

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: P1210036

Luminaire Tested: **ARCH1-60-722-U-T2RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210036
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: ARCH1-60-722-U-T2RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 2200K, 1640mA LIGHTSQUARE WITH 10 LEDS AND TYPE II ROADWAY
ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4527 lumens
Efficiency: N/A
Efficacy: 75.5 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

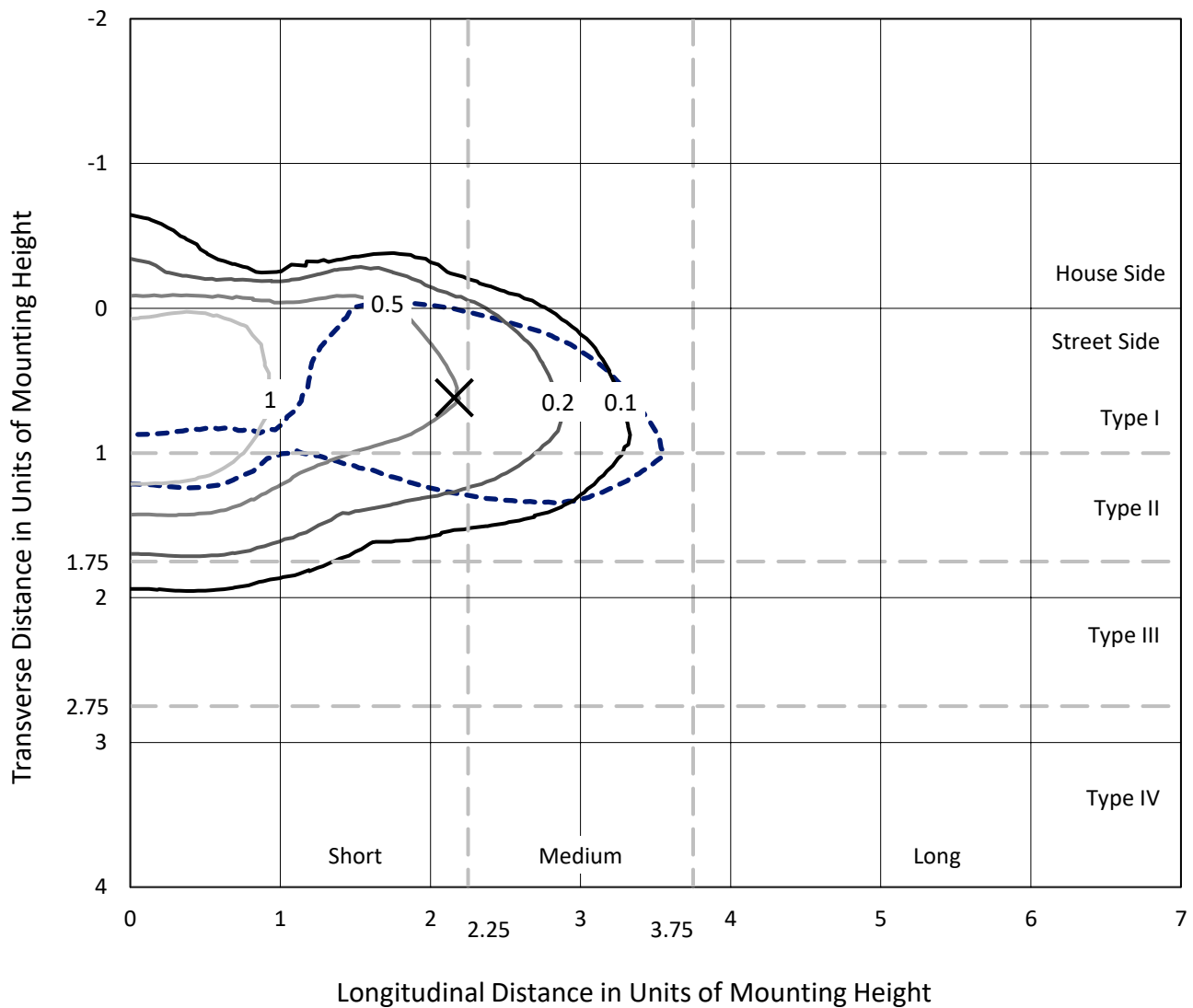
Input Watts (W): 60
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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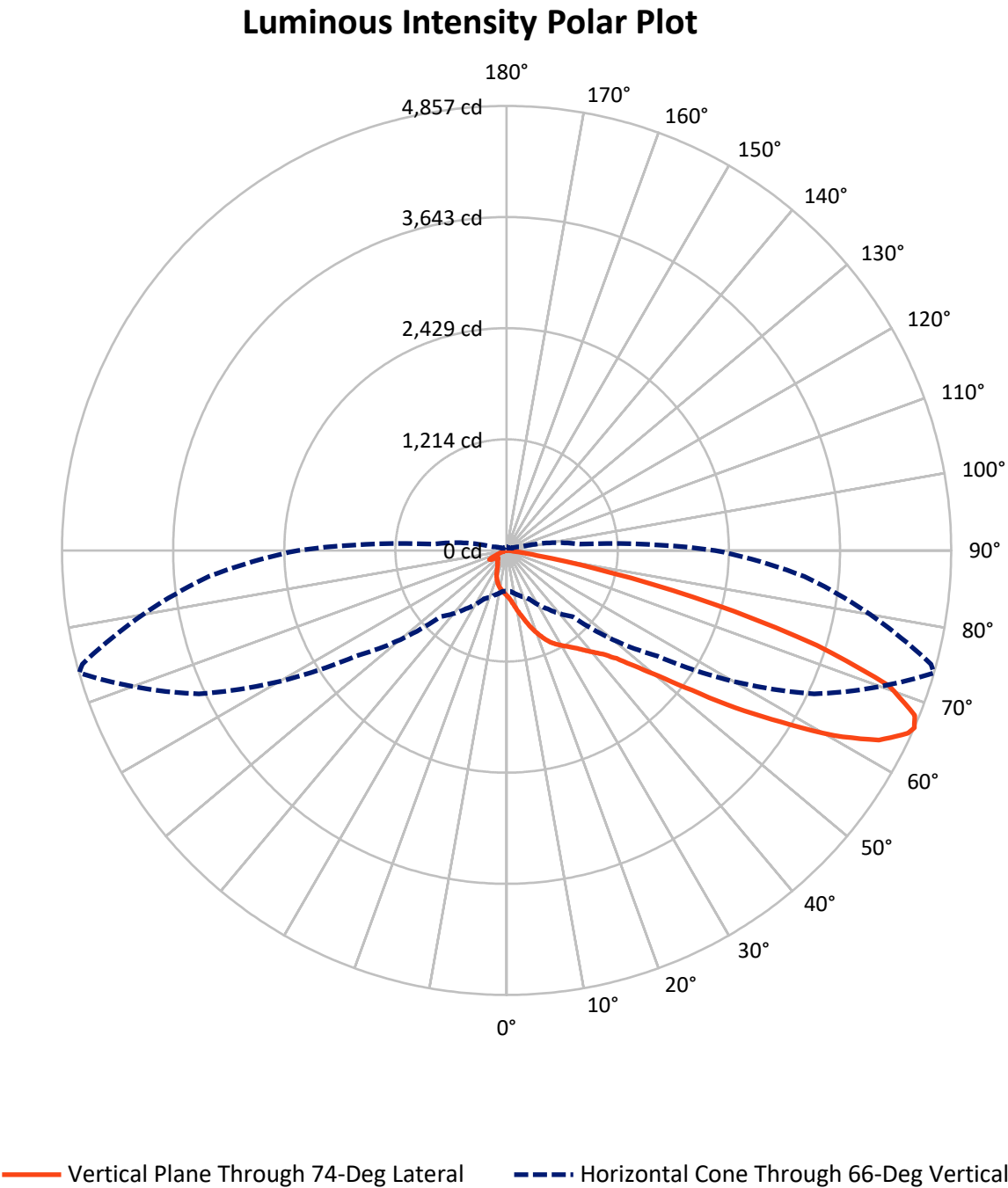
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	443.8	0.0	443.8
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	4083.2	0.0	4083.2
	% Fixture	90.2	0.0	90.2
Total	Lumens	4527.0	0.0	4527.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.2	1.1
10°-20°	154.6	3.4
20°-30°	295.1	6.5
30°-40°	517.2	11.4
40°-50°	886.9	19.6
50°-60°	1153.5	25.5
60°-70°	1044.2	23.1
70°-80°	402.9	8.9
80°-90°	24.2	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°	4527.0	100.0
0°-180°	4527.0	100.0

Coefficient of Utilization



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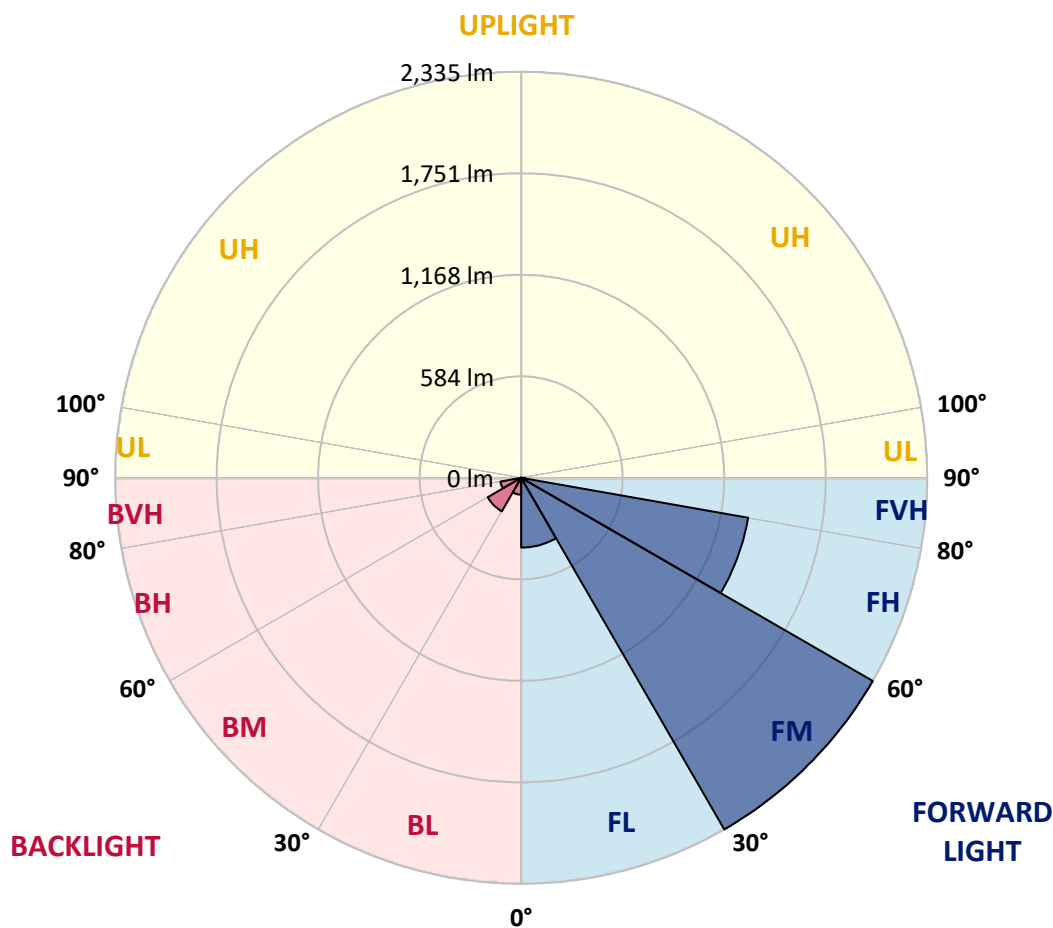
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	401.2	8.9			
