

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: P1211606

Luminaire Tested: **ARCH4-60-722-U-T3RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211606
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: ARCH4-60-722-U-T3RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 520mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE III
ROADWAY ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

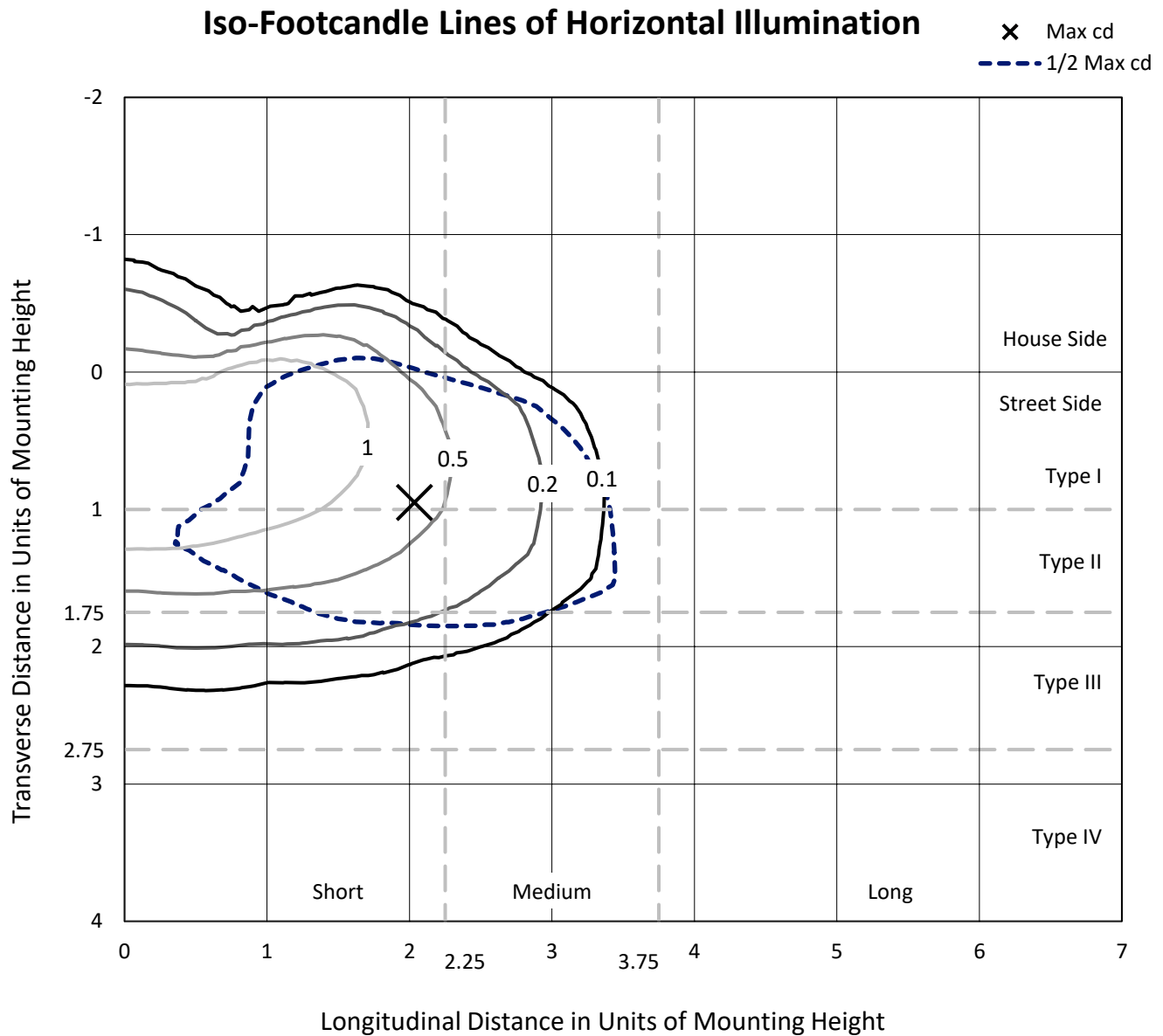
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6663 lumens
Efficiency: N/A
Efficacy: 105.8 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 0.58' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 63
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

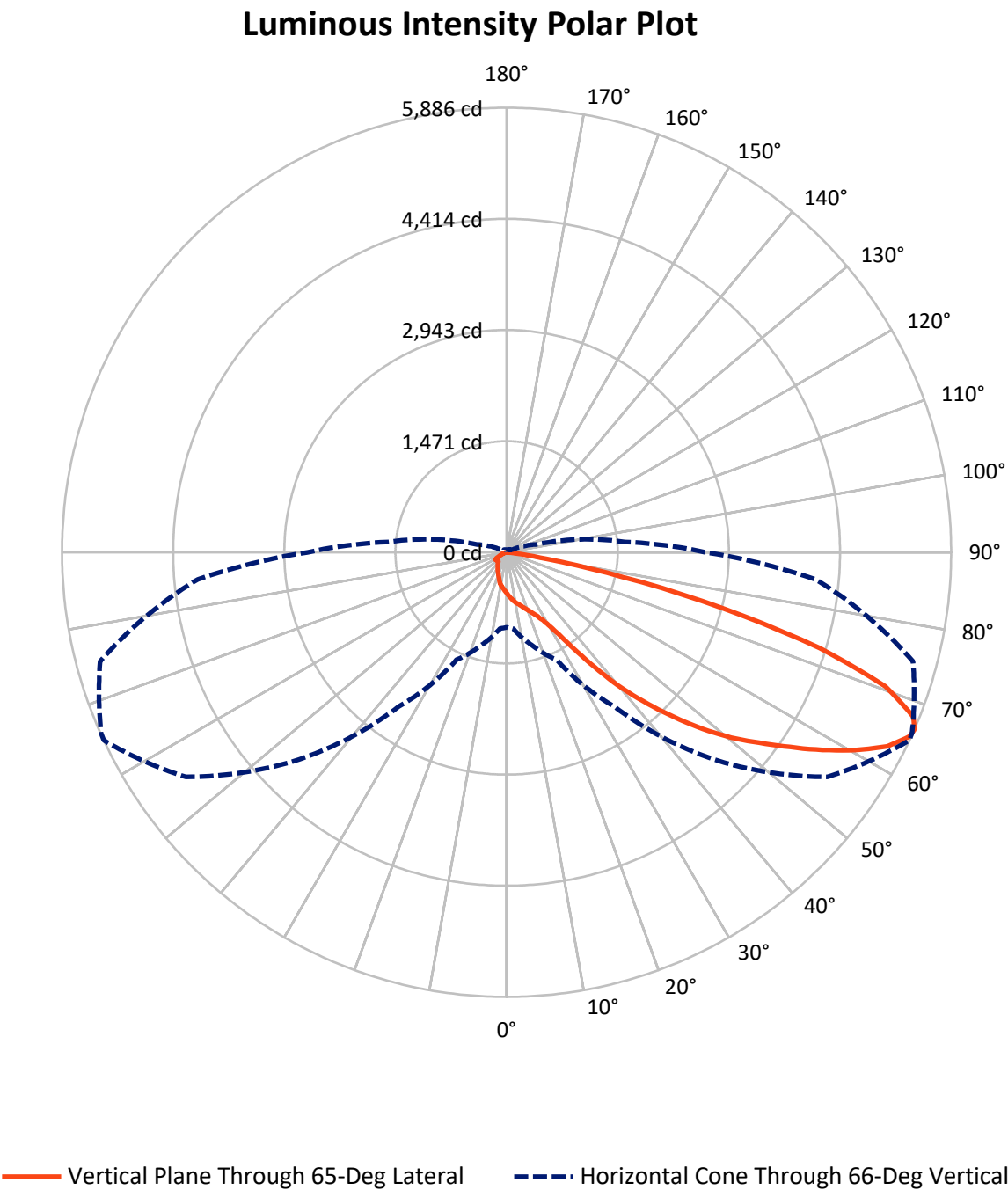


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Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
Type III - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	786.4	0.0	786.4
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	5876.6	0.0	5876.6
	% Fixture	88.2	0.0	88.2
Total	Lumens	6663.0	0.0	6663.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.5	0.8
10°-20°	152.3	2.3
20°-30°	278.8	4.2
30°-40°	566.6	8.5
40°-50°	1196.5	18.0
50°-60°	1839.4	27.6
60°-70°	1851.5	27.8
70°-80°	691.8	10.4
80°-90°	34.6	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°	6663.0	100.0
