

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: P1210100

Luminaire Tested: **ARCH2-110-722-U-T2RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210100
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: ARCH2-110-722-U-T2RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 800mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE II
ROADWAY ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8383 lumens
Efficiency: N/A
Efficacy: 76.6 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 109.5
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

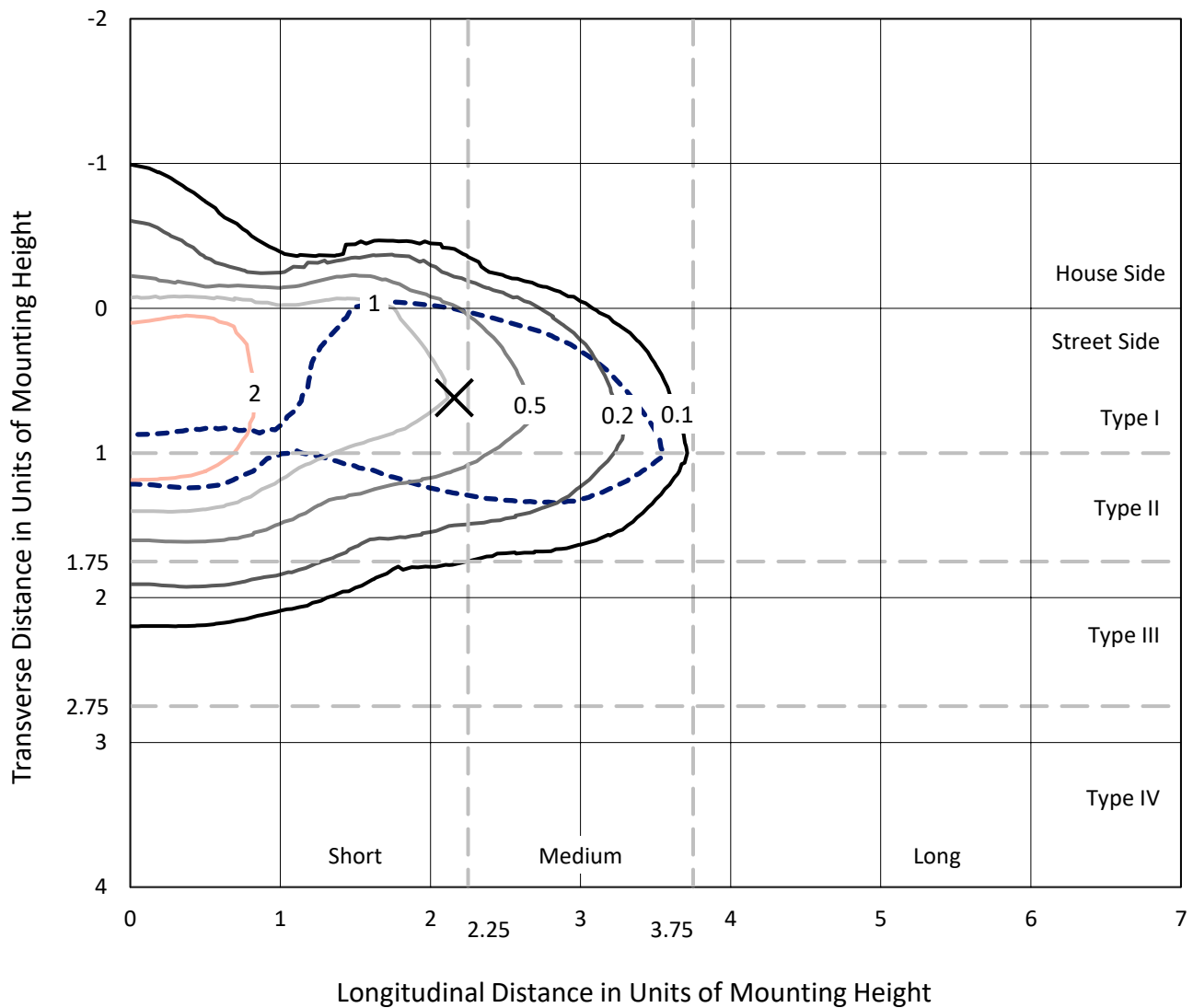


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Iso-Footcandle Lines of Horizontal Illumination

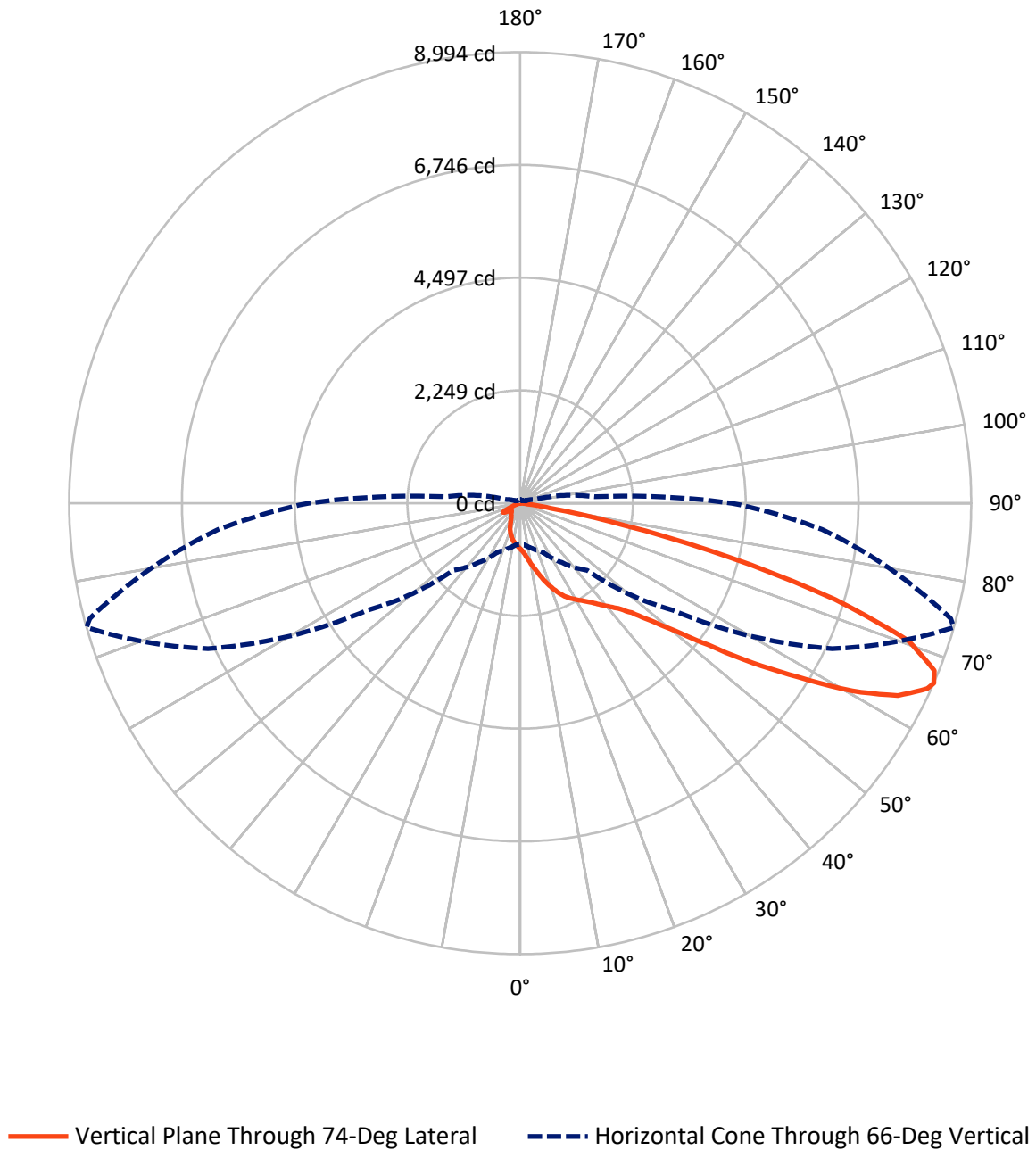
✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 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	821.8	0.0	821.8
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	7561.2	0.0	7561.2
	% Fixture	90.2	0.0	90.2
Total	Lumens	8383.0	0.0	8383.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.3	1.1
10°-20°	286.3	3.4
20°-30°	546.5	6.5
30°-40°	957.8	11.4
40°-50°	1642.4	19.6
50°-60°	2136.0	25.5
60°-70°	1933.6	23.1
70°-80°	746.1	8.9
80°-90°	44.9	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°	8383.0	100.0
0°-180°	8383.0	100.0

Coefficient of Utilization



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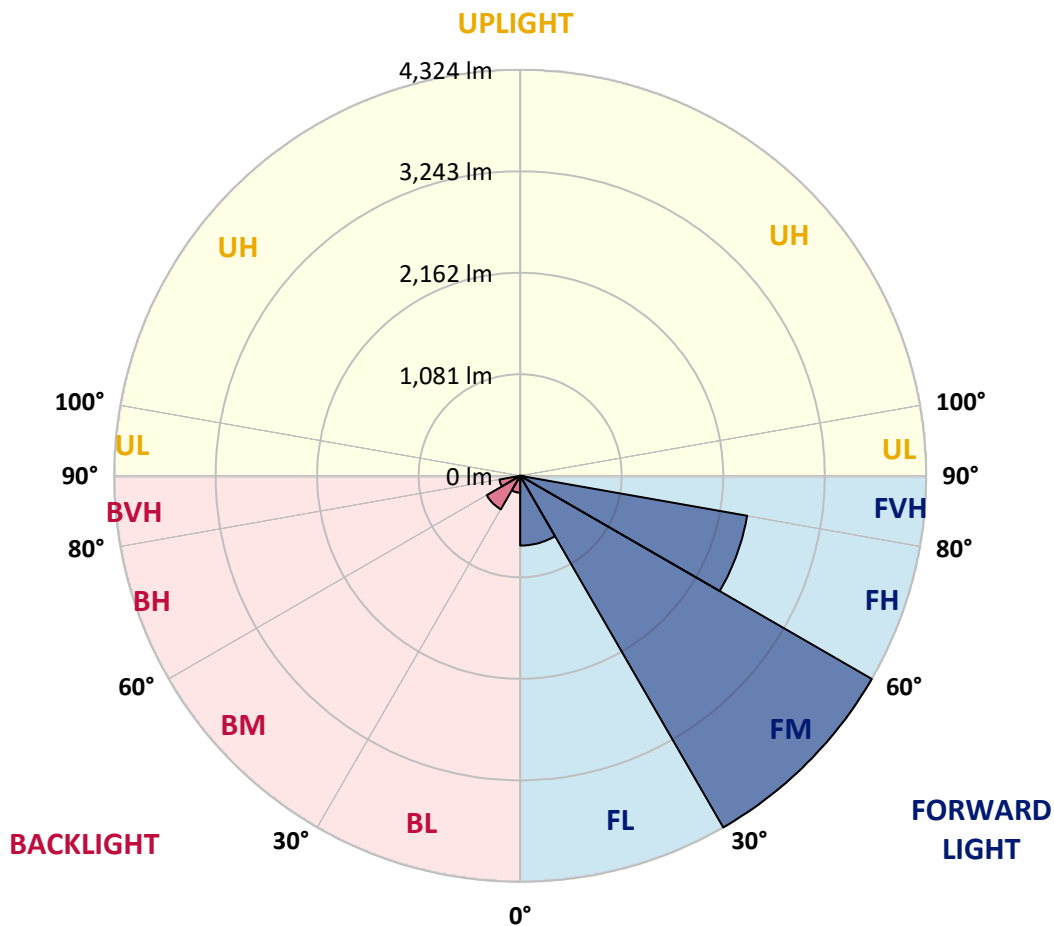
