

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: P1210228

Luminaire Tested: **ARCH2-60-722-U-T2RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210228
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: ARCH2-60-722-U-T2RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 485mA 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: 5692 lumens
Efficiency: N/A
Efficacy: 89.2 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

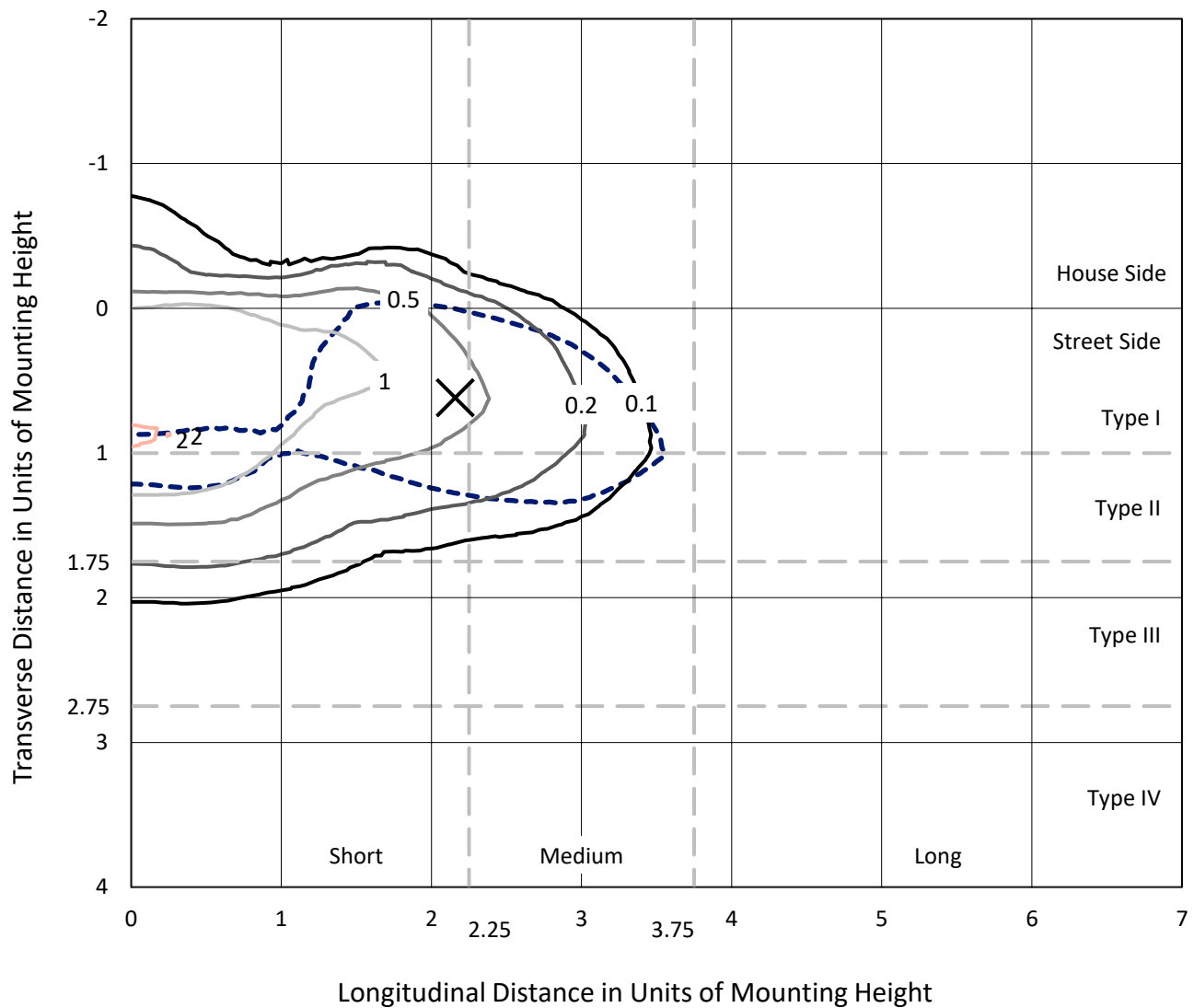
Input Watts (W): 63.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P1210228
 CATALOG NUMBER: ARCH2-60-722-U-T2RE-HSS