0°-180°	6663.0	100.0

Coefficient of Utilization



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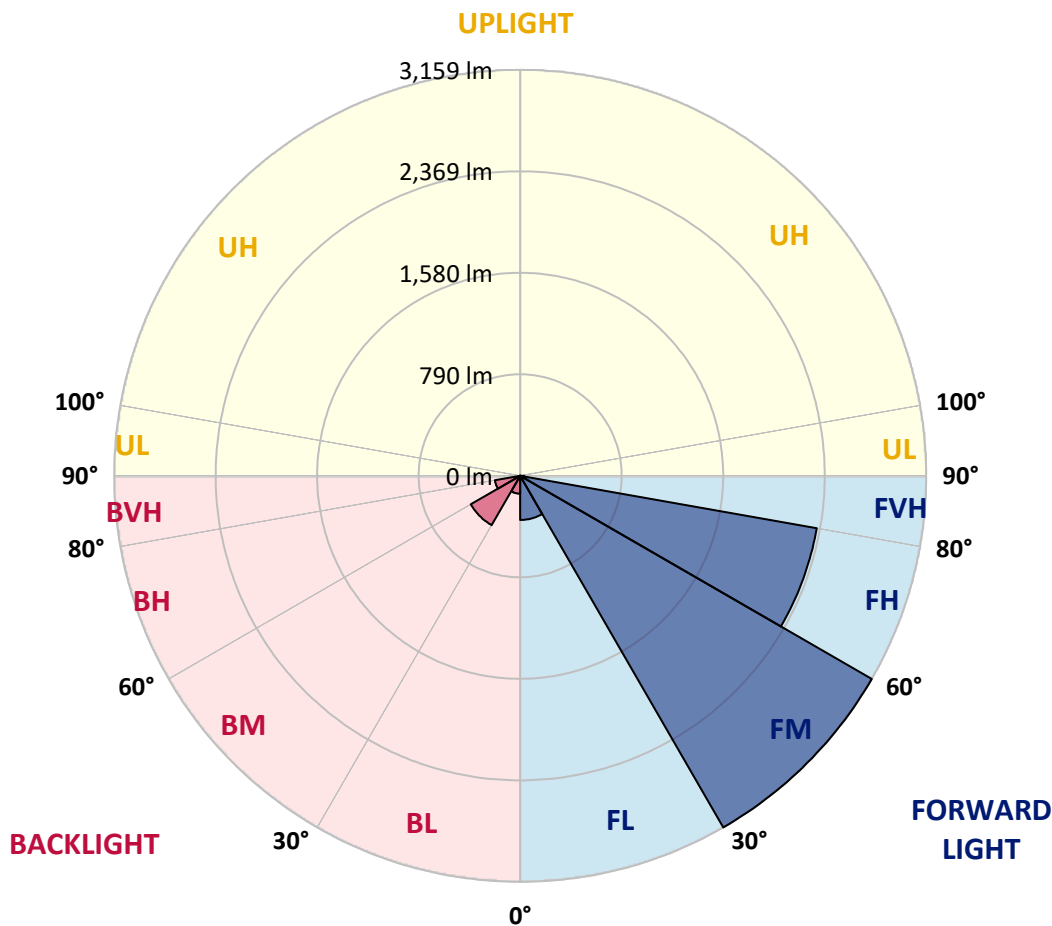
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	343.5	5.2			
FM	(30°-60°)	3159.1	47.4			
FH	(60°-80°)	2343.5	35.2			G2/5000
FVH	(80°-90°)	30.5	0.5			G1/100
BL	(0°-30°)	139.2	2.1	B1/500		
BM	(30°-60°)	443.4	6.7	B1/1000		
BH	(60°-80°)	199.8	3.0	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-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	542.8	542.8	542.8	542.8	542.8	542.8	542.8	542.8	542.8	542.8	542.8
2.5°	619.0	620.2	617.8	613.0	608.1	602.1	592.4	576.7	574.3	563.4	551.3
5°	661.3	663.7	660.1	658.9	656.5	648.0	634.7	611.8	609.3	587.6	559.8
7.5°	675.8	679.5	677.0	677.0	677.0	673.4	667.4	646.8	643.2	615.4	573.1
10°	686.7	689.1	687.9	692.8	696.4	694.0	690.3	678.3	674.6	646.8	591.2
12.5°	703.6	704.9	706.1	708.5	714.5	716.9	715.7	704.9	702.4	683.1	614.2
15°	719.4	719.4	720.6	731.5	739.9	744.8	746.0	737.5	735.1	719.4	643.2
17.5°	733.9	735.1	738.7	750.8	765.3	775.0	781.0	777.4	773.8	761.7	677.0
20°	755.6	758.1	761.7	778.6	793.1	808.8	820.9	819.7	818.5	810.0	716.9
22.5°	793.1	795.5	801.6	817.3	831.8	851.1	871.7	870.5	866.9	860.8	764.1
25°	849.9	849.9	853.6	866.9	885.0	908.0	927.3	930.9	927.3	923.7	823.3
27.5°	921.3	922.5	922.5	937.0	953.9	982.9	1007.1	1010.7	1010.7	1007.1	903.1
