

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: P1209950

Luminaire Tested: **ARCH1-30-730-U-T3RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1209950
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-4)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH1-30-730-U-T3RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 3000K, 950mA LIGHTSQUARE WITH 10 LEDS AND TYPE III ROADWAY
ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3265 lumens
Efficiency: N/A
Efficacy: 98.9 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type III - 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

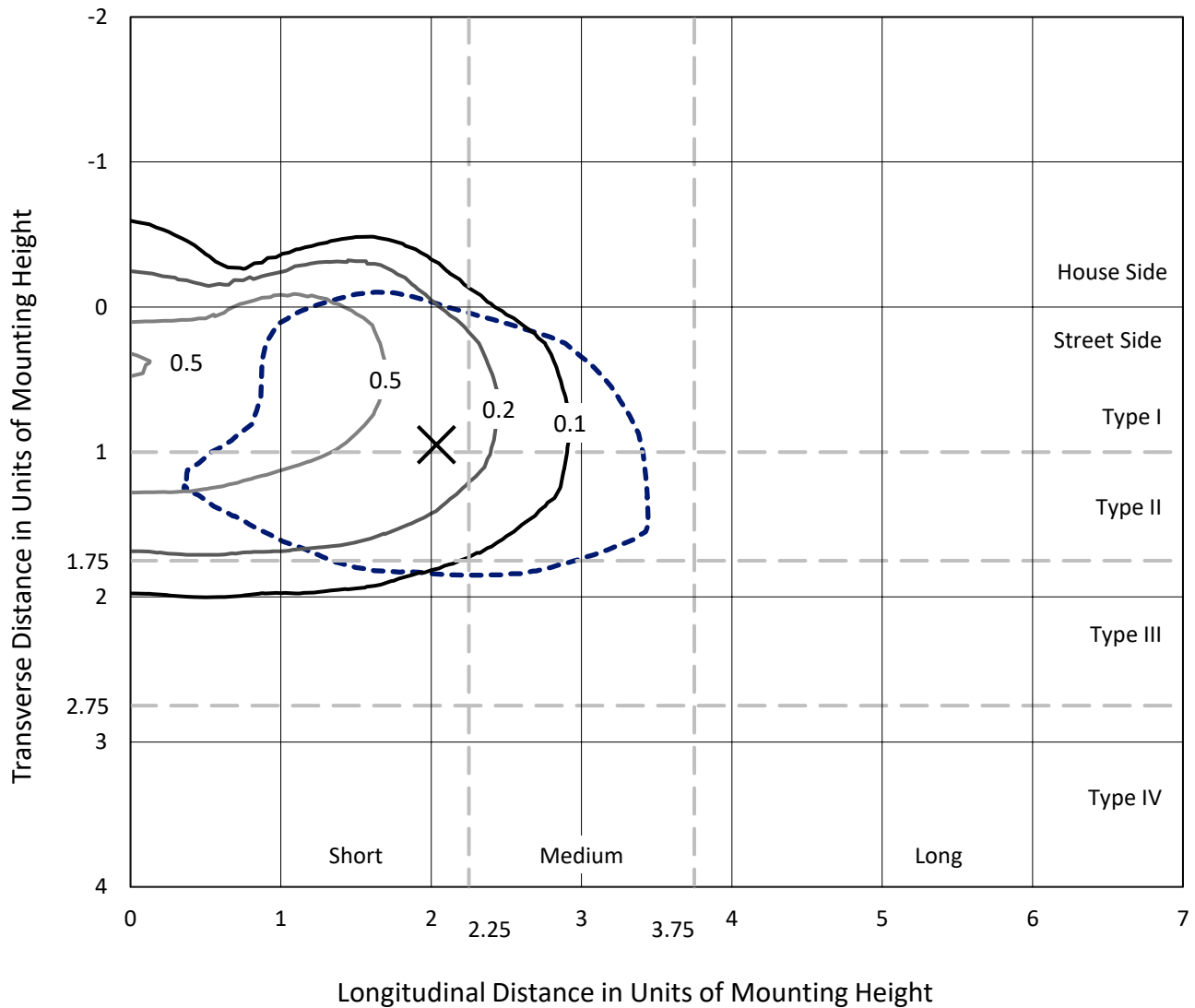


REPORT NUMBER: P1209950

CATALOG NUMBER: ARCH1-30-730-U-T3RE-HSS

Iso-Footcandle Lines of Horizontal Illumination

