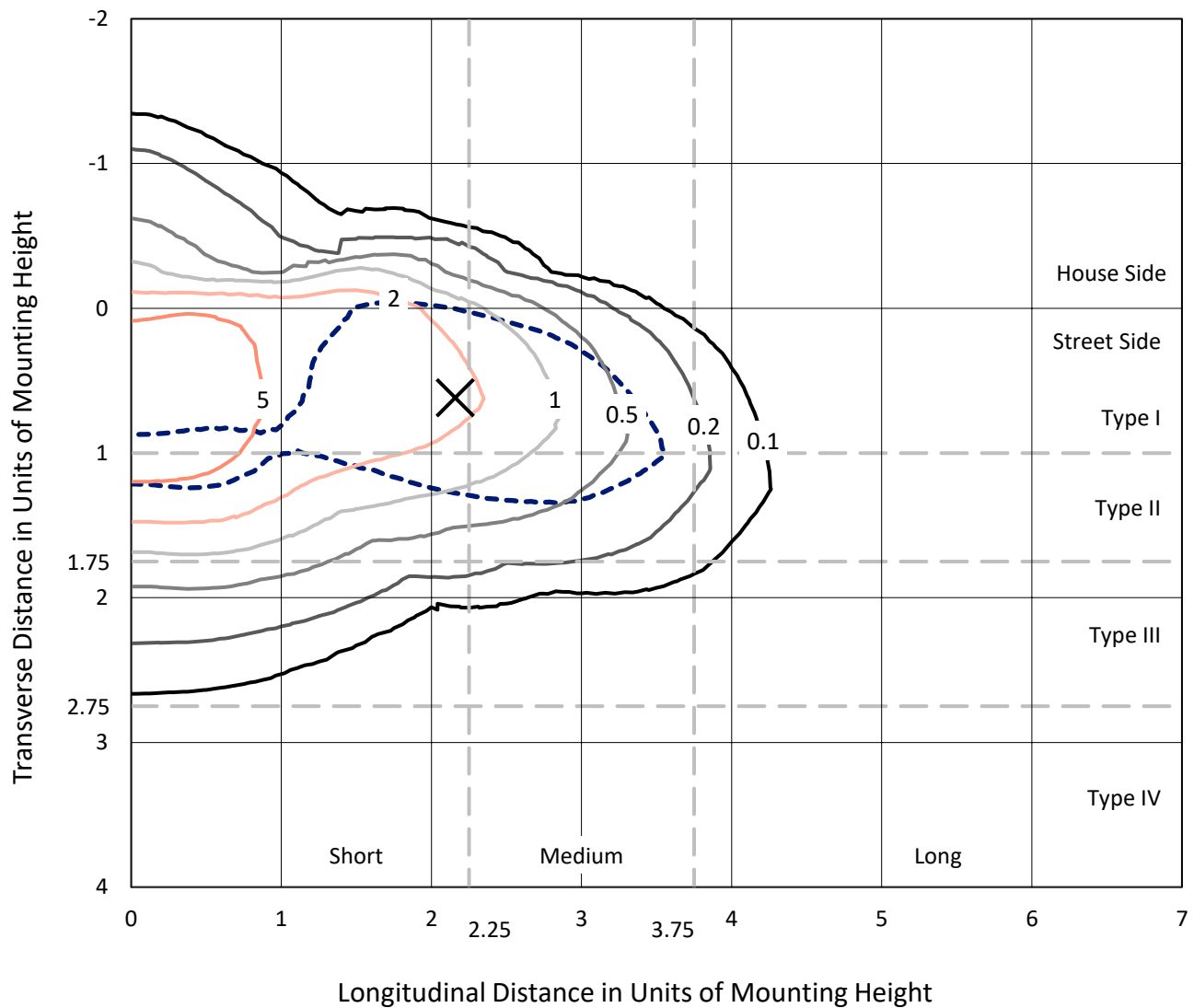


REPORT NUMBER: P1211172

CATALOG NUMBER: ARCH4-190-740-U-T2RE-HSS

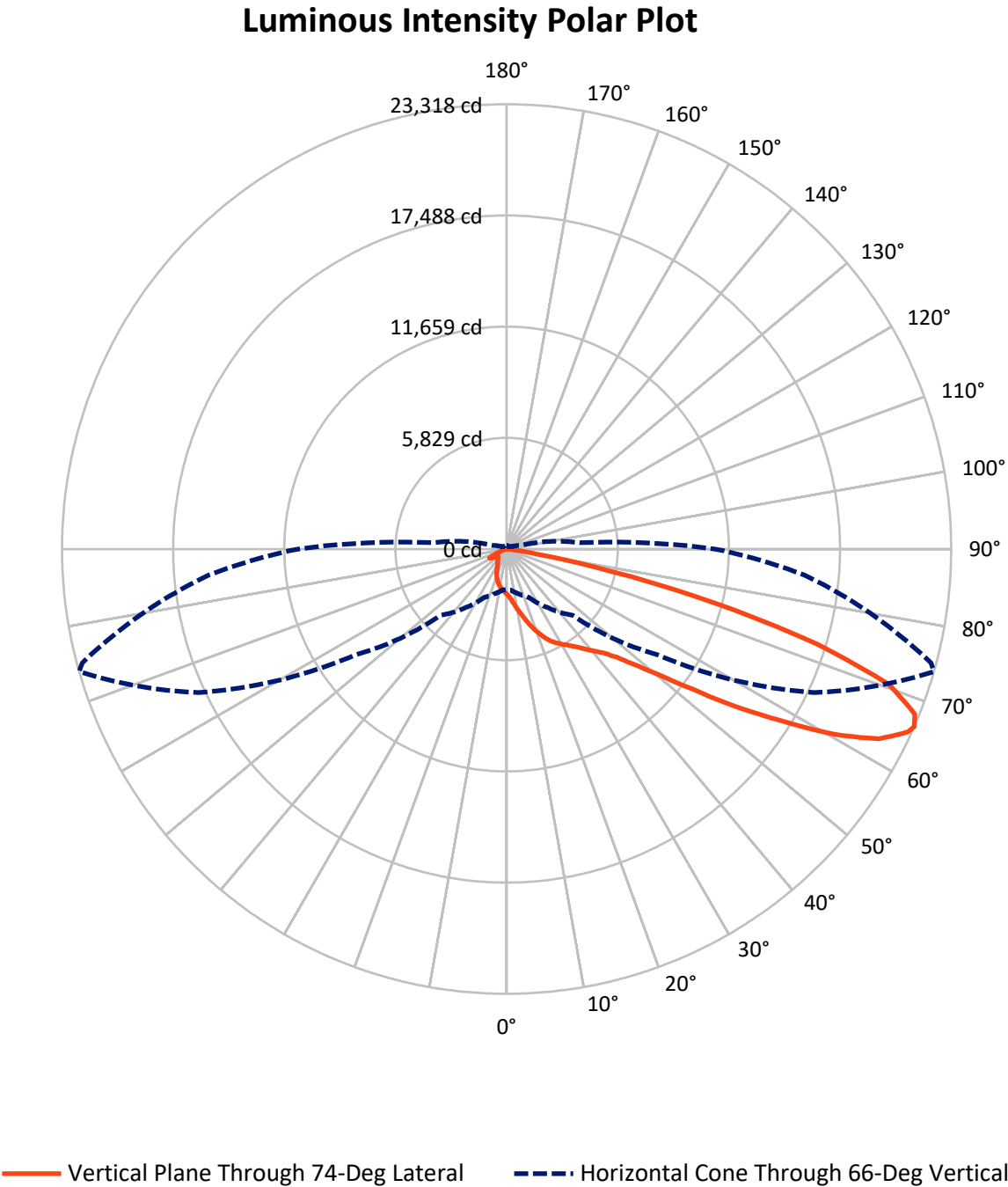
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 fc
Type II - Short - N/A

REPORT NUMBER: P1211172
CATALOG NUMBER: ARCH4-190-740-U-T2RE-HSS



REPORT NUMBER: P1211172

CATALOG NUMBER: ARCH4-190-740-U-T2RE-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2130.5	0.0	2130.5
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	19602.5	0.0	19602.5
	% Fixture	90.2	0.0	90.2
Total	Lumens	21733.0	0.0	21733.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	231.6	1.1
10°-20°	742.3	3.4
20°-30°	1416.7	6.5
30°-40°	2483.1	11.4
40°-50°	4257.9	19.6
50°-60°	5537.7	25.5
60°-70°	5013.0	23.1
70°-80°	1934.3	8.9
80°-90°	116.4	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°	21733.0	100.0
0°-180°	21733.0	100.0

