

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: P1209960

Luminaire Tested: **ARCH1-30-750-U-T2RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1209960
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: ARCH1-30-750-U-T2RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 5000K, 950mA LIGHTSQUARE WITH 10 LEDS AND TYPE II ROADWAY
ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

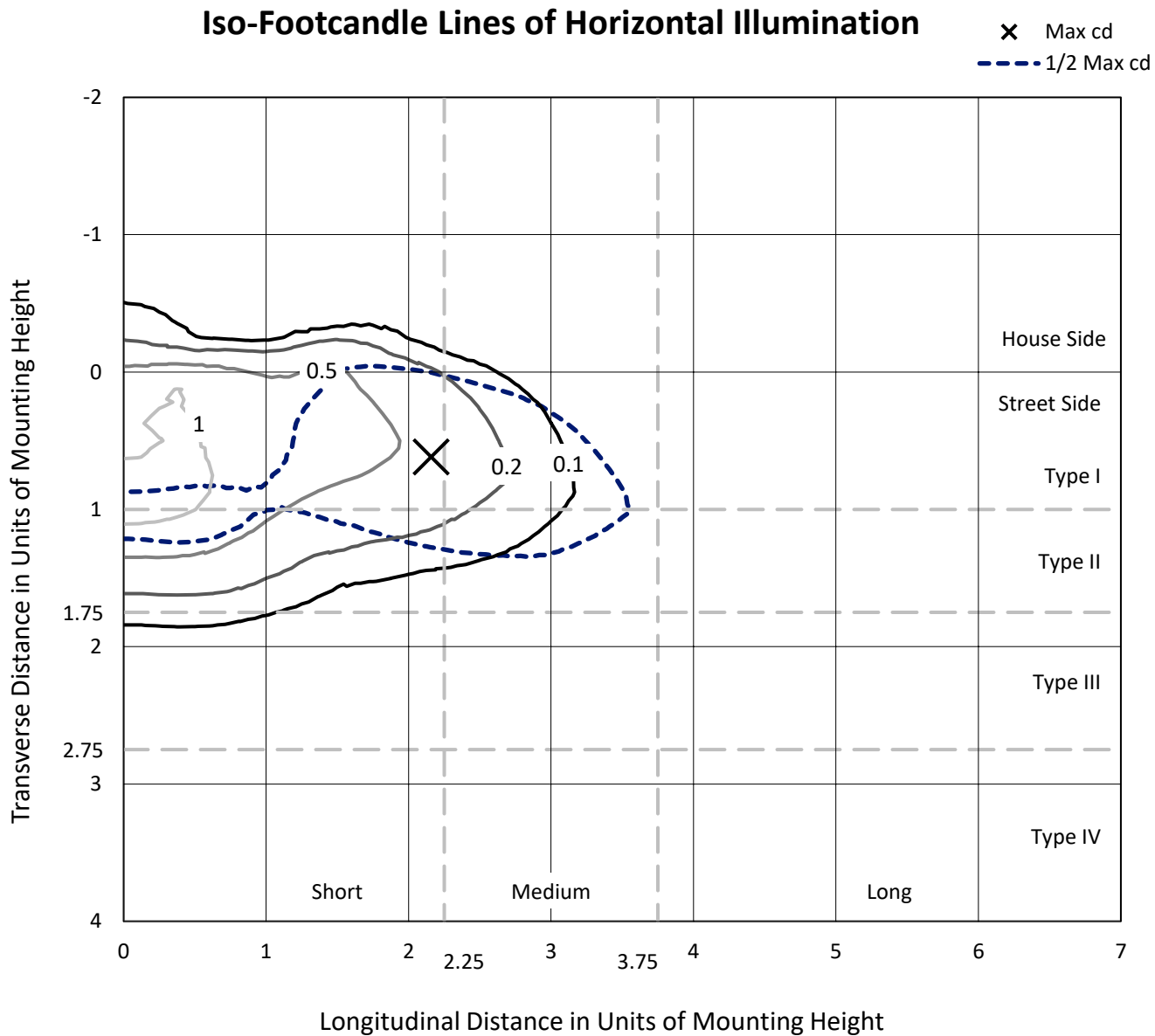
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3488 lumens
Efficiency: N/A
Efficacy: 105.7 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

Input Watts (W): 33
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

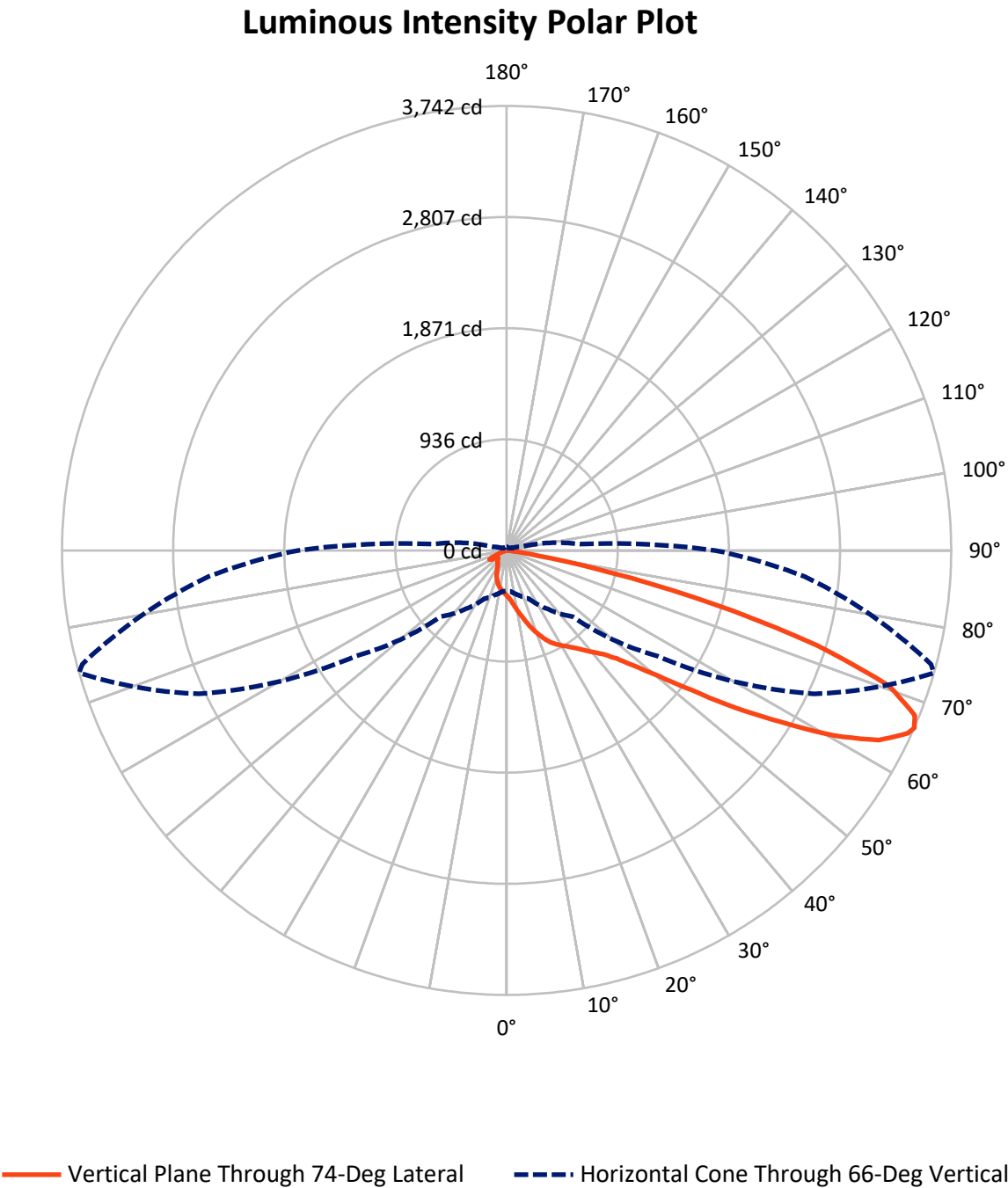


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Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
Type II - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	341.9	0.0	341.9
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	3146.1	0.0	3146.1
	% Fixture	90.2	0.0	90.2
Total	Lumens	3488.0	0.0	3488.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.2	1.1
10°-20°	119.1	3.4
20°-30°	227.4	6.5
30°-40°	398.5	11.4
40°-50°	683.4	19.6
50°-60°	888.8	25.5
60°-70°	804.6	23.1
70°-80°	310.4	8.9
80°-90°	18.7	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°	3488.0	100.0
0°-180°	3488.0	100.0

Coefficient of Utilization