FM	(30°-60°)	2335.3	51.6			
FH	(60°-80°)	1325.8	29.3			G1/1800
FVH	(80°-90°)	21.0	0.5			G1/100
BL	(0°-30°)	96.8	2.1	B0/110		
BM	(30°-60°)	222.4	4.9	B1/1000		
BH	(60°-80°)	121.3	2.7	B1/500		G1/500
BVH	(80°-90°)	3.3	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°	494.2	494.2	494.2	494.2	494.2	494.2	494.2	494.2	494.2	494.2	494.2
2.5°	593.3	588.4	579.5	578.7	571.4	562.4	547.0	530.7	519.4	517.7	503.9
5°	710.4	707.9	699.0	693.3	679.5	658.3	622.6	586.8	556.7	553.5	522.6
7.5°	741.2	742.9	744.5	750.2	745.3	735.6	708.7	658.3	611.2	603.9	550.2
10°	746.1	744.5	744.5	751.8	765.6	779.4	776.2	733.1	672.2	663.2	588.4
12.5°	798.9	801.4	795.7	792.4	790.0	797.3	821.7	803.0	736.4	729.1	634.8
15°	867.2	866.4	858.3	858.3	851.0	838.8	854.2	868.0	813.6	804.6	687.6
17.5°	916.8	920.1	919.2	924.1	921.7	905.4	897.3	925.7	893.2	881.9	747.7
20°	956.6	965.6	968.8	984.3	991.6	980.2	959.1	976.9	969.6	959.1	808.7
22.5°	998.9	1006.2	1011.9	1038.7	1059.0	1056.6	1029.8	1025.7	1043.6	1033.8	868.8
25°	1041.2	1044.4	1061.5	1094.0	1126.5	1134.6	1107.0	1075.3	1110.2	1101.3	922.5
27.5°	1087.5	1089.1	1109.4	1149.2	1194.8	1211.8	1189.9	1131.4	1161.4	1161.4	971.3
30°	1172.0	1188.3	1196.4	1232.2	1272.0	1295.5	1269.5	1190.7	1207.0	1214.3	1022.5
32.5°	1354.1	1356.5	1354.1	1369.5	1377.6	1391.5	1361.4	1257.3	1253.3	1261.4	1072.8
35°	1632.0	1622.3	1596.3	1573.5	1526.4	1500.4	1461.4	1342.7	1310.2	1321.6	1122.4