Coefficient of Utilization



REPORT NUMBER: P1211172

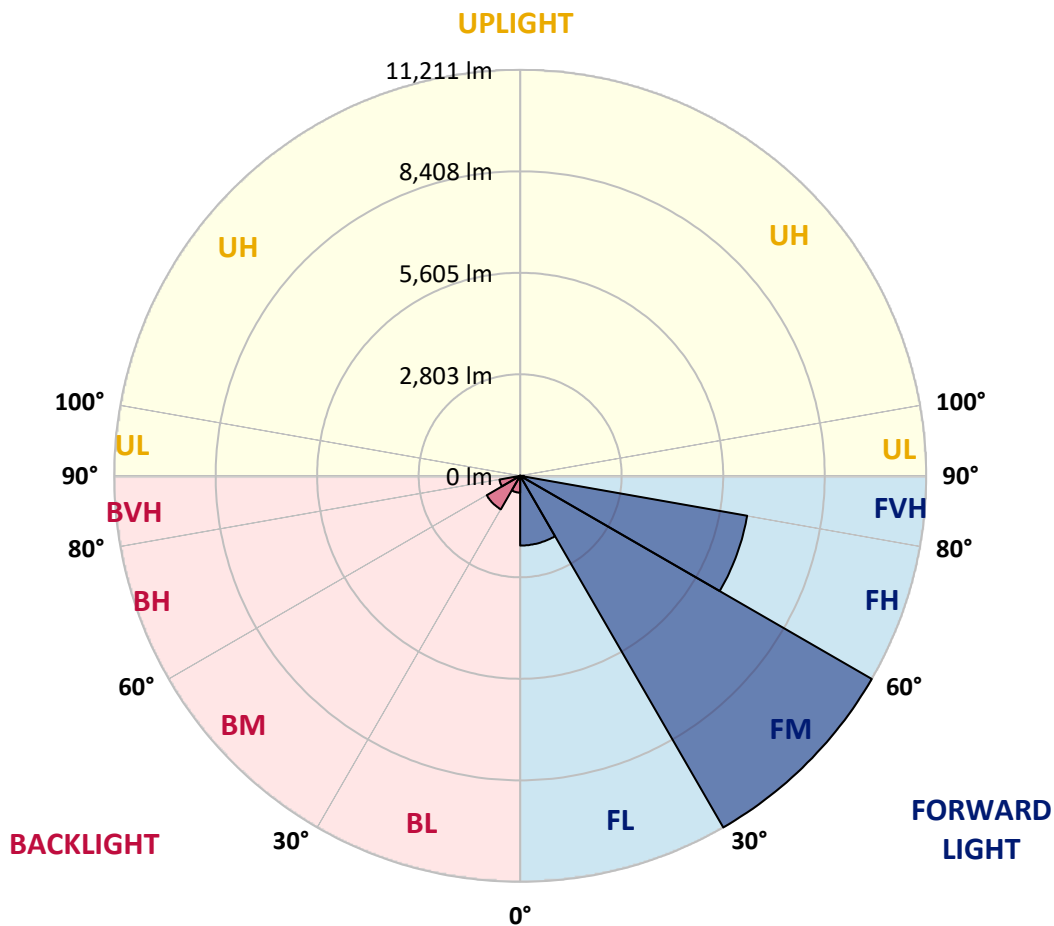
CATALOG NUMBER: ARCH4-190-740-U-T2RE-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1925.9	8.9			
FM	(30°-60°)	11211.0	51.6			
FH	(60°-80°)	6364.8	29.3			G3/7500
FVH	(80°-90°)	100.8	0.5			G2/225
BL	(0°-30°)	464.7	2.1	B1/500		
BM	(30°-60°)	1067.7	4.9	B2/2500		
BH	(60°-80°)	582.5	2.7	B2/1000		G2/1000
BVH	(80°-90°)	15.6	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type II Short