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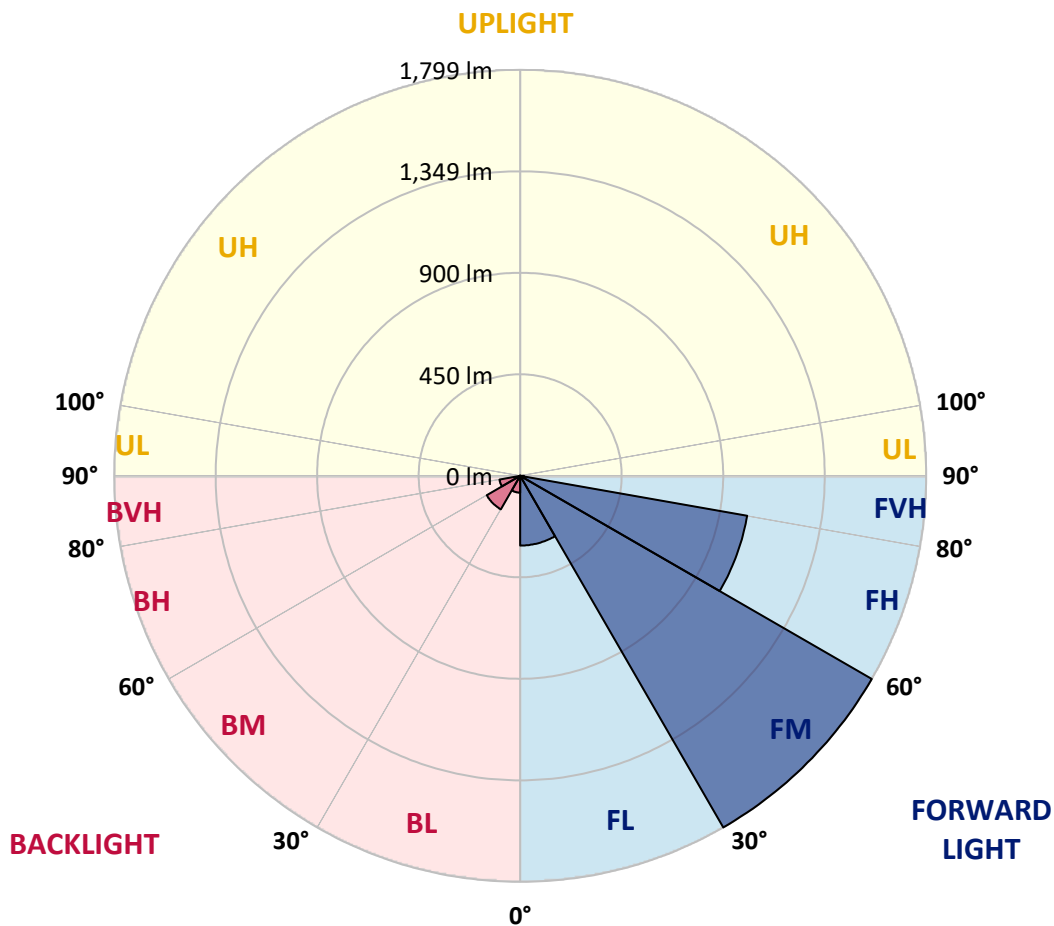
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	309.1	8.9			
FM	(30°-60°)	1799.3	51.6			
FH	(60°-80°)	1021.5	29.3			G1/1800
FVH	(80°-90°)	16.2	0.5			G1/100
BL	(0°-30°)	74.6	2.1	B0/110		
BM	(30°-60°)	171.4	4.9	B0/220		
BH	(60°-80°)	93.5	2.7	B0/110		G0/110
BVH	(80°-90°)	2.5	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	380.7	380.7	380.7	380.7	380.7	380.7	380.7	380.7	380.7	380.7	380.7
2.5°	457.1	453.4	446.5	445.9	440.2	433.3	421.5	408.9	400.2	398.9	388.3
5°	547.3	545.4	538.6	534.2	523.5	507.2	479.7	452.1	429.0	426.5	402.7
7.5°	571.1	572.4	573.6	578.0	574.2	566.7	546.1	507.2	470.9	465.3	424.0
10°	574.9	573.6	573.6	579.3	589.9	600.6	598.0	564.9	517.9	511.0	453.4
12.5°	615.6	617.5	613.1	610.6	608.7	614.3	633.1	618.7	567.4	561.7	489.1
15°	668.2	667.6	661.3	661.3	655.7	646.3	658.2	668.8	626.9	620.0	529.8
17.5°	706.4	708.9	708.3	712.0	710.1	697.6	691.4	713.3	688.2	679.5	576.1
20°	737.1	744.0	746.5	758.4	764.0	755.2	738.9	752.7	747.1	738.9	623.1
22.5°	769.6	775.3	779.7	800.3	816.0	814.1	793.4	790.3	804.1	796.6	669.4
25°	802.2	804.7	817.9	842.9	867.9	874.2	852.9	828.5	855.4	848.5	710.8
27.5°	837.9	839.1	854.8	885.5	920.6	933.7	916.8	871.7	894.9	894.9	748.3
30°	903.0	915.5	921.8	949.4	980.0	998.2	978.2	917.4	929.9	935.6	787.8
32.5°	1043.3	1045.2	1043.3	1055.2	1061.5	1072.1	1048.9	968.8	965.6	971.9	826.6
