

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: P1209916

Luminaire Tested: **ARCH1-20-730-U-T2RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1209916
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: ARCH1-20-730-U-T2RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 3000K, 700mA LIGHTSQUARE WITH 10 LEDS AND TYPE II ROADWAY
ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

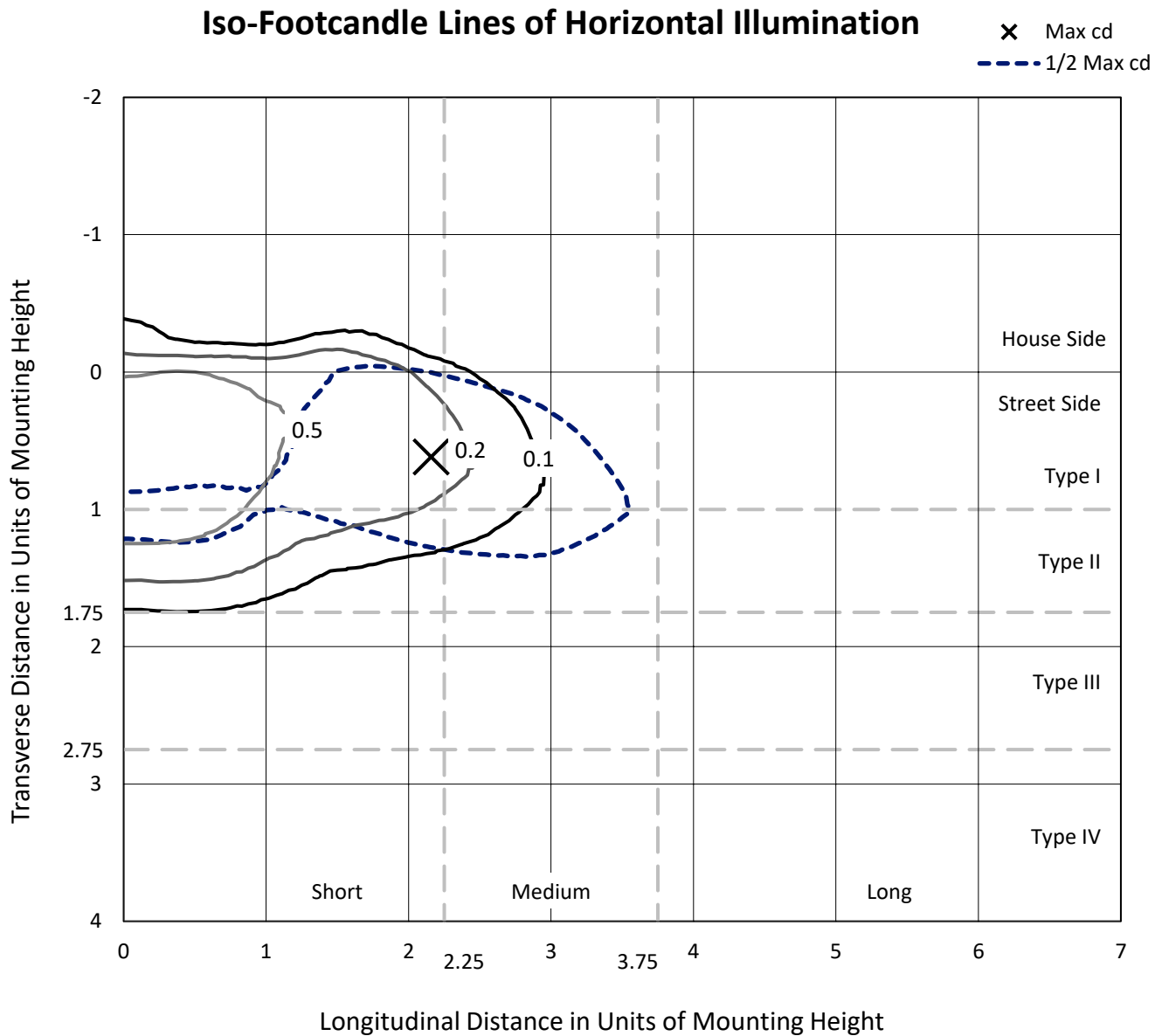
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2526 lumens
Efficiency: N/A
Efficacy: 107.5 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): 23.5
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

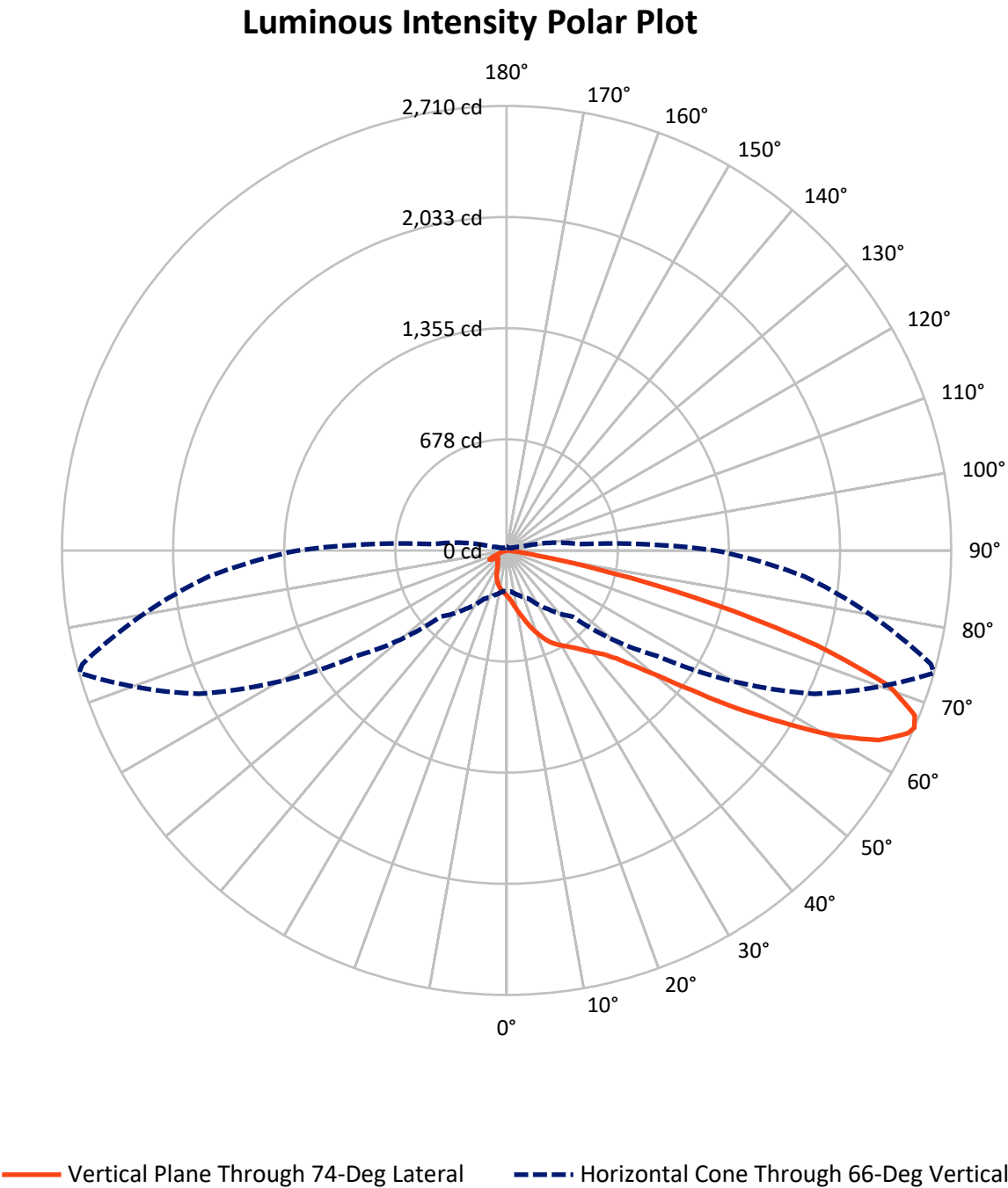


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Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
Type II - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	247.6	0.0	247.6
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	2278.4	0.0	2278.4
	% Fixture	90.2	0.0	90.2
Total	Lumens	2526.0	0.0	2526.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.9	1.1
10°-20°	86.3	3.4
20°-30°	164.7	6.5
30°-40°	288.6	11.4
40°-50°	494.9	19.6
50°-60°	643.6	25.5
60°-70°	582.7	23.1
70°-80°	224.8	8.9
80°-90°	13.5	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°	2526.0	100.0
0°-180°	2526.0	100.0

Coefficient of Utilization



