

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: P1210676

Luminaire Tested: **ARCH3-40-722-U-T2RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210676
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: ARCH3-40-722-U-T2RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 2200K, 345mA LIGHTSQUARE WITH 40 LEDS AND TYPE II ROADWAY
ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

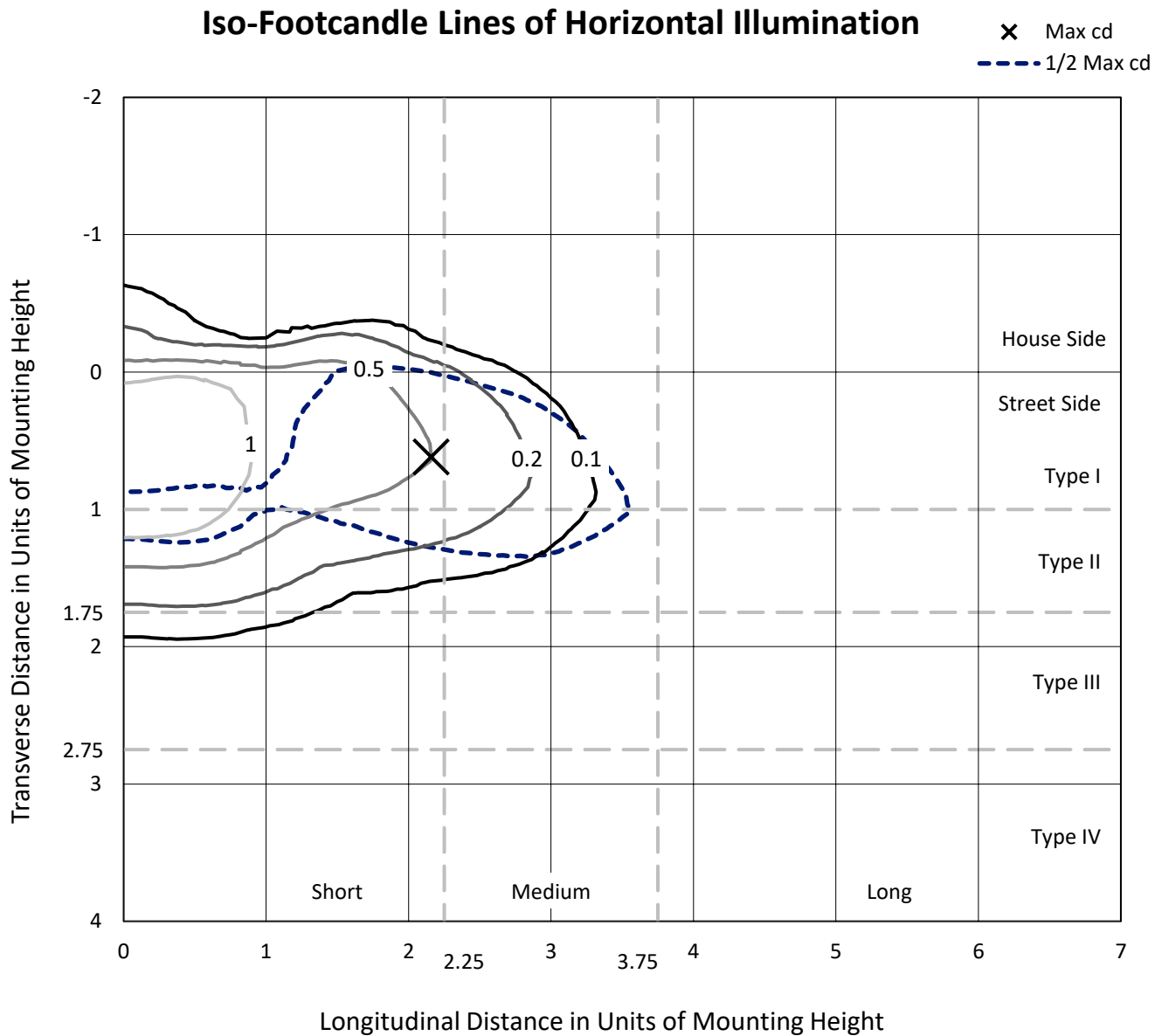
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4425 lumens
Efficiency: N/A
Efficacy: 101.5 lumens/watt
Luminous Opening: Rectangular (W 0.58' x L: 0.58' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 43.6
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

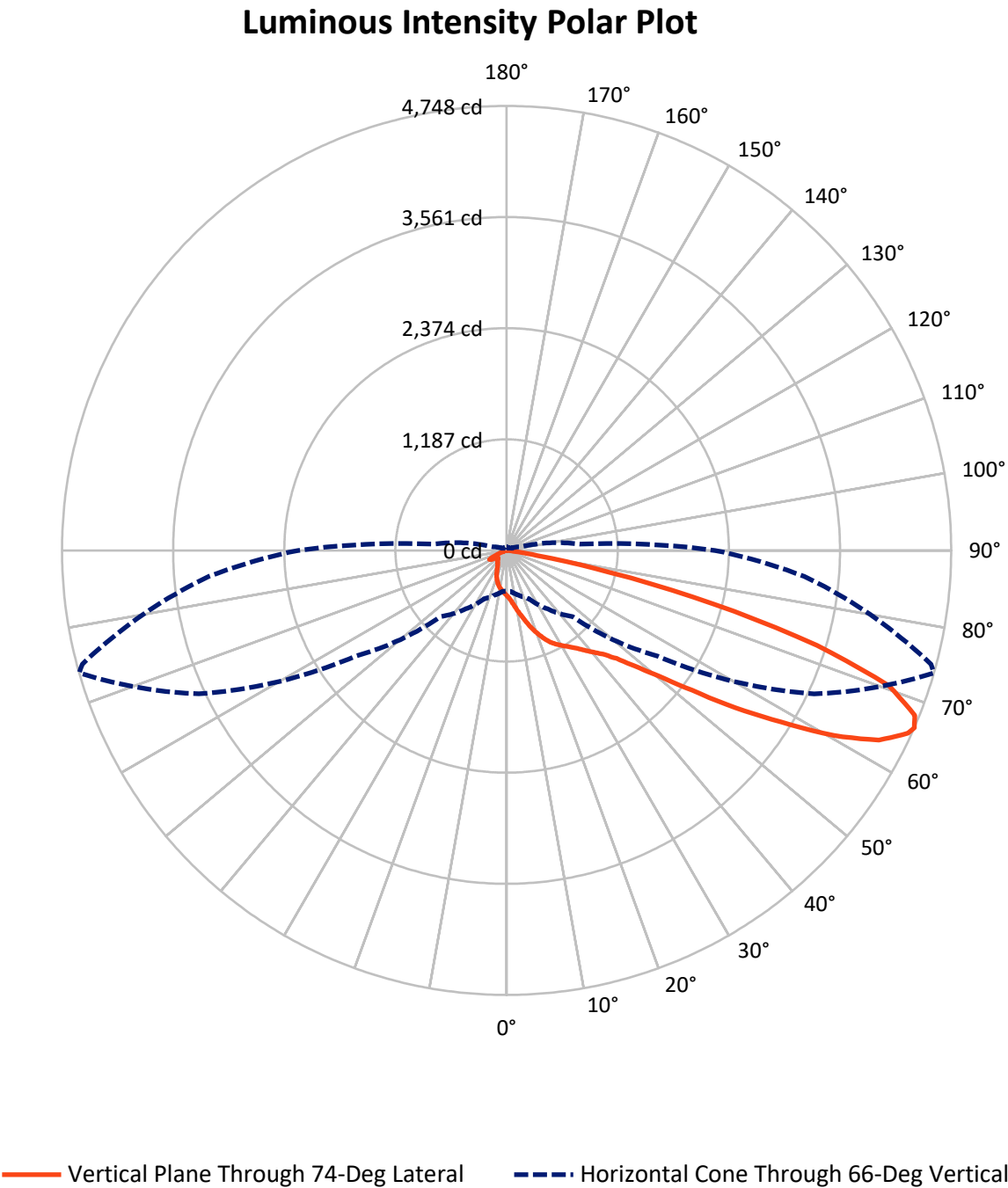


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Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
Type II - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	433.8	0.0	433.8
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	3991.2	0.0	3991.2
	% Fixture	90.2	0.0	90.2
Total	Lumens	4425.0	0.0	4425.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.1	1.1
10°-20°	151.1	3.4
20°-30°	288.5	6.5
30°-40°	505.6	11.4
40°-50°	866.9	19.6
50°-60°	1127.5	25.5
60°-70°	1020.7	23.1
70°-80°	393.8	8.9
80°-90°	23.7	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°	4425.0	100.0
0°-180°	4425.0	100.0

Coefficient of Utilization