35°	1257.5	1249.9	1229.9	1212.4	1176.1	1156.0	1126.0	1034.5	1009.5	1018.2	864.8
37.5°	1517.3	1506.7	1461.0	1407.1	1329.5	1249.3	1211.7	1114.7	1065.2	1076.5	906.1
40°	1765.3	1758.4	1704.0	1637.6	1504.8	1367.7	1288.1	1182.3	1127.2	1131.6	948.1
42.5°	1969.5	1968.2	1922.5	1853.0	1682.7	1495.4	1378.3	1248.7	1192.3	1199.2	991.9
45°	2124.2	2112.3	2078.4	2028.3	1854.9	1628.2	1487.3	1349.5	1296.9	1305.1	1057.7
47.5°	2124.2	2126.0	2148.0	2142.9	1975.1	1752.8	1606.3	1476.6	1451.6	1459.1	1166.0
50°	1951.3	1968.9	2066.5	2148.6	2037.7	1849.9	1734.6	1635.7	1661.4	1672.6	1355.2
52.5°	1609.4	1638.8	1808.5	1995.8	1991.4	1898.7	1867.4	1838.0	1953.2	1973.2	1634.4
55°	1223.0	1242.4	1463.5	1709.6	1789.8	1858.6	1983.3	2094.7	2339.6	2335.2	1918.1
57.5°	913.7	931.8	1122.2	1395.2	1501.1	1685.2	2042.7	2388.4	2722.8	2739.7	2184.3
60°	671.9	685.7	847.9	1072.1	1224.9	1419.7	2019.0	2677.7	3164.3	3144.9	2419.1
62.5°	497.2	504.7	621.8	767.8	970.7	1156.6	1869.3	2875.6	3516.9	3477.4	2550.0
65°	384.5	387.0	447.8	525.4	705.8	899.3	1646.3	2905.7	3711.6	3669.7	2547.5
66°	342.5	344.4	388.9	449.0	600.6	787.2	1548.7	2857.5	3742.3	3697.9	2516.2
67.5°	287.4	286.2	312.5	351.9	450.9	607.4	1375.2	2716.6	3706.0	3683.5	2416.0
70°	212.9	213.5	226.7	236.1	263.6	336.3	993.2	2356.5	3415.4	3414.2	2141.1
72.5°	157.8	159.7	169.7	171.6	164.7	182.2	572.4	1874.3	2732.2	2732.8	1600.6
75°	118.4	121.5	124.6	125.9	119.6	115.2	258.6	1261.2	1797.3	1784.1	906.1