37.5°	1969.3	1955.5	1896.2	1826.3	1725.5	1621.5	1572.7	1446.7	1382.5	1397.1	1176.1
40°	2291.2	2282.2	2211.5	2125.4	1953.1	1775.1	1671.9	1534.5	1463.0	1468.7	1230.5
42.5°	2556.1	2554.5	2495.2	2405.0	2183.9	1940.9	1788.9	1620.7	1547.5	1556.4	1287.4
45°	2756.9	2741.5	2697.6	2632.5	2407.4	2113.2	1930.3	1751.5	1683.2	1693.8	1372.8
47.5°	2756.9	2759.3	2787.8	2781.3	2563.5	2274.9	2084.7	1916.5	1884.0	1893.7	1513.4
50°	2532.6	2555.3	2682.1	2788.6	2644.7	2400.9	2251.4	2122.9	2156.3	2170.9	1758.8
52.5°	2088.8	2127.0	2347.3	2590.3	2584.6	2464.3	2423.7	2385.5	2535.0	2561.0	2121.3
55°	1587.3	1612.5	1899.4	2218.8	2322.9	2412.3	2574.0	2718.7	3036.5	3030.8	2489.5
57.5°	1185.8	1209.4	1456.5	1810.8	1948.2	2187.2	2651.2	3099.9	3533.9	3555.8	2834.9
60°	872.1	890.0	1100.5	1391.5	1589.8	1842.5	2620.4	3475.4	4106.9	4081.7	3139.7
62.5°	645.3	655.1	807.1	996.5	1259.8	1501.2	2426.1	3732.2	4564.5	4513.3	3309.6
65°	499.0	502.3	581.1	681.9	916.0	1167.1	2136.8	3771.2	4817.3	4762.8	3306.3
66°	444.6	447.0	504.7	582.8	779.4	1021.6	2010.0	3708.6	4857.1	4799.4	3265.7
67.5°	373.1	371.4	405.6	456.8	585.2	788.4	1784.8	3525.8	4809.9	4780.7	3135.6
70°	276.3	277.2	294.2	306.4	342.2	436.5	1289.0	3058.4	4432.8	4431.2	2778.8
72.5°	204.8	207.3	220.3	222.7	213.8	236.5	742.9	2432.6	3546.1	3546.9	2077.4
75°	153.6	157.7	161.7	163.4	155.2	149.5	335.7	1636.9	2332.6	2315.6	1176.1