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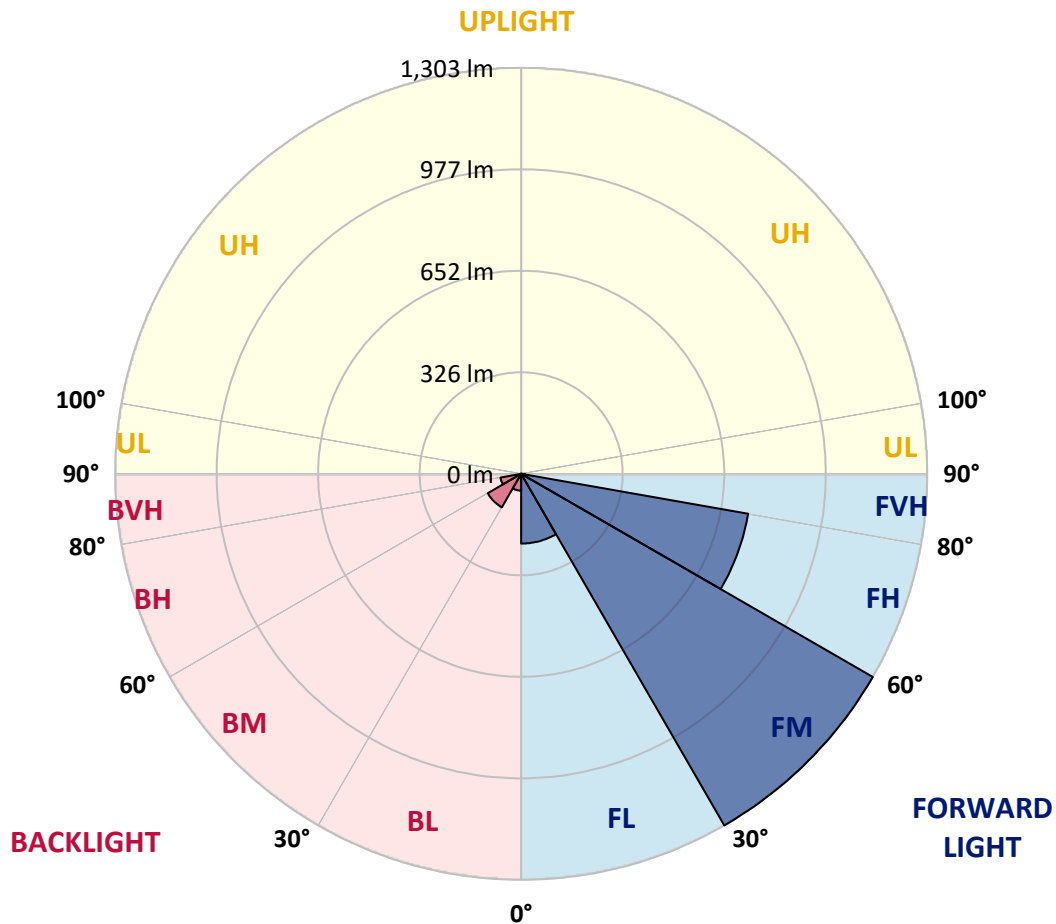
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	223.8	8.9			
FM	(30°-60°)	1303.0	51.6			
FH	(60°-80°)	739.8	29.3			G1/1800
FVH	(80°-90°)	11.7	0.5			G1/100
BL	(0°-30°)	54.0	2.1	B0/110		
BM	(30°-60°)	124.1	4.9	B0/220		
BH	(60°-80°)	67.7	2.7	B0/110		G0/110
BVH	(80°-90°)	1.8	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°	275.7	275.7	275.7	275.7	275.7	275.7	275.7	275.7	275.7	275.7	275.7
2.5°	331.1	328.3	323.4	322.9	318.8	313.8	305.2	296.1	289.8	288.9	281.2
5°	396.4	395.0	390.0	386.8	379.1	367.3	347.4	327.4	310.7	308.8	291.6
7.5°	413.6	414.5	415.4	418.6	415.9	410.4	395.5	367.3	341.0	337.0	307.0
10°	416.3	415.4	415.4	419.5	427.2	434.9	433.1	409.1	375.1	370.1	328.3
12.5°	445.8	447.2	444.0	442.2	440.8	444.9	458.5	448.1	410.9	406.8	354.2
15°	483.9	483.4	478.9	478.9	474.8	468.0	476.6	484.3	454.0	449.0	383.7
17.5°	511.6	513.4	512.9	515.6	514.3	505.2	500.7	516.5	498.4	492.1	417.2
20°	533.8	538.8	540.6	549.2	553.3	546.9	535.1	545.1	541.0	535.1	451.2
22.5°	557.4	561.4	564.6	579.6	590.9	589.6	574.6	572.3	582.3	576.9	484.8
25°	580.9	582.8	592.3	610.4	628.6	633.1	617.7	600.0	619.5	614.5	514.7
27.5°	606.8	607.7	619.0	641.3	666.7	676.2	663.9	631.3	648.1	648.1	541.9
30°	654.0	663.0	667.6	687.5	709.7	722.9	708.4	664.4	673.5	677.5	570.5
32.5°	755.5	756.9	755.5	764.2	768.7	776.4	759.6	701.6	699.3	703.8	598.6