REPORT NUMBER: P1211172

CATALOG NUMBER: ARCH4-190-740-U-T2RE-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	2372.3	2372.3	2372.3	2372.3	2372.3	2372.3	2372.3	2372.3	2372.3	2372.3	2372.3
2.5°	2848.4	2825.0	2782.0	2778.1	2743.0	2700.1	2626.0	2547.9	2493.3	2485.5	2419.2
5°	3410.2	3398.5	3355.6	3328.3	3262.0	3160.5	2988.8	2817.2	2672.8	2657.2	2508.9
7.5°	3558.5	3566.3	3574.1	3601.4	3578.0	3531.2	3402.4	3160.5	2934.2	2899.1	2641.6
10°	3581.9	3574.1	3574.1	3609.2	3675.6	3741.9	3726.3	3519.5	3226.9	3183.9	2825.0
12.5°	3835.6	3847.3	3819.9	3804.3	3792.6	3827.7	3944.8	3855.1	3535.1	3500.0	3047.4
15°	4163.3	4159.4	4120.4	4120.4	4085.3	4026.7	4100.9	4167.2	3905.8	3862.9	3301.0
17.5°	4401.3	4416.9	4413.0	4436.4	4424.7	4346.7	4307.7	4444.2	4288.2	4233.5	3589.7
20°	4592.5	4635.4	4651.0	4725.2	4760.3	4705.7	4604.2	4690.1	4654.9	4604.2	3882.4
22.5°	4795.4	4830.5	4857.8	4986.6	5084.2	5072.4	4943.7	4924.2	5010.0	4963.2	4171.1
25°	4998.3	5013.9	5095.9	5251.9	5408.0	5447.0	5314.4	5162.2	5330.0	5287.1	4428.6
27.5°	5220.7	5228.5	5326.1	5517.3	5735.8	5817.7	5712.4	5431.4	5575.8	5575.8	4662.8
30°	5626.5	5704.6	5743.6	5915.3	6106.4	6219.6	6094.7	5716.3	5794.3	5829.4	4908.6
32.5°	6500.5	6512.2	6500.5	6574.7	6613.7	6680.0	6535.7	6036.2	6016.7	6055.7	5150.5
35°	7835.0	7788.2	7663.3	7554.0	7327.7	7202.9	7015.6	6445.9	6289.8	6344.5	5388.5
37.5°	9454.3	9387.9	9103.1	8767.5	8283.7	7784.3	7550.1	6945.4	6637.1	6707.3	5646.0
40°	10999.4	10956.5	10617.0	10203.4	9376.2	8521.7	8026.2	7366.8	7023.4	7050.7	5907.5
42.5°	12271.4	12263.6	11978.8	11545.7	10484.4	9317.7	8588.0	7780.4	7429.2	7472.1	6180.6
45°	13235.2	13161.1	12950.3	12638.2	11557.4	10144.9	9267.0	8408.6	8080.8	8131.5	6590.3
47.5°	13235.2	13246.9	13383.5	13352.2	12306.5	10921.4	10008.3	9200.6	9044.6	9091.4	7265.3
50°	12158.3	12267.5	12876.2	13387.4	12696.7	11526.2	10808.2	10191.7	10351.7	10421.9	8443.7
52.5°	10027.8	10211.2	11268.6	12435.3	12408.0	11830.5	11635.4	11452.0	12170.0	12294.8	10183.9
55°	7620.4	7741.3	9118.7	10652.1	11151.6	11580.8	12357.3	13051.8	14577.4	14550.1	11951.5
57.5°	5692.8	5806.0	6992.2	8693.4	9352.8	10500.0	12727.9	14881.8	16965.4	17070.7	13609.8
60°	4186.7	4272.6	5283.1	6680.0	7632.1	8845.6	12579.7	16684.5	19716.2	19595.3	15073.0
62.5°	3098.1	3144.9	3874.6	4783.7	6047.9	7206.8	11647.1	17917.4	21913.0	21667.2	15888.5
65°	2395.8	2411.4	2789.8	3273.7	4397.4	5603.1	10258.1	18104.7	23126.5	22865.0	15872.9
66°	2134.3	2146.0	2423.1	2797.7	3741.9	4904.7	9649.4	17804.3	23317.7	23040.6	15677.8
67.5°	1791.0	1783.2	1947.0	2192.9	2809.4	3784.8	8568.5	16926.4	23091.3	22950.9	15053.5
70°	1326.6	1330.5	1412.5	1471.0	1642.7	2095.3	6188.4	14682.8	21280.9	21273.1	13340.5
72.5°	983.3	995.0	1057.4	1069.1	1026.2	1135.4	3566.3	11678.3	17023.9	17027.8	9973.2
75°	737.5	757.0	776.5	784.3	745.3	717.9	1611.5	7858.4	11198.4	11116.5	5646.0
77.5°	561.9	569.7	585.3	573.6	565.8	495.5	671.1	3831.6	5529.0	5037.3	1830.0
80°	409.7	409.7	425.3	409.7	405.8	355.1	366.8	1229.1	1623.2	1350.1	394.1
82.5°	257.5	253.6	265.3	261.4	253.6	226.3	214.6	343.4	374.6	335.6	191.2
85°	144.4	140.5	136.6	132.7	121.0	101.4	117.1	128.8	171.7	175.6	136.6
87.5°	50.7	50.7	46.8	42.9	35.1	35.1	42.9	42.9	62.4	62.4	70.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1211172