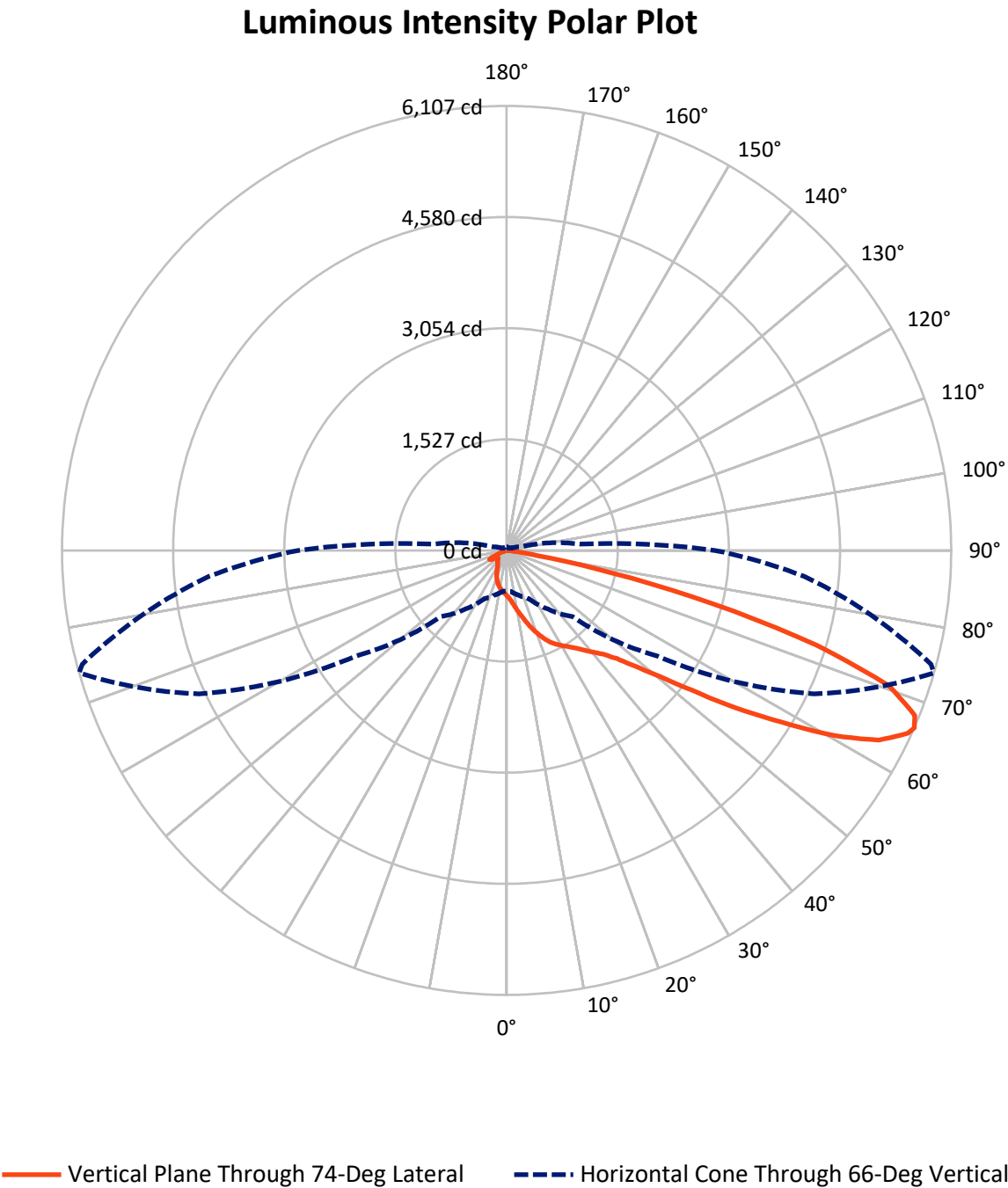
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type II - Short - N/A

REPORT NUMBER: P1210228
CATALOG NUMBER: ARCH2-60-722-U-T2RE-HSS



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	558.0	0.0	558.0
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	5134.0	0.0	5134.0
	% Fixture	90.2	0.0	90.2
Total	Lumens	5692.0	0.0	5692.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.6	1.1
10°-20°	194.4	3.4
20°-30°	371.0	6.5
30°-40°	650.3	11.4
40°-50°	1115.2	19.6
50°-60°	1450.4	25.5
60°-70°	1312.9	23.1
70°-80°	506.6	8.9
80°-90°	30.5	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°	5692.0	100.0
0°-180°	5692.0	100.0