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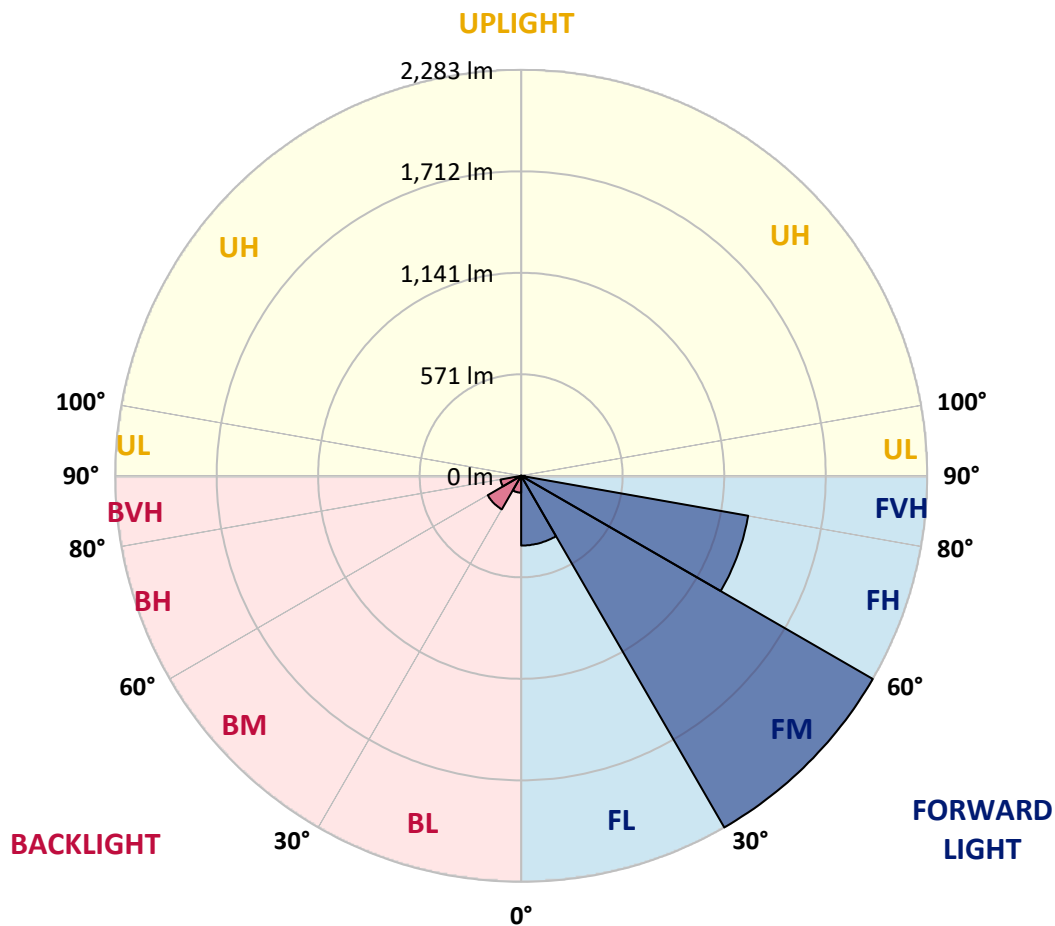
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	392.1	8.9			
FM	(30°-60°)	2282.6	51.6			
FH	(60°-80°)	1295.9	29.3			G1/1800
FVH	(80°-90°)	20.5	0.5			G1/100
BL	(0°-30°)	94.6	2.1	B0/110		
BM	(30°-60°)	217.4	4.9	B0/220		
BH	(60°-80°)	118.6	2.7	B1/500		G1/500
BVH	(80°-90°)	3.2	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-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	483.0	483.0	483.0	483.0	483.0	483.0	483.0	483.0	483.0	483.0	483.0
2.5°	580.0	575.2	566.4	565.7	558.5	549.8	534.7	518.8	507.7	506.1	492.6
5°	694.4	692.0	683.2	677.7	664.2	643.5	608.6	573.6	544.2	541.0	510.8
7.5°	724.5	726.1	727.7	733.3	728.5	719.0	692.8	643.5	597.4	590.3	537.8
10°	729.3	727.7	727.7	734.9	748.4	761.9	758.7	716.6	657.0	648.3	575.2
12.5°	780.9	783.3	777.8	774.6	772.2	779.4	803.2	784.9	719.8	712.6	620.5
15°	847.7	846.9	838.9	838.9	831.8	819.9	835.0	848.5	795.2	786.5	672.1
17.5°	896.1	899.3	898.5	903.3	900.9	885.0	877.1	904.9	873.1	862.0	730.9
20°	935.1	943.8	947.0	962.1	969.2	958.1	937.5	954.9	947.8	937.5	790.5
22.5°	976.4	983.5	989.1	1015.3	1035.2	1032.8	1006.6	1002.6	1020.1	1010.5	849.3
25°	1017.7	1020.9	1037.6	1069.3	1101.1	1109.1	1082.0	1051.1	1085.2	1076.5	901.7
27.5°	1063.0	1064.6	1084.4	1123.4	1167.8	1184.5	1163.1	1105.9	1135.3	1135.3	949.4
30°	1145.6	1161.5	1169.4	1204.4	1243.3	1266.4	1240.9	1163.9	1179.8	1186.9	999.4