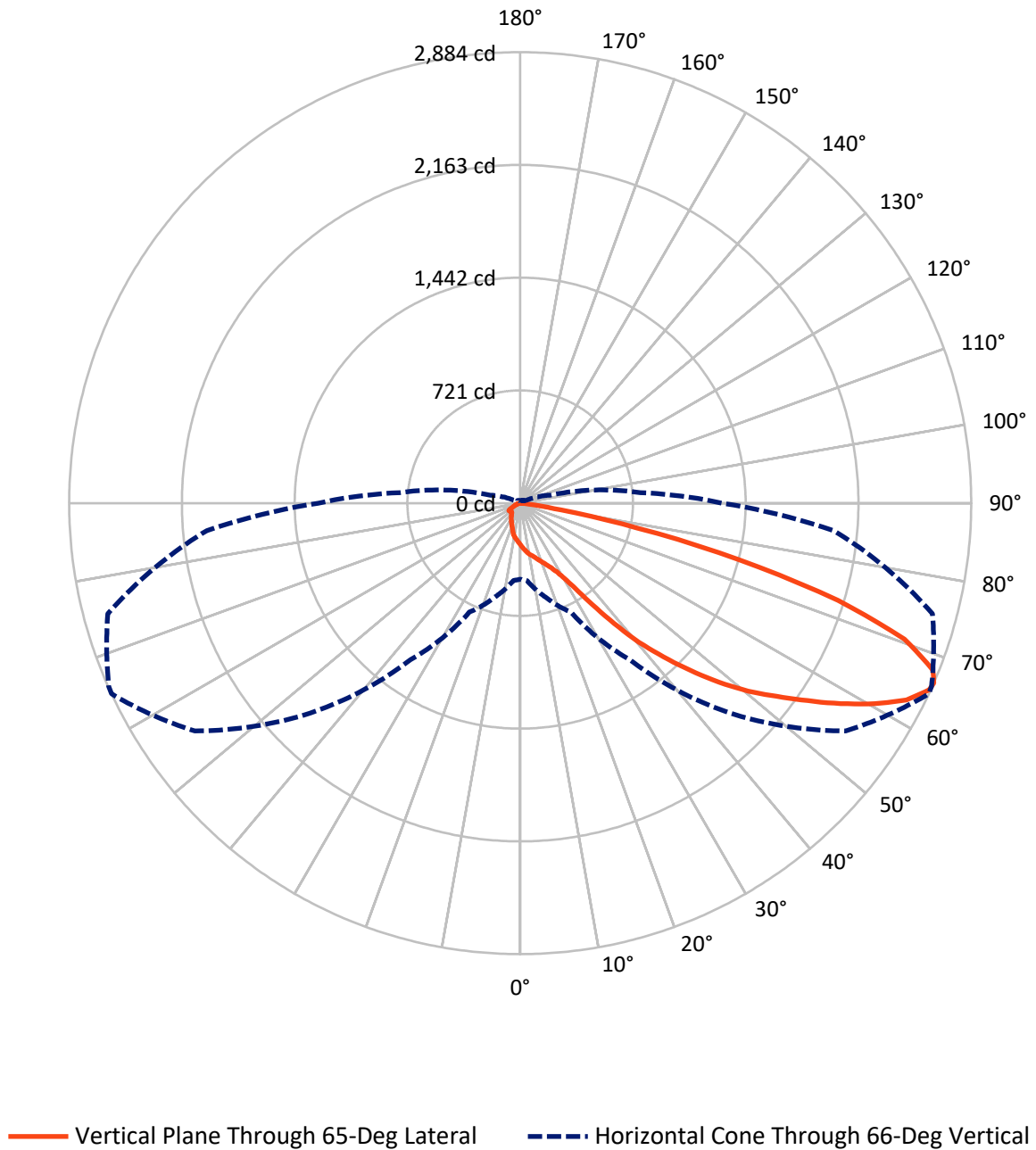
✕ Max cd
- - - 1/2 Max cd



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

REPORT NUMBER: P1209950
CATALOG NUMBER: ARCH1-30-730-U-T3RE-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P1209950

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	385.3	0.0	385.3
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	2879.6	0.0	2879.6
	% Fixture	88.2	0.0	88.2
Total	Lumens	3265.0	0.0	3265.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.2	0.8
10°-20°	74.7	2.3
20°-30°	136.6	4.2
30°-40°	277.6	8.5
40°-50°	586.3	18.0
50°-60°	901.3	27.6
60°-70°	907.3	27.8
70°-80°	339.0	10.4
80°-90°	16.9	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°	3265.0	100.0
0°-180°	3265.0	100.0