30°	1020.4	1016.8	1014.4	1026.5	1044.6	1086.9	1129.2	1136.5	1132.8	1138.9	1015.6
32.5°	1190.9	1184.8	1164.3	1166.7	1177.6	1235.6	1306.9	1332.3	1331.1	1342.0	1196.9
35°	1426.6	1414.5	1384.3	1358.9	1357.7	1420.6	1529.4	1624.9	1623.7	1661.2	1472.6
37.5°	1692.6	1708.3	1651.5	1608.0	1594.7	1644.3	1784.5	1991.2	2002.1	2067.4	1834.1
40°	2048.1	2057.7	1985.2	1923.5	1860.7	1878.8	2063.8	2385.4	2404.7	2477.3	2195.6
42.5°	2357.6	2367.2	2324.9	2250.0	2170.2	2136.3	2345.5	2743.3	2759.0	2859.3	2567.9
45°	2567.9	2575.2	2589.7	2597.0	2506.3	2436.2	2690.1	3110.8	3130.1	3246.2	2931.9
47.5°	2732.4	2738.4	2767.4	2840.0	2821.8	2766.2	3040.7	3492.8	3497.7	3627.0	3286.1
50°	2808.5	2823.0	2894.4	3005.6	3085.4	3101.1	3421.5	3854.3	3867.6	3991.0	3621.0
52.5°	2723.9	2728.7	2908.9	3118.0	3278.8	3438.4	3803.6	4189.2	4227.9	4319.8	3922.0
55°	2438.6	2473.6	2746.9	3114.4	3431.2	3758.8	4212.2	4550.7	4585.8	4643.8	4186.8
57.5°	2107.3	2146.0	2478.5	2958.5	3496.5	4055.0	4590.6	4935.2	4959.4	4975.1	4429.8
60°	1820.8	1857.0	2199.2	2659.8	3431.2	4264.2	4942.4	5317.2	5337.8	5295.5	4551.9
62.5°	1469.0	1505.2	1849.8	2264.5	3174.9	4306.5	5203.6	5657.0	5665.4	5550.6	4477.0
65°	1107.5	1131.6	1419.4	1774.8	2726.3	4081.6	5262.8	5868.6	5860.1	5624.3	4252.1
66°	992.6	1013.2	1267.0	1569.3	2493.0	3876.1	5183.0	5885.5	5877.0	5569.9	4104.6