35°	910.7	905.2	890.7	878.0	851.7	837.2	815.4	749.2	731.1	737.4	626.3
37.5°	1098.9	1091.1	1058.0	1019.0	962.8	904.8	877.5	807.2	771.4	779.6	656.2
40°	1278.4	1273.5	1234.0	1185.9	1089.8	990.5	932.9	856.2	816.3	819.5	686.6
42.5°	1426.3	1425.4	1392.3	1341.9	1218.6	1083.0	998.2	904.3	863.5	868.5	718.4
45°	1538.3	1529.7	1505.2	1468.9	1343.3	1179.1	1077.1	977.3	939.2	945.1	766.0
47.5°	1538.3	1539.7	1555.5	1551.9	1430.4	1269.4	1163.3	1069.4	1051.2	1056.7	844.4
50°	1413.1	1425.8	1496.6	1556.0	1475.7	1339.7	1256.2	1184.6	1203.2	1211.3	981.4
52.5°	1165.5	1186.8	1309.7	1445.3	1442.2	1375.0	1352.4	1331.1	1414.5	1429.0	1183.7
55°	885.7	899.8	1059.9	1238.1	1296.1	1346.0	1436.3	1517.0	1694.3	1691.1	1389.1
57.5°	661.7	674.8	812.7	1010.4	1087.1	1220.4	1479.4	1729.7	1971.9	1984.1	1581.8
60°	486.6	496.6	614.1	776.4	887.1	1028.1	1462.1	1939.2	2291.6	2277.5	1751.9
62.5°	360.1	365.5	450.3	556.0	702.9	837.6	1353.7	2082.5	2546.9	2518.3	1846.7
65°	278.5	280.3	324.3	380.5	511.1	651.2	1192.3	2104.3	2688.0	2657.6	1844.9
66°	248.1	249.4	281.6	325.2	434.9	570.1	1121.5	2069.4	2710.2	2678.0	1822.2
67.5°	208.2	207.3	226.3	254.9	326.5	439.9	995.9	1967.3	2683.9	2667.6	1749.6
70°	154.2	154.6	164.2	171.0	190.9	243.5	719.3	1706.6	2473.4	2472.5	1550.6
72.5°	114.3	115.6	122.9	124.3	119.3	132.0	414.5	1357.4	1978.7	1979.1	1159.2
75°	85.7	88.0	90.2	91.2	86.6	83.4	187.3	913.4	1301.6	1292.1	656.2