Coefficient of Utilization



REPORT NUMBER: P1209950

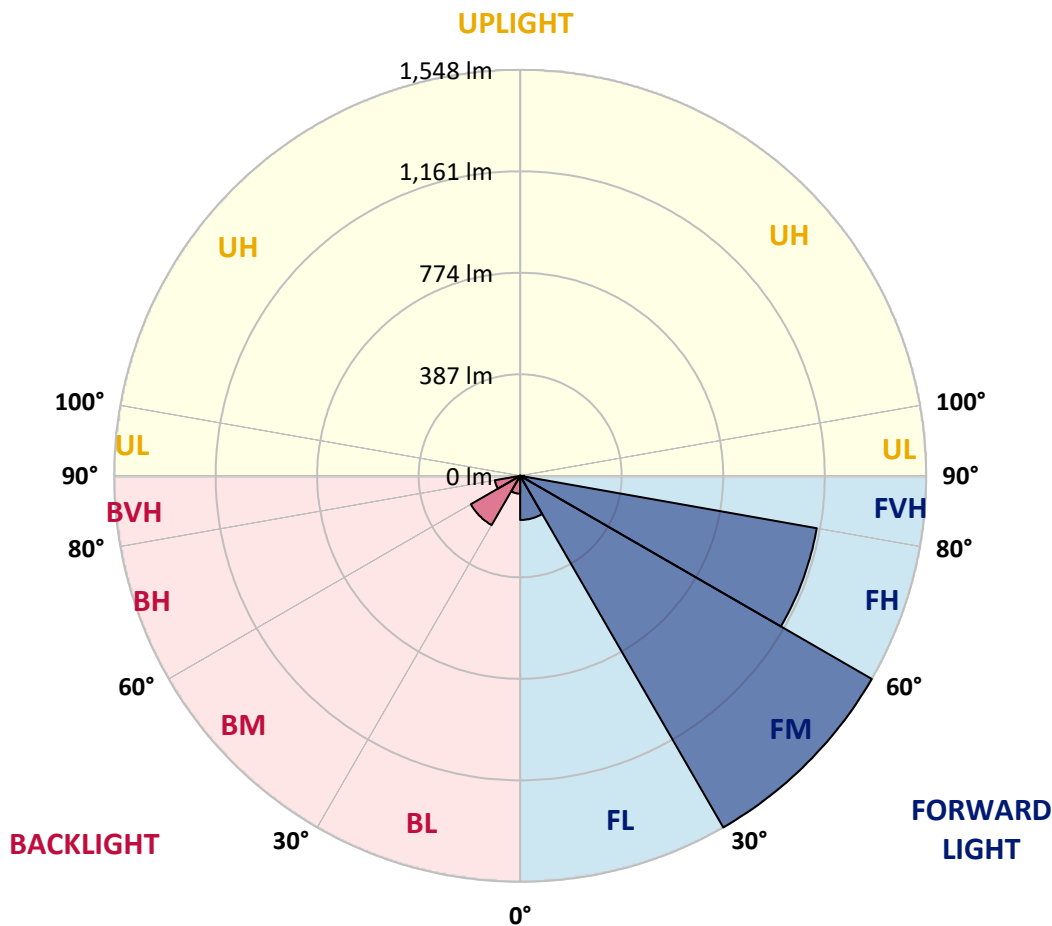
CATALOG NUMBER: ARCH1-30-730-U-T3RE-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	168.3	5.2			
FM	(30°-60°)	1548.0	47.4			
FH	(60°-80°)	1148.4	35.2			G1/1800
FVH	(80°-90°)	14.9	0.5			G1/100
BL	(0°-30°)	68.2	2.1	B0/110		
BM	(30°-60°)	217.3	6.7	B0/220		
BH	(60°-80°)	97.9	3.0	B0/110		G0/110
BVH	(80°-90°)	2.0	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 III Short