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	742.9	8.9			
FM	(30°-60°)	4324.4	51.6			
FH	(60°-80°)	2455.1	29.3			G2/5000
FVH	(80°-90°)	38.9	0.5			G1/100
BL	(0°-30°)	179.3	2.1	B1/500		
BM	(30°-60°)	411.9	4.9	B1/1000		
BH	(60°-80°)	224.7	2.7	B1/500		G1/500
BVH	(80°-90°)	6.0	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	915.1	915.1	915.1	915.1	915.1	915.1	915.1	915.1	915.1	915.1	915.1
2.5°	1098.7	1089.7	1073.1	1071.6	1058.1	1041.5	1012.9	982.8	961.7	958.7	933.1
5°	1315.4	1310.9	1294.4	1283.8	1258.2	1219.1	1152.9	1086.7	1031.0	1024.9	967.8
7.5°	1372.6	1375.6	1378.6	1389.2	1380.1	1362.1	1312.4	1219.1	1131.8	1118.3	1018.9
10°	1381.6	1378.6	1378.6	1392.2	1417.8	1443.4	1437.3	1357.6	1244.7	1228.1	1089.7
12.5°	1479.5	1484.0	1473.5	1467.4	1462.9	1476.5	1521.6	1487.0	1363.6	1350.0	1175.5
15°	1605.9	1604.4	1589.3	1589.3	1575.8	1553.2	1581.8	1607.4	1506.6	1490.0	1273.3
17.5°	1697.7	1703.7	1702.2	1711.3	1706.7	1676.6	1661.6	1714.3	1654.1	1633.0	1384.7
20°	1771.5	1788.0	1794.0	1822.6	1836.2	1815.1	1776.0	1809.1	1795.5	1776.0	1497.5
22.5°	1849.7	1863.3	1873.8	1923.5	1961.1	1956.6	1906.9	1899.4	1932.5	1914.4	1608.9
25°	1928.0	1934.0	1965.6	2025.8	2086.0	2101.1	2049.9	1991.2	2055.9	2039.4	1708.2
27.5°	2013.8	2016.8	2054.4	2128.2	2212.4	2244.0	2203.4	2095.0	2150.7	2150.7	1798.5
30°	2170.3	2200.4	2215.4	2281.7	2355.4	2399.1	2350.9	2204.9	2235.0	2248.6	1893.4
32.5°	2507.4	2511.9	2507.4	2536.0	2551.1	2576.7	2521.0	2328.3	2320.8	2335.9	1986.7