32.5°	1323.6	1325.9	1323.6	1338.7	1346.6	1360.1	1330.7	1229.0	1225.0	1233.0	1048.7
35°	1595.3	1585.7	1560.3	1538.1	1492.0	1466.6	1428.4	1312.4	1280.7	1291.8	1097.1
37.5°	1925.0	1911.5	1853.5	1785.1	1686.6	1584.9	1537.3	1414.1	1351.4	1365.7	1149.6
40°	2239.6	2230.8	2161.7	2077.5	1909.1	1735.1	1634.2	1499.9	1430.0	1435.6	1202.8
42.5°	2498.6	2497.0	2439.0	2350.8	2134.7	1897.2	1748.6	1584.1	1512.6	1521.4	1258.4
45°	2694.8	2679.7	2636.8	2573.2	2353.2	2065.6	1886.8	1712.0	1645.3	1655.6	1341.8
47.5°	2694.8	2697.2	2725.0	2718.6	2505.7	2223.7	2037.8	1873.3	1841.5	1851.1	1479.3
50°	2475.5	2497.8	2621.7	2725.8	2585.1	2346.8	2200.6	2075.1	2107.7	2122.0	1719.2
52.5°	2041.7	2079.1	2294.4	2531.9	2526.4	2408.8	2369.1	2331.7	2477.9	2503.3	2073.5
55°	1551.6	1576.2	1856.6	2168.9	2270.5	2357.9	2516.0	2657.4	2968.1	2962.5	2433.4
57.5°	1159.1	1182.1	1423.7	1770.0	1904.3	2137.9	2591.5	3030.0	3454.3	3475.7	2771.0
60°	852.4	869.9	1075.7	1360.1	1553.9	1801.0	2561.3	3397.1	4014.4	3989.7	3069.0
62.5°	630.8	640.3	788.9	974.0	1231.4	1467.4	2371.4	3648.1	4461.6	4411.6	3235.0
65°	487.8	491.0	568.0	666.5	895.3	1140.8	2088.6	3686.3	4708.7	4655.5	3231.8
66°	434.6	436.9	493.4	569.6	761.9	998.6	1964.7	3625.1	4747.6	4691.2	3192.1
67.5°	364.7	363.1	396.4	446.5	572.0	770.6	1744.6	3446.3	4701.6	4673.0	3065.0
70°	270.1	270.9	287.6	299.5	334.5	426.6	1260.0	2989.5	4332.9	4331.4	2716.2
72.5°	200.2	202.6	215.3	217.7	208.9	231.2	726.1	2377.8	3466.2	3467.0	2030.6