REPORT NUMBER: P1209950

CATALOG NUMBER: ARCH1-30-730-U-T3RE-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	266.0	266.0	266.0	266.0	266.0	266.0	266.0	266.0	266.0	266.0	266.0
2.5°	303.3	303.9	302.7	300.4	298.0	295.0	290.3	282.6	281.4	276.1	270.2
5°	324.1	325.2	323.5	322.9	321.7	317.5	311.0	299.8	298.6	287.9	274.3
7.5°	331.2	333.0	331.8	331.8	331.8	330.0	327.0	317.0	315.2	301.6	280.8
10°	336.5	337.7	337.1	339.5	341.2	340.1	338.3	332.4	330.6	317.0	289.7
12.5°	344.8	345.4	346.0	347.2	350.1	351.3	350.7	345.4	344.2	334.7	301.0
15°	352.5	352.5	353.1	358.4	362.6	364.9	365.5	361.4	360.2	352.5	315.2
17.5°	359.6	360.2	362.0	367.9	375.0	379.8	382.7	380.9	379.2	373.2	331.8
20°	370.3	371.5	373.2	381.5	388.6	396.3	402.3	401.7	401.1	396.9	351.3
22.5°	388.6	389.8	392.8	400.5	407.6	417.1	427.1	426.6	424.8	421.8	374.4
25°	416.5	416.5	418.3	424.8	433.7	444.9	454.4	456.2	454.4	452.6	403.5
27.5°	451.4	452.0	452.0	459.1	467.4	481.7	493.5	495.3	495.3	493.5	442.6
30°	500.0	498.2	497.1	503.0	511.9	532.6	553.3	556.9	555.1	558.1	497.6
32.5°	583.6	580.6	570.5	571.7	577.0	605.5	640.4	652.9	652.3	657.6	586.5
35°	699.1	693.2	678.3	665.9	665.3	696.1	749.4	796.2	795.6	814.0	721.6
37.5°	829.4	837.1	809.3	787.9	781.4	805.7	874.4	975.7	981.1	1013.1	898.7
40°	1003.6	1008.3	972.8	942.6	911.8	920.7	1011.3	1168.9	1178.4	1213.9	1075.9
42.5°	1155.3	1160.0	1139.3	1102.5	1063.4	1046.8	1149.3	1344.2	1351.9	1401.1	1258.3
45°	1258.3	1261.9	1269.0	1272.6	1228.1	1193.8	1318.2	1524.3	1533.8	1590.7	1436.7
47.5°	1338.9	1341.9	1356.1	1391.6	1382.8	1355.5	1490.0	1711.6	1713.9	1777.3	1610.3
50°	1376.2	1383.3	1418.3	1472.8	1511.9	1519.6	1676.6	1888.7	1895.2	1955.6	1774.4
52.5°	1334.8	1337.1	1425.4	1527.9	1606.7	1684.9	1863.8	2052.8	2071.8	2116.8	1921.9
55°	1195.0	1212.1	1346.0	1526.1	1681.3	1841.9	2064.1	2229.9	2247.1	2275.6	2051.6
57.5°	1032.6	1051.6	1214.5	1449.7	1713.3	1987.0	2249.5	2418.3	2430.2	2437.9	2170.7
60°	892.2	910.0	1077.6	1303.4	1681.3	2089.5	2421.9	2605.6	2615.6	2594.9	2230.5
62.5°	719.8	737.6	906.4	1109.6	1555.7	2110.3	2549.9	2772.0	2776.2	2719.9	2193.8
65°	542.7	554.5	695.5	869.7	1336.0	2000.1	2578.9	2875.7	2871.6	2756.0	2083.6
66°	486.4	496.5	620.9	769.0	1221.6	1899.4	2539.8	2884.0	2879.9	2729.4	2011.3
67.5°	419.4	422.4	524.9	629.2	1022.0	1685.5	2420.7	2846.1	2849.6	2655.9	1879.2
70°	327.6	327.0	386.3	437.8	697.9	1199.1	2019.0	2607.3	2624.5	2378.6	1602.6
72.5°	209.7	202.6	237.0	267.8	406.4	696.1	1472.2	2125.1	2154.1	1868.6	1193.8
75°	125.0	117.9	126.2	133.9	194.9	334.7	865.6	1446.1	1474.0	1197.9	710.3
77.5°	93.6	90.6	91.2	84.7	86.5	125.6	395.2	764.2	784.4	490.5	269.6
80°	71.7	64.0	59.8	62.8	56.9	49.8	146.9	263.0	275.5	116.1	56.3
82.5°	48.0	41.5	38.5	42.1	36.1	27.8	35.5	50.9	49.8	31.4	21.9
85°	24.9	21.3	21.3	21.3	18.4	13.6	15.4	20.7	20.7	16.6	13.0
87.5°	7.1	6.5	7.7	7.1	5.3	5.3	5.9	7.1	7.1	6.5	5.9
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: P1209950