35°	3022.2	3004.1	2955.9	2913.8	2826.5	2778.3	2706.1	2486.4	2426.2	2447.2	2078.5
37.5°	3646.8	3621.2	3511.3	3381.9	3195.2	3002.6	2912.3	2679.0	2560.1	2587.2	2177.8
40°	4242.8	4226.2	4095.3	3935.7	3616.7	3287.1	3095.9	2841.6	2709.1	2719.6	2278.7
42.5°	4733.4	4730.4	4620.5	4453.5	4044.1	3594.1	3312.6	3001.1	2865.6	2882.2	2384.0
45°	5105.2	5076.6	4995.3	4874.9	4458.0	3913.2	3574.5	3243.4	3117.0	3136.5	2542.0
47.5°	5105.2	5109.7	5162.4	5150.3	4747.0	4212.7	3860.5	3548.9	3488.7	3506.8	2802.4
50°	4689.8	4731.9	4966.7	5163.9	4897.5	4445.9	4169.0	3931.2	3992.9	4020.0	3257.0
52.5°	3868.0	3938.7	4346.6	4796.6	4786.1	4563.3	4488.1	4417.4	4694.3	4742.4	3928.2
55°	2939.4	2986.0	3517.3	4108.8	4301.5	4467.0	4766.5	5034.4	5622.9	5612.4	4610.0
57.5°	2195.9	2239.5	2697.1	3353.3	3607.6	4050.1	4909.5	5740.3	6544.0	6584.6	5249.7
60°	1614.9	1648.0	2037.9	2576.7	2943.9	3412.0	4852.3	6435.6	7605.1	7558.4	5814.0
62.5°	1195.0	1213.1	1494.5	1845.2	2332.8	2779.8	4492.6	6911.2	8452.4	8357.6	6128.6
65°	924.1	930.1	1076.1	1262.7	1696.2	2161.3	3956.8	6983.5	8920.5	8819.7	6122.6
66°	823.3	827.8	934.6	1079.1	1443.4	1891.9	3722.0	6867.6	8994.2	8887.4	6047.3
67.5°	690.8	687.8	751.0	845.8	1083.6	1459.9	3305.1	6529.0	8906.9	8852.8	5806.5
70°	511.7	513.2	544.8	567.4	633.6	808.2	2387.0	5663.5	8208.6	8205.6	5145.8
72.5°	379.3	383.8	407.9	412.4	395.8	438.0	1375.6	4504.6	6566.6	6568.1	3846.9
75°	284.5	292.0	299.5	302.5	287.5	276.9	621.6	3031.2	4319.5	4287.9	2177.8
77.5°	216.7	219.7	225.8	221.2	218.2	191.1	258.9	1478.0	2132.7	1943.0	705.9