77.5°	90.2	91.4	93.9	92.1	90.8	79.5	107.7	615.0	887.4	808.5	293.7
80°	65.8	65.8	68.3	65.8	65.1	57.0	58.9	197.3	260.5	216.7	63.2
82.5°	41.3	40.7	42.6	42.0	40.7	36.3	34.4	55.1	60.1	53.9	30.7
85°	23.2	22.5	21.9	21.3	19.4	16.3	18.8	20.7	27.6	28.2	21.9
87.5°	8.1	8.1	7.5	6.9	5.6	5.6	6.9	6.9	10.0	10.0	11.3
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°	380.7	380.7	380.7	380.7	380.7	380.7	380.7	380.7	380.7	380.7	380.7
2.5°	383.3	376.4	366.3	353.2	343.8	334.4	324.4	318.7	310.6	308.7	311.2
5°	390.1	377.6	352.6	325.0	301.2	279.9	259.9	248.0	236.1	231.7	233.6
7.5°	404.5	383.3	340.7	296.2	256.8	224.8	201.0	187.2	176.6	172.2	173.5
10°	425.8	393.3	329.4	263.6	212.9	179.1	159.1	150.3	144.0	141.5	142.2
12.5°	451.5	407.7	315.0	231.1	175.3	145.9	136.5	134.6	133.4	132.1	132.8
15°	480.3	420.2	298.1	199.1	145.9	129.6	126.5	125.9	125.2	125.2	125.2
17.5°	510.4	431.5	279.3	169.1	127.1	119.6	117.7	117.7	117.7	118.4	118.4
20°	538.6	440.2	257.4	142.2	116.5	110.2	109.0	109.0	109.6	110.2	110.2
22.5°	566.1	444.0	231.7	123.4	107.7	102.1	100.2	100.2	100.2	100.8	100.8
25°	589.9	444.0	206.0	111.5	100.2	94.6	92.1	91.4	92.1	92.1	92.1
27.5°	609.9	442.1	181.0	103.3	92.7	87.0	84.5	83.9	85.2	85.8	85.8
30°	631.2	439.6	160.9	95.8	86.4	80.8	78.3	78.3	80.2	82.7	82.7
32.5°	651.9	441.5	145.3	89.6	80.2	75.8	73.3	73.9	77.7	81.4	81.4
35°	673.8	445.2	135.9	85.2	75.8	71.4	69.5	71.4	75.1	78.9	78.9