CATALOG NUMBER: ARCH4-190-740-U-T2RE-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2372.3	2372.3	2372.3	2372.3	2372.3	2372.3	2372.3	2372.3	2372.3	2372.3	2372.3
2.5°	2388.0	2345.0	2282.6	2200.7	2142.1	2083.6	2021.2	1986.1	1935.3	1923.6	1939.2
5°	2430.9	2352.8	2196.8	2025.1	1876.8	1744.1	1619.3	1545.1	1471.0	1443.7	1455.4
7.5°	2520.6	2388.0	2122.6	1845.6	1599.8	1400.8	1252.5	1166.7	1100.3	1073.0	1080.8
10°	2653.3	2450.4	2052.4	1642.7	1326.6	1115.9	991.1	936.5	897.4	881.8	885.7
12.5°	2813.3	2540.1	1962.6	1439.8	1092.5	909.1	850.6	838.9	831.1	823.3	827.2
15°	2992.7	2618.2	1857.3	1240.8	909.1	807.7	788.2	784.3	780.4	780.4	780.4
17.5°	3180.0	2688.4	1740.2	1053.5	792.1	745.3	733.6	733.6	733.6	737.5	737.5
20°	3355.6	2743.0	1603.7	885.7	725.8	686.7	678.9	678.9	682.8	686.7	686.7
22.5°	3527.3	2766.4	1443.7	768.7	671.1	636.0	624.3	624.3	624.3	628.2	628.2
25°	3675.6	2766.4	1283.7	694.5	624.3	589.2	573.6	569.7	573.6	573.6	573.6
27.5°	3800.4	2754.7	1127.6	643.8	577.5	542.4	526.8	522.9	530.7	534.6	534.6
30°	3933.1	2739.1	1002.8	597.0	538.5	503.3	487.7	487.7	499.4	515.0	515.0
32.5°	4061.9	2750.8	905.2	558.0	499.4	472.1	456.5	460.4	483.8	507.2	507.2
35°	4198.4	2774.2	846.7	530.7	472.1	444.8	433.1	444.8	468.2	491.6	491.6
37.5°	4335.0	2801.6	811.6	507.2	448.7	421.4	413.6	429.2	456.5	479.9	483.8
40°	4479.4	2825.0	772.6	483.8	433.1	401.9	398.0	413.6	448.7	472.1	476.0
42.5°	4658.8	2871.8	725.8	464.3	417.5	378.5	382.4	394.1	429.2	464.3	468.2
45°	5010.0	3020.1	678.9	444.8	398.0	366.8	359.0	366.8	405.8	444.8	452.6
47.5°	5669.4	3355.6	628.2	425.3	378.5	359.0	327.8	335.6	370.7	413.6	417.5
50°	6933.6	4069.7	600.9	405.8	362.9	331.7	296.5	296.5	323.9	362.9	362.9
52.5°	8904.1	5349.5	616.5	390.2	343.4	304.3	269.2	265.3	280.9	308.2	308.2
55°	11030.6	6754.2	675.0	374.6	320.0	288.7	249.7	230.2	241.9	257.5	257.5
57.5°	12716.2	7460.4	835.0	366.8	292.6	277.0	226.3	199.0	210.7	226.3	226.3
60°	13457.6	7046.8	1014.5	374.6	273.1	257.5	202.9	175.6	195.1	210.7	214.6
62.5°	12856.7	5802.1	1088.6	355.1	245.8	230.2	199.0	163.9	187.3	199.0	202.9
65°	11557.4	4409.1	850.6	308.2	226.3	199.0	179.5	156.1	175.6	187.3	187.3
66°	10940.9	3843.4	725.8	284.8	218.5	187.3	171.7	156.1	171.7	179.5	183.4
67.5°	9984.9	3031.8	538.5	249.7	202.9	171.7	160.0	148.3	163.9	171.7	171.7
70°	7807.7	1806.6	323.9	195.1	175.6	152.2	144.4	136.6	148.3	152.2	152.2
72.5°	4889.1	858.4	206.8	144.4	148.3	144.4	121.0	128.8	132.7	136.6	136.6
75°	2368.4	339.5	140.5	105.4	121.0	136.6	97.5	113.2	117.1	124.9	121.0
77.5°	659.4	163.9	89.7	78.0	105.4	105.4	74.1	89.7	105.4	132.7	121.0
80°	191.2	105.4	58.5	58.5	74.1	74.1	50.7	62.4	70.2	78.0	81.9
82.5°	132.7	70.2	39.0	42.9	42.9	46.8	31.2	31.2	39.0	39.0	42.9
85°	105.4	31.2	23.4	27.3	19.5	23.4	15.6	15.6	19.5	15.6	15.6
87.5°	42.9	15.6	15.6	15.6	11.7	11.7	7.8	3.9	3.9	3.9	3.9
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)