80°	158.0	158.0	164.1	158.0	156.5	137.0	141.5	474.1	626.1	520.8	152.0
82.5°	99.3	97.8	102.3	100.8	97.8	87.3	82.8	132.4	144.5	129.4	73.7
85°	55.7	54.2	52.7	51.2	46.7	39.1	45.2	49.7	66.2	67.7	52.7
87.5°	19.6	19.6	18.1	16.6	13.5	13.5	16.6	16.6	24.1	24.1	27.1
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°	915.1	915.1	915.1	915.1	915.1	915.1	915.1	915.1	915.1	915.1	915.1
2.5°	921.1	904.5	880.5	848.9	826.3	803.7	779.6	766.1	746.5	742.0	748.0
5°	937.7	907.6	847.3	781.1	723.9	672.8	624.6	596.0	567.4	556.9	561.4
7.5°	972.3	921.1	818.8	711.9	617.1	540.3	483.1	450.0	424.4	413.9	416.9
10°	1023.4	945.2	791.7	633.6	511.7	430.4	382.3	361.2	346.2	340.1	341.6
12.5°	1085.1	979.8	757.0	555.4	421.4	350.7	328.1	323.6	320.6	317.6	319.1
15°	1154.4	1009.9	716.4	478.6	350.7	311.5	304.0	302.5	301.0	301.0	301.0
17.5°	1226.6	1037.0	671.3	406.4	305.5	287.5	283.0	283.0	283.0	284.5	284.5
20°	1294.4	1058.1	618.6	341.6	279.9	264.9	261.9	261.9	263.4	264.9	264.9
22.5°	1360.6	1067.1	556.9	296.5	258.9	245.3	240.8	240.8	240.8	242.3	242.3
25°	1417.8	1067.1	495.2	267.9	240.8	227.3	221.2	219.7	221.2	221.2	221.2
27.5°	1465.9	1062.6	435.0	248.3	222.7	209.2	203.2	201.7	204.7	206.2	206.2
30°	1517.1	1056.6	386.8	230.3	207.7	194.2	188.1	188.1	192.6	198.7	198.7
32.5°	1566.8	1061.1	349.2	215.2	192.6	182.1	176.1	177.6	186.6	195.7	195.7
35°	1619.4	1070.1	326.6	204.7	182.1	171.6	167.1	171.6	180.6	189.6	189.6
37.5°	1672.1	1080.6	313.1	195.7	173.1	162.5	159.5	165.6	176.1	185.1	186.6