75°	150.2	154.1	158.1	159.7	151.7	146.2	328.1	1600.0	2280.1	2263.4	1149.6
77.5°	114.4	116.0	119.2	116.8	115.2	100.9	136.6	780.2	1125.7	1025.6	372.6
80°	83.4	83.4	86.6	83.4	82.6	72.3	74.7	250.3	330.5	274.9	80.2
82.5°	52.4	51.6	54.0	53.2	51.6	46.1	43.7	69.9	76.3	68.3	38.9
85°	29.4	28.6	27.8	27.0	24.6	20.7	23.8	26.2	35.0	35.8	27.8
87.5°	10.3	10.3	9.5	8.7	7.2	7.2	8.7	8.7	12.7	12.7	14.3
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°	483.0	483.0	483.0	483.0	483.0	483.0	483.0	483.0	483.0	483.0	483.0
2.5°	486.2	477.5	464.8	448.1	436.2	424.2	411.5	404.4	394.0	391.7	394.8
5°	494.9	479.1	447.3	412.3	382.1	355.1	329.7	314.6	299.5	293.9	296.3
7.5°	513.2	486.2	432.2	375.8	325.7	285.2	255.0	237.5	224.0	218.5	220.1
10°	540.2	498.9	417.9	334.5	270.1	227.2	201.8	190.7	182.7	179.5	180.3
12.5°	572.8	517.2	399.6	293.2	222.4	185.1	173.2	170.8	169.2	167.6	168.4
15°	609.3	533.1	378.2	252.6	185.1	164.5	160.5	159.7	158.9	158.9	158.9
17.5°	647.5	547.4	354.3	214.5	161.3	151.7	149.4	149.4	149.4	150.2	150.2
20°	683.2	558.5	326.5	180.3	147.8	139.8	138.2	138.2	139.0	139.8	139.8
22.5°	718.2	563.3	293.9	156.5	136.6	129.5	127.1	127.1	127.1	127.9	127.9
25°	748.4	563.3	261.4	141.4	127.1	120.0	116.8	116.0	116.8	116.8	116.8
27.5°	773.8	560.9	229.6	131.1	117.6	110.4	107.3	106.5	108.0	108.8	108.8
30°	800.8	557.7	204.2	121.6	109.6	102.5	99.3	99.3	101.7	104.9	104.9
32.5°	827.0	560.1	184.3	113.6	101.7	96.1	93.0	93.7	98.5	103.3	103.3
35°	854.8	564.9	172.4	108.0	96.1	90.6	88.2	90.6	95.3	100.1	100.1