77.5°	117.0	118.7	121.9	119.5	117.9	103.2	139.8	798.1	1151.7	1049.3	381.2
80°	85.3	85.3	88.6	85.3	84.5	74.0	76.4	256.0	338.1	281.2	82.1
82.5°	53.6	52.8	55.3	54.5	52.8	47.1	44.7	71.5	78.0	69.9	39.8
85°	30.1	29.3	28.4	27.6	25.2	21.1	24.4	26.8	35.8	36.6	28.4
87.5°	10.6	10.6	9.8	8.9	7.3	7.3	8.9	8.9	13.0	13.0	14.6
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°	494.2	494.2	494.2	494.2	494.2	494.2	494.2	494.2	494.2	494.2	494.2
2.5°	497.4	488.5	475.5	458.4	446.2	434.0	421.0	413.7	403.1	400.7	403.9
5°	506.4	490.1	457.6	421.8	390.9	363.3	337.3	321.9	306.4	300.7	303.2
7.5°	525.0	497.4	442.1	384.4	333.2	291.8	260.9	243.0	229.2	223.5	225.1
10°	552.7	510.4	427.5	342.2	276.3	232.5	206.4	195.1	186.9	183.7	184.5
12.5°	586.0	529.1	408.8	299.9	227.6	189.4	177.2	174.7	173.1	171.5	172.3
15°	623.4	545.4	386.9	258.5	189.4	168.2	164.2	163.4	162.6	162.6	162.6
17.5°	662.4	560.0	362.5	219.4	165.0	155.2	152.8	152.8	152.8	153.6	153.6
20°	699.0	571.4	334.0	184.5	151.2	143.0	141.4	141.4	142.2	143.0	143.0
22.5°	734.7	576.3	300.7	160.1	139.8	132.5	130.0	130.0	130.0	130.9	130.9
25°	765.6	576.3	267.4	144.7	130.0	122.7	119.5	118.7	119.5	119.5	119.5
27.5°	791.6	573.8	234.9	134.1	120.3	113.0	109.7	108.9	110.5	111.3	111.3
30°	819.3	570.6	208.9	124.4	112.2	104.8	101.6	101.6	104.0	107.3	107.3
32.5°	846.1	573.0	188.6	116.2	104.0	98.3	95.1	95.9	100.8	105.7	105.7
35°	874.5	577.9	176.4	110.5	98.3	92.7	90.2	92.7	97.5	102.4	102.4