Coefficient of Utilization



REPORT NUMBER: P1210228

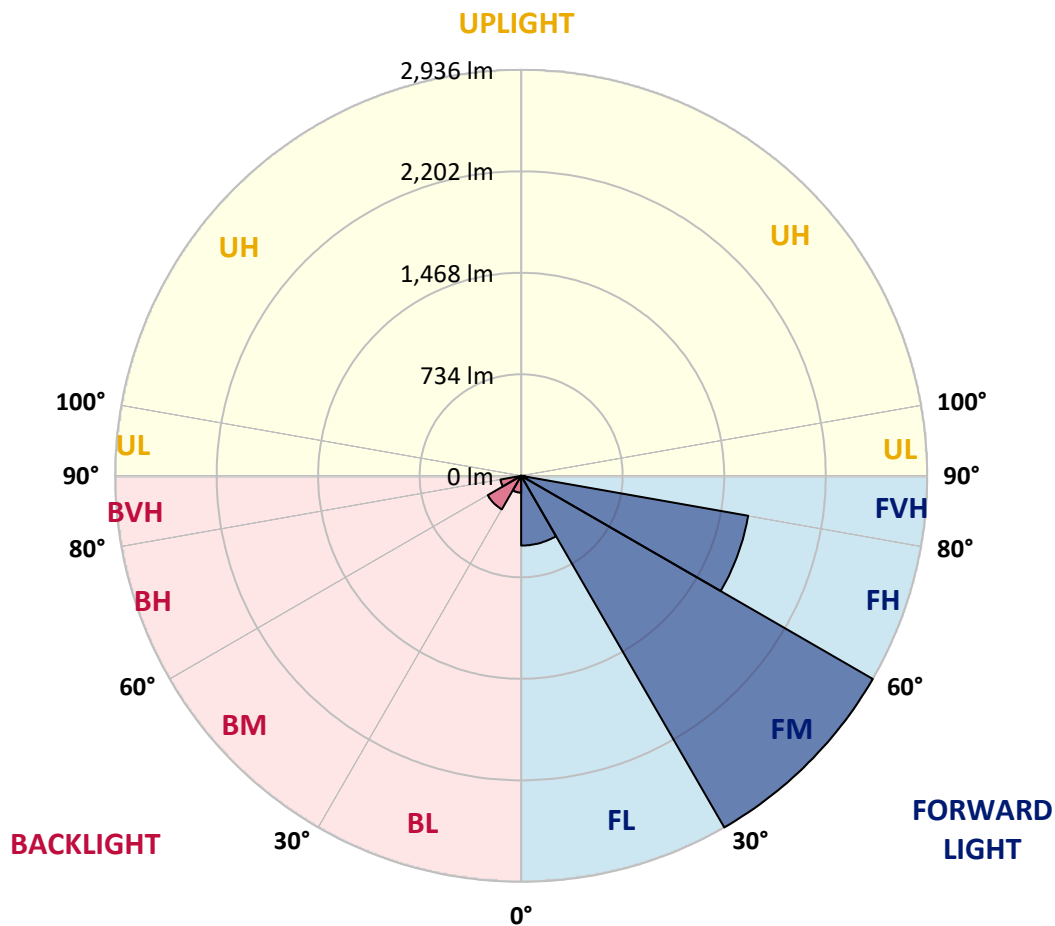
CATALOG NUMBER: ARCH2-60-722-U-T2RE-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	504.4	8.9			
FM	(30°-60°)	2936.2	51.6			
FH	(60°-80°)	1667.0	29.3			G1/1800
FVH	(80°-90°)	26.4	0.5			G1/100
BL	(0°-30°)	121.7	2.1	B1/500		
BM	(30°-60°)	279.7	4.9	B1/1000		
BH	(60°-80°)	152.5	2.7	B1/500		G1/500
BVH	(80°-90°)	4.1	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