37.5°	695.7	449.6	130.3	81.4	72.0	67.6	66.4	68.9	73.3	77.0	77.7
40°	718.9	453.4	124.0	77.7	69.5	64.5	63.9	66.4	72.0	75.8	76.4
42.5°	747.7	460.9	116.5	74.5	67.0	60.7	61.4	63.2	68.9	74.5	75.1
45°	804.1	484.7	109.0	71.4	63.9	58.9	57.6	58.9	65.1	71.4	72.6
47.5°	909.9	538.6	100.8	68.3	60.7	57.6	52.6	53.9	59.5	66.4	67.0
50°	1112.8	653.2	96.4	65.1	58.2	53.2	47.6	47.6	52.0	58.2	58.2
52.5°	1429.0	858.6	98.9	62.6	55.1	48.8	43.2	42.6	45.1	49.5	49.5
55°	1770.3	1084.0	108.3	60.1	51.4	46.3	40.1	36.9	38.8	41.3	41.3
57.5°	2040.9	1197.3	134.0	58.9	47.0	44.5	36.3	31.9	33.8	36.3	36.3
60°	2159.9	1131.0	162.8	60.1	43.8	41.3	32.6	28.2	31.3	33.8	34.4
62.5°	2063.4	931.2	174.7	57.0	39.5	36.9	31.9	26.3	30.1	31.9	32.6
65°	1854.9	707.6	136.5	49.5	36.3	31.9	28.8	25.0	28.2	30.1	30.1
66°	1755.9	616.8	116.5	45.7	35.1	30.1	27.6	25.0	27.6	28.8	29.4
67.5°	1602.5	486.6	86.4	40.1	32.6	27.6	25.7	23.8	26.3	27.6	27.6
70°	1253.1	289.9	52.0	31.3	28.2	24.4	23.2	21.9	23.8	24.4	24.4
72.5°	784.7	137.8	33.2	23.2	23.8	23.2	19.4	20.7	21.3	21.9	21.9
75°	380.1	54.5	22.5	16.9	19.4	21.9	15.7	18.2	18.8	20.0	19.4
77.5°	105.8	26.3	14.4	12.5	16.9	16.9	11.9	14.4	16.9	21.3	19.4
80°	30.7	16.9	9.4	9.4	11.9	11.9	8.1	10.0	11.3	12.5	13.2
82.5°	21.3	11.3	6.3	6.9	6.9	7.5	5.0	5.0	6.3	6.3	6.9
85°	16.9	5.0	3.8	4.4	3.1	3.8	2.5	2.5	3.1	2.5	2.5
87.5°	6.9	2.5	2.5	2.5	1.9	1.9	1.3	0.6	0.6	0.6	0.6
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)