37.5°	903.0	583.6	169.1	105.7	93.5	87.8	86.2	89.4	95.1	100.0	100.8
40°	933.1	588.4	160.9	100.8	90.2	83.7	82.9	86.2	93.5	98.3	99.2
42.5°	970.4	598.2	151.2	96.7	87.0	78.8	79.7	82.1	89.4	96.7	97.5
45°	1043.6	629.1	141.4	92.7	82.9	76.4	74.8	76.4	84.5	92.7	94.3
47.5°	1180.9	699.0	130.9	88.6	78.8	74.8	68.3	69.9	77.2	86.2	87.0
50°	1444.3	847.7	125.2	84.5	75.6	69.1	61.8	61.8	67.5	75.6	75.6
52.5°	1854.7	1114.3	128.4	81.3	71.5	63.4	56.1	55.3	58.5	64.2	64.2
55°	2297.7	1406.9	140.6	78.0	66.6	60.1	52.0	48.0	50.4	53.6	53.6
57.5°	2648.8	1554.0	173.9	76.4	61.0	57.7	47.1	41.5	43.9	47.1	47.1
60°	2803.2	1467.9	211.3	78.0	56.9	53.6	42.3	36.6	40.6	43.9	44.7
62.5°	2678.1	1208.6	226.8	74.0	51.2	48.0	41.5	34.1	39.0	41.5	42.3
65°	2407.4	918.4	177.2	64.2	47.1	41.5	37.4	32.5	36.6	39.0	39.0
66°	2279.0	800.6	151.2	59.3	45.5	39.0	35.8	32.5	35.8	37.4	38.2
67.5°	2079.9	631.5	112.2	52.0	42.3	35.8	33.3	30.9	34.1	35.8	35.8
70°	1626.3	376.3	67.5	40.6	36.6	31.7	30.1	28.4	30.9	31.7	31.7
72.5°	1018.4	178.8	43.1	30.1	30.9	30.1	25.2	26.8	27.6	28.4	28.4
75°	493.3	70.7	29.3	21.9	25.2	28.4	20.3	23.6	24.4	26.0	25.2
77.5°	137.4	34.1	18.7	16.3	21.9	21.9	15.4	18.7	21.9	27.6	25.2
80°	39.8	21.9	12.2	12.2	15.4	15.4	10.6	13.0	14.6	16.3	17.1
82.5°	27.6	14.6	8.1	8.9	8.9	9.8	6.5	6.5	8.1	8.1	8.9
85°	21.9	6.5	4.9	5.7	4.1	4.9	3.3	3.3	4.1	3.3	3.3
87.5°	8.9	3.3	3.3	3.3	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)