37.5°	882.6	570.4	165.2	103.3	91.4	85.8	84.2	87.4	93.0	97.7	98.5
40°	912.0	575.2	157.3	98.5	88.2	81.8	81.0	84.2	91.4	96.1	96.9
42.5°	948.6	584.7	147.8	94.5	85.0	77.1	77.9	80.2	87.4	94.5	95.3
45°	1020.1	614.9	138.2	90.6	81.0	74.7	73.1	74.7	82.6	90.6	92.2
47.5°	1154.3	683.2	127.9	86.6	77.1	73.1	66.7	68.3	75.5	84.2	85.0
50°	1411.7	828.6	122.3	82.6	73.9	67.5	60.4	60.4	65.9	73.9	73.9
52.5°	1812.9	1089.2	125.5	79.4	69.9	62.0	54.8	54.0	57.2	62.8	62.8
55°	2245.9	1375.2	137.4	76.3	65.1	58.8	50.8	46.9	49.3	52.4	52.4
57.5°	2589.1	1519.0	170.0	74.7	59.6	56.4	46.1	40.5	42.9	46.1	46.1
60°	2740.1	1434.8	206.6	76.3	55.6	52.4	41.3	35.8	39.7	42.9	43.7
62.5°	2617.7	1181.4	221.7	72.3	50.1	46.9	40.5	33.4	38.1	40.5	41.3
65°	2353.2	897.7	173.2	62.8	46.1	40.5	36.5	31.8	35.8	38.1	38.1
66°	2227.6	782.5	147.8	58.0	44.5	38.1	35.0	31.8	35.0	36.5	37.3
67.5°	2033.0	617.3	109.6	50.8	41.3	35.0	32.6	30.2	33.4	35.0	35.0
70°	1589.7	367.8	65.9	39.7	35.8	31.0	29.4	27.8	30.2	31.0	31.0
72.5°	995.4	174.8	42.1	29.4	30.2	29.4	24.6	26.2	27.0	27.8	27.8
75°	482.2	69.1	28.6	21.5	24.6	27.8	19.9	23.0	23.8	25.4	24.6
77.5°	134.3	33.4	18.3	15.9	21.5	21.5	15.1	18.3	21.5	27.0	24.6
80°	38.9	21.5	11.9	11.9	15.1	15.1	10.3	12.7	14.3	15.9	16.7
82.5°	27.0	14.3	7.9	8.7	8.7	9.5	6.4	6.4	7.9	7.9	8.7
85°	21.5	6.4	4.8	5.6	4.0	4.8	3.2	3.2	4.0	3.2	3.2
87.5°	8.7	3.2	3.2	3.2	2.4	2.4	1.6	0.8	0.8	0.8	0.8
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)