CATALOG NUMBER: ARCH1-30-730-U-T3RE-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	266.0	266.0	266.0	266.0	266.0	266.0	266.0	266.0	266.0	266.0	266.0
2.5°	265.4	263.0	256.5	251.8	247.0	242.9	238.2	237.0	234.6	235.2	234.0
5°	267.2	260.7	249.4	238.8	230.5	223.3	214.5	210.9	206.2	204.4	203.2
7.5°	269.6	260.1	243.5	228.7	214.5	200.2	186.0	177.7	172.4	170.0	168.3
10°	274.9	262.5	240.5	217.4	193.1	173.0	158.8	152.8	149.3	148.7	148.1
12.5°	282.0	266.0	237.6	203.2	171.2	152.3	143.4	141.6	141.0	141.0	140.4
15°	292.7	271.9	232.8	186.6	154.0	141.0	136.9	133.9	132.7	132.7	132.7
17.5°	303.3	279.0	225.7	169.4	142.2	133.9	129.7	128.0	126.8	127.4	126.8
20°	317.0	287.3	216.2	154.6	134.5	128.0	123.8	122.0	121.5	121.5	121.5
22.5°	332.4	296.8	204.4	143.4	128.0	122.0	117.9	116.1	114.9	115.5	115.5
25°	353.1	308.7	192.0	132.1	121.5	116.1	111.4	109.0	109.0	109.6	110.2
27.5°	379.8	322.9	179.5	125.0	115.5	110.2	104.9	102.5	103.1	104.3	104.3
30°	418.9	342.4	167.1	117.3	109.0	103.1	98.3	96.0	97.2	99.5	99.5
32.5°	474.5	374.4	156.4	108.4	99.5	93.0	88.3	86.5	89.5	94.2	94.2
35°	574.1	433.1	149.9	99.5	89.5	81.8	75.8	74.1	78.2	84.1	84.1
37.5°	707.4	527.3	152.3	91.8	81.2	72.3	65.8	63.4	66.4	71.7	73.5
40°	856.1	641.0	173.0	85.3	73.5	64.6	58.1	55.7	57.5	59.8	60.4
42.5°	1004.8	761.9	212.1	80.6	67.5	58.1	52.1	50.4	51.5	52.1	52.7
45°	1152.9	881.6	261.3	77.6	62.2	52.7	46.8	46.8	47.4	47.4	47.4
47.5°	1293.3	998.3	312.8	77.0	57.5	47.4	42.7	43.2	43.2	43.8	43.8
50°	1426.0	1102.5	364.9	78.8	53.3	42.7	39.1	39.1	39.1	39.7	39.1
52.5°	1536.8	1193.8	419.4	81.8	49.2	39.1	35.5	35.5	35.5	36.1	35.5
55°	1641.7	1276.7	475.1	85.9	45.6	36.1	32.6	31.4	31.4	32.0	31.4
57.5°	1727.0	1331.8	527.9	86.5	42.7	33.2	30.2	28.4	28.4	28.4	28.4
60°	1730.5	1299.8	543.3	75.8	39.1	30.2	27.3	24.9	25.5	25.5	25.5
62.5°	1617.4	1131.6	436.6	56.9	35.0	27.3	24.9	22.5	22.5	22.5	22.5
65°	1395.2	880.4	255.9	45.0	30.2	24.3	21.9	20.1	20.1	20.1	19.6
66°	1290.9	771.9	196.1	40.9	28.4	23.7	21.3	19.6	19.0	18.4	18.4
67.5°	1120.9	610.2	122.6	36.1	26.1	21.9	19.6	17.8	17.2	16.6	16.6
70°	844.2	387.5	59.8	27.8	22.5	19.0	17.2	15.4	14.8	14.2	13.6
72.5°	592.4	226.9	31.4	21.3	18.4	16.6	14.8	13.0	12.4	11.8	11.8
75°	334.7	109.6	20.7	15.4	14.8	13.6	12.4	10.7	10.1	10.1	10.1
77.5°	126.8	37.9	14.2	11.3	11.8	10.7	8.9	8.9	8.3	8.9	8.3
80°	33.2	16.6	8.9	8.3	8.9	7.7	6.5	7.1	7.1	7.1	7.1
82.5°	17.8	9.5	5.3	5.9	5.3	5.3	4.1	4.7	5.3	4.7	5.3
85°	12.4	4.7	3.0	3.0	2.4	2.4	1.8	2.4	3.0	2.4	2.4
87.5°	6.5	1.8	1.8	1.8	1.8	1.2	0.6	0.0	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)