REPORT NUMBER: P1210228

CATALOG NUMBER: ARCH2-60-722-U-T2RE-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	621.3	621.3	621.3	621.3	621.3	621.3	621.3	621.3	621.3	621.3	621.3
2.5°	746.0	739.9	728.6	727.6	718.4	707.2	687.8	667.3	653.0	651.0	633.6
5°	893.2	890.1	878.9	871.7	854.3	827.8	782.8	737.8	700.0	695.9	657.1
7.5°	932.0	934.0	936.1	943.2	937.1	924.8	891.1	827.8	768.5	759.3	691.8
10°	938.1	936.1	936.1	945.3	962.7	980.0	975.9	921.8	845.1	833.9	739.9
12.5°	1004.6	1007.6	1000.5	996.4	993.3	1002.5	1033.2	1009.7	925.9	916.7	798.1
15°	1090.4	1089.4	1079.2	1079.2	1070.0	1054.6	1074.0	1091.4	1022.9	1011.7	864.5
17.5°	1152.7	1156.8	1155.8	1161.9	1158.9	1138.4	1128.2	1164.0	1123.1	1108.8	940.2
20°	1202.8	1214.0	1218.1	1237.6	1246.7	1232.4	1205.9	1228.4	1219.2	1205.9	1016.8
22.5°	1255.9	1265.1	1272.3	1306.0	1331.6	1328.5	1294.8	1289.7	1312.2	1299.9	1092.4
25°	1309.1	1313.2	1334.6	1375.5	1416.4	1426.6	1391.9	1352.0	1396.0	1384.7	1159.9
27.5°	1367.3	1369.4	1394.9	1445.0	1502.2	1523.7	1496.1	1422.5	1460.3	1460.3	1221.2
30°	1473.6	1494.1	1504.3	1549.2	1599.3	1629.0	1596.2	1497.1	1517.6	1526.8	1285.6
32.5°	1702.5	1705.6	1702.5	1721.9	1732.2	1749.5	1711.7	1580.9	1575.8	1586.0	1348.9
35°	2052.0	2039.8	2007.1	1978.4	1919.2	1886.5	1837.4	1688.2	1647.3	1661.7	1411.3
37.5°	2476.1	2458.8	2384.2	2296.3	2169.5	2038.7	1977.4	1819.0	1738.3	1756.7	1478.7
40°	2880.8	2869.6	2780.7	2672.3	2455.7	2231.9	2102.1	1929.4	1839.5	1846.6	1547.2
42.5°	3214.0	3211.9	3137.3	3023.9	2745.9	2440.4	2249.3	2037.7	1945.7	1957.0	1618.7
45°	3466.4	3447.0	3391.8	3310.0	3026.9	2657.0	2427.1	2202.3	2116.4	2129.7	1726.0
47.5°	3466.4	3469.4	3505.2	3497.0	3223.2	2860.4	2621.2	2409.7	2368.8	2381.1	1902.8
50°	3184.3	3212.9	3372.4	3506.2	3325.3	3018.8	2830.7	2669.3	2711.2	2729.6	2211.4
52.5°	2626.3	2674.4	2951.3	3256.9	3249.7	3098.5	3047.4	2999.4	3187.4	3220.1	2667.2
55°	1995.8	2027.5	2388.2	2789.9	2920.7	3033.1	3236.4	3418.3	3817.9	3810.8	3130.2
57.5°	1491.0	1520.6	1831.3	2276.9	2449.6	2750.0	3333.5	3897.6	4443.3	4470.9	3564.5
60°	1096.5	1119.0	1383.7	1749.5	1998.9	2316.7	3294.7	4369.8	5163.8	5132.1	3947.7
62.5°	811.4	823.7	1014.8	1252.9	1584.0	1887.5	3050.4	4692.7	5739.1	5674.8	4161.3
65°	627.5	631.6	730.7	857.4	1151.7	1467.5	2686.6	4741.7	6057.0	5988.5	4157.2
66°	559.0	562.1	634.6	732.7	980.0	1284.6	2527.2	4663.0	6107.0	6034.5	4106.1
67.5°	469.1	467.0	509.9	574.3	735.8	991.3	2244.1	4433.1	6047.8	6011.0	3942.6
70°	347.5	348.5	369.9	385.3	430.2	548.8	1620.8	3845.5	5573.6	5571.5	3494.0
72.5°	257.5	260.6	276.9	280.0	268.8	297.4	934.0	3058.6	4458.7	4459.7	2612.0
75°	193.1	198.3	203.4	205.4	195.2	188.0	422.1	2058.2	2932.9	2911.5	1478.7
77.5°	147.2	149.2	153.3	150.2	148.2	129.8	175.8	1003.5	1448.1	1319.3	479.3
80°	107.3	107.3	111.4	107.3	106.3	93.0	96.1	321.9	425.1	353.6	103.2
82.5°	67.4	66.4	69.5	68.5	66.4	59.3	56.2	89.9	98.1	87.9	50.1
85°	37.8	36.8	35.8	34.7	31.7	26.6	30.7	33.7	45.0	46.0	35.8
87.5°	13.3	13.3	12.3	11.2	9.2	9.2	11.2	11.2	16.4	16.4	18.4
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: P1210228