77.5°	65.3	66.2	68.0	66.7	65.8	57.6	78.0	445.3	642.6	585.5	212.7
80°	47.6	47.6	49.4	47.6	47.2	41.3	42.6	142.9	188.7	156.9	45.8
82.5°	29.9	29.5	30.8	30.4	29.5	26.3	24.9	39.9	43.5	39.0	22.2
85°	16.8	16.3	15.9	15.4	14.1	11.8	13.6	15.0	20.0	20.4	15.9
87.5°	5.9	5.9	5.4	5.0	4.1	4.1	5.0	5.0	7.3	7.3	8.2
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°	275.7	275.7	275.7	275.7	275.7	275.7	275.7	275.7	275.7	275.7	275.7
2.5°	277.5	272.6	265.3	255.8	249.0	242.2	234.9	230.8	224.9	223.6	225.4
5°	282.5	273.5	255.3	235.4	218.1	202.7	188.2	179.6	171.0	167.8	169.2
7.5°	293.0	277.5	246.7	214.5	185.9	162.8	145.6	135.6	127.9	124.7	125.6
10°	308.4	284.8	238.5	190.9	154.2	129.7	115.2	108.8	104.3	102.5	102.9
12.5°	327.0	295.2	228.1	167.3	127.0	105.7	98.9	97.5	96.6	95.7	96.1
15°	347.8	304.3	215.9	144.2	105.7	93.9	91.6	91.2	90.7	90.7	90.7
17.5°	369.6	312.5	202.3	122.4	92.1	86.6	85.3	85.3	85.3	85.7	85.7
20°	390.0	318.8	186.4	102.9	84.4	79.8	78.9	78.9	79.4	79.8	79.8
22.5°	410.0	321.5	167.8	89.3	78.0	73.9	72.6	72.6	72.6	73.0	73.0
25°	427.2	321.5	149.2	80.7	72.6	68.5	66.7	66.2	66.7	66.7	66.7
27.5°	441.7	320.2	131.1	74.8	67.1	63.0	61.2	60.8	61.7	62.1	62.1
30°	457.1	318.4	116.6	69.4	62.6	58.5	56.7	56.7	58.0	59.9	59.9
32.5°	472.1	319.7	105.2	64.9	58.0	54.9	53.1	53.5	56.2	59.0	59.0
35°	488.0	322.4	98.4	61.7	54.9	51.7	50.3	51.7	54.4	57.1	57.1