40°	1727.8	1089.7	298.0	186.6	167.1	155.0	153.5	159.5	173.1	182.1	183.6
42.5°	1797.0	1107.7	279.9	179.1	161.0	146.0	147.5	152.0	165.6	179.1	180.6
45°	1932.5	1164.9	261.9	171.6	153.5	141.5	138.5	141.5	156.5	171.6	174.6
47.5°	2186.9	1294.4	242.3	164.1	146.0	138.5	126.4	129.4	143.0	159.5	161.0
50°	2674.5	1569.8	231.8	156.5	140.0	127.9	114.4	114.4	124.9	140.0	140.0
52.5°	3434.5	2063.4	237.8	150.5	132.4	117.4	103.8	102.3	108.4	118.9	118.9
55°	4254.8	2605.3	260.4	144.5	123.4	111.4	96.3	88.8	93.3	99.3	99.3
57.5°	4905.0	2877.7	322.1	141.5	112.9	106.9	87.3	76.8	81.3	87.3	87.3
60°	5191.0	2718.1	391.3	144.5	105.4	99.3	78.3	67.7	75.3	81.3	82.8
62.5°	4959.2	2238.0	419.9	137.0	94.8	88.8	76.8	63.2	72.2	76.8	78.3
65°	4458.0	1700.7	328.1	118.9	87.3	76.8	69.2	60.2	67.7	72.2	72.2
66°	4220.2	1482.5	279.9	109.9	84.3	72.2	66.2	60.2	66.2	69.2	70.7
67.5°	3851.5	1169.4	207.7	96.3	78.3	66.2	61.7	57.2	63.2	66.2	66.2
70°	3011.6	696.8	124.9	75.3	67.7	58.7	55.7	52.7	57.2	58.7	58.7
72.5°	1885.8	331.1	79.8	55.7	57.2	55.7	46.7	49.7	51.2	52.7	52.7
75°	913.6	130.9	54.2	40.6	46.7	52.7	37.6	43.6	45.2	48.2	46.7
77.5°	254.4	63.2	34.6	30.1	40.6	40.6	28.6	34.6	40.6	51.2	46.7
80°	73.7	40.6	22.6	22.6	28.6	28.6	19.6	24.1	27.1	30.1	31.6
82.5°	51.2	27.1	15.1	16.6	16.6	18.1	12.0	12.0	15.1	15.1	16.6
85°	40.6	12.0	9.0	10.5	7.5	9.0	6.0	6.0	7.5	6.0	6.0
87.5°	16.6	6.0	6.0	6.0	4.5	4.5	3.0	1.5	1.5	1.5	1.5
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)