CATALOG NUMBER: ARCH2-60-722-U-T2RE-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	621.3	621.3	621.3	621.3	621.3	621.3	621.3	621.3	621.3	621.3	621.3
2.5°	625.4	614.2	597.8	576.4	561.0	545.7	529.4	520.2	506.9	503.8	507.9
5°	636.7	616.2	575.3	530.4	491.5	456.8	424.1	404.7	385.3	378.1	381.2
7.5°	660.2	625.4	555.9	483.4	419.0	366.9	328.0	305.6	288.2	281.0	283.1
10°	694.9	641.8	537.5	430.2	347.5	292.3	259.6	245.3	235.0	231.0	232.0
12.5°	736.8	665.3	514.0	377.1	286.1	238.1	222.8	219.7	217.7	215.6	216.6
15°	783.8	685.7	486.4	325.0	238.1	211.5	206.4	205.4	204.4	204.4	204.4
17.5°	832.9	704.1	455.8	275.9	207.5	195.2	192.1	192.1	192.1	193.1	193.1
20°	878.9	718.4	420.0	232.0	190.1	179.9	177.8	177.8	178.8	179.9	179.9
22.5°	923.8	724.5	378.1	201.3	175.8	166.6	163.5	163.5	163.5	164.5	164.5
25°	962.7	724.5	336.2	181.9	163.5	154.3	150.2	149.2	150.2	150.2	150.2
27.5°	995.4	721.5	295.3	168.6	151.2	142.0	138.0	136.9	139.0	140.0	140.0
30°	1030.1	717.4	262.6	156.4	141.0	131.8	127.7	127.7	130.8	134.9	134.9
32.5°	1063.8	720.5	237.1	146.1	130.8	123.7	119.6	120.6	126.7	132.9	132.9
35°	1099.6	726.6	221.8	139.0	123.7	116.5	113.4	116.5	122.6	128.8	128.8
37.5°	1135.4	733.7	212.6	132.9	117.5	110.4	108.3	112.4	119.6	125.7	126.7
40°	1173.2	739.9	202.3	126.7	113.4	105.3	104.2	108.3	117.5	123.7	124.7
42.5°	1220.2	752.1	190.1	121.6	109.3	99.1	100.1	103.2	112.4	121.6	122.6
45°	1312.2	791.0	177.8	116.5	104.2	96.1	94.0	96.1	106.3	116.5	118.5
47.5°	1484.9	878.9	164.5	111.4	99.1	94.0	85.8	87.9	97.1	108.3	109.3
50°	1816.0	1065.9	157.4	106.3	95.0	86.9	77.7	77.7	84.8	95.0	95.0
52.5°	2332.0	1401.1	161.5	102.2	89.9	79.7	70.5	69.5	73.6	80.7	80.7
55°	2889.0	1769.0	176.8	98.1	83.8	75.6	65.4	60.3	63.4	67.4	67.4
57.5°	3330.5	1953.9	218.7	96.1	76.6	72.6	59.3	52.1	55.2	59.3	59.3
60°	3524.6	1845.6	265.7	98.1	71.5	67.4	53.1	46.0	51.1	55.2	56.2
62.5°	3367.2	1519.6	285.1	93.0	64.4	60.3	52.1	42.9	49.1	52.1	53.1
65°	3026.9	1154.8	222.8	80.7	59.3	52.1	47.0	40.9	46.0	49.1	49.1
66°	2865.5	1006.6	190.1	74.6	57.2	49.1	45.0	40.9	45.0	47.0	48.0
67.5°	2615.1	794.0	141.0	65.4	53.1	45.0	41.9	38.8	42.9	45.0	45.0
70°	2044.9	473.2	84.8	51.1	46.0	39.9	37.8	35.8	38.8	39.9	39.9
72.5°	1280.5	224.8	54.2	37.8	38.8	37.8	31.7	33.7	34.7	35.8	35.8
75°	620.3	88.9	36.8	27.6	31.7	35.8	25.5	29.6	30.7	32.7	31.7
77.5°	172.7	42.9	23.5	20.4	27.6	27.6	19.4	23.5	27.6	34.7	31.7
80°	50.1	27.6	15.3	15.3	19.4	19.4	13.3	16.4	18.4	20.4	21.5
82.5°	34.7	18.4	10.2	11.2	11.2	12.3	8.2	8.2	10.2	10.2	11.2
85°	27.6	8.2	6.1	7.2	5.1	6.1	4.1	4.1	5.1	4.1	4.1
87.5°	11.2	4.1	4.1	4.1	3.1	3.1	2.0	1.0	1.0	1.0	1.0
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)