37.5°	503.9	325.6	94.3	59.0	52.2	49.0	48.1	49.9	53.1	55.8	56.2
40°	520.6	328.3	89.8	56.2	50.3	46.7	46.3	48.1	52.2	54.9	55.3
42.5°	541.5	333.8	84.4	54.0	48.5	44.0	44.4	45.8	49.9	54.0	54.4
45°	582.3	351.0	78.9	51.7	46.3	42.6	41.7	42.6	47.2	51.7	52.6
47.5°	659.0	390.0	73.0	49.4	44.0	41.7	38.1	39.0	43.1	48.1	48.5
50°	805.9	473.0	69.8	47.2	42.2	38.5	34.5	34.5	37.6	42.2	42.2
52.5°	1034.9	621.8	71.7	45.4	39.9	35.4	31.3	30.8	32.7	35.8	35.8
55°	1282.1	785.0	78.5	43.5	37.2	33.6	29.0	26.8	28.1	29.9	29.9
57.5°	1478.0	867.1	97.1	42.6	34.0	32.2	26.3	23.1	24.5	26.3	26.3
60°	1564.2	819.0	117.9	43.5	31.7	29.9	23.6	20.4	22.7	24.5	24.9
62.5°	1494.3	674.4	126.5	41.3	28.6	26.8	23.1	19.0	21.8	23.1	23.6
65°	1343.3	512.5	98.9	35.8	26.3	23.1	20.9	18.1	20.4	21.8	21.8
66°	1271.6	446.7	84.4	33.1	25.4	21.8	20.0	18.1	20.0	20.9	21.3
67.5°	1160.5	352.4	62.6	29.0	23.6	20.0	18.6	17.2	19.0	20.0	20.0
70°	907.5	210.0	37.6	22.7	20.4	17.7	16.8	15.9	17.2	17.7	17.7
72.5°	568.2	99.8	24.0	16.8	17.2	16.8	14.1	15.0	15.4	15.9	15.9
75°	275.3	39.5	16.3	12.2	14.1	15.9	11.3	13.2	13.6	14.5	14.1
77.5°	76.6	19.0	10.4	9.1	12.2	12.2	8.6	10.4	12.2	15.4	14.1
80°	22.2	12.2	6.8	6.8	8.6	8.6	5.9	7.3	8.2	9.1	9.5
82.5°	15.4	8.2	4.5	5.0	5.0	5.4	3.6	3.6	4.5	4.5	5.0
85°	12.2	3.6	2.7	3.2	2.3	2.7	1.8	1.8	2.3	1.8	1.8
87.5°	5.0	1.8	1.8	1.8	1.4	1.4	0.9	0.5	0.5	0.5	0.5
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)