67.5°	856.0	862.0	1071.2	1284.0	2085.5	3439.6	4940.0	5808.1	5815.4	5420.0	3835.0
70°	668.6	667.4	788.3	893.5	1424.2	2447.0	4120.3	5320.9	5355.9	4854.2	3270.4
72.5°	428.0	413.5	483.6	546.5	829.4	1420.6	3004.4	4336.7	4396.0	3813.2	2436.2
75°	255.1	240.6	257.5	273.2	397.8	683.1	1766.4	2951.2	3008.0	2444.6	1449.6
77.5°	191.0	185.0	186.2	172.9	176.5	256.3	806.4	1559.6	1600.7	1001.1	550.1
80°	146.3	130.6	122.1	128.2	116.1	101.6	299.8	536.8	562.2	237.0	114.9
82.5°	97.9	84.6	78.6	85.8	73.7	56.8	72.5	104.0	101.6	64.1	44.7
85°	50.8	43.5	43.5	43.5	37.5	27.8	31.4	42.3	42.3	33.9	26.6
87.5°	14.5	13.3	15.7	14.5	10.9	10.9	12.1	14.5	14.5	13.3	12.1
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°	542.8	542.8	542.8	542.8	542.8	542.8	542.8	542.8	542.8	542.8	542.8
2.5°	541.6	536.8	523.5	513.8	504.2	495.7	486.0	483.6	478.8	480.0	477.6
5°	545.3	532.0	509.0	487.2	470.3	455.8	437.7	430.4	420.7	417.1	414.7
7.5°	550.1	530.8	496.9	466.7	437.7	408.6	379.6	362.7	351.8	347.0	343.4
10°	561.0	535.6	490.9	443.7	394.1	353.0	324.0	311.9	304.7	303.5	302.3
12.5°	575.5	542.8	484.8	414.7	349.4	310.7	292.6	289.0	287.7	287.7	286.5
15°	597.3	554.9	475.1	380.8	314.3	287.7	279.3	273.2	270.8	270.8	270.8
17.5°	619.0	569.4	460.6	345.8	290.2	273.2	264.8	261.1	258.7	259.9	258.7
20°	646.8	586.4	441.3	315.6	274.4	261.1	252.7	249.1	247.8	247.8	247.8
22.5°	678.3	605.7	417.1	292.6	261.1	249.1	240.6	237.0	234.5	235.8	235.8
25°	720.6	629.9	391.7	269.6	247.8	237.0	227.3	222.5	222.5	223.7	224.9
27.5°	775.0	658.9	366.3	255.1	235.8	224.9	214.0	209.2	210.4	212.8	212.8
30°	854.8	698.8	340.9	239.4	222.5	210.4	200.7	195.9	198.3	203.1	203.1
32.5°	968.4	764.1	319.2	221.2	203.1	189.8	180.1	176.5	182.6	192.2	192.2
35°	1171.5	883.8	305.9	203.1	182.6	166.8	154.8	151.1	159.6	171.7	171.7
37.5°	1443.6	1076.0	310.7	187.4	165.6	147.5	134.2	129.4	135.4	146.3	149.9
40°	1747.0	1308.2	353.0	174.1	149.9	131.8	118.5	113.6	117.3	122.1	123.3
42.5°	2050.5	1554.8	432.8	164.4	137.8	118.5	106.4	102.8	105.2	106.4	107.6
45°	2352.7	1799.0	533.2	158.4	126.9	107.6	95.5	95.5	96.7	96.7	96.7
47.5°	2639.3	2037.2	638.4	157.2	117.3	96.7	87.0	88.3	88.3	89.5	89.5
50°	2910.1	2250.0	744.8	160.8	108.8	87.0	79.8	79.8	79.8	81.0	79.8
52.5°	3136.2	2436.2	856.0	166.8	100.3	79.8	72.5	72.5	72.5	73.7	72.5
55°	3350.2	2605.4	969.6	175.3	93.1	73.7	66.5	64.1	64.1	65.3	64.1
57.5°	3524.3	2717.9	1077.2	176.5	87.0	67.7	61.7	58.0	58.0	58.0	58.0
60°	3531.5	2652.6	1108.7	154.8	79.8	61.7	55.6	50.8	52.0	52.0	52.0
62.5°	3300.6	2309.2	891.0	116.1	71.3	55.6	50.8	45.9	45.9	45.9	45.9
65°	2847.2	1796.6	522.3	91.9	61.7	49.6	44.7	41.1	41.1	41.1	39.9
66°	2634.4	1575.3	400.2	83.4	58.0	48.4	43.5	39.9	38.7	37.5	37.5
67.5°	2287.5	1245.3	250.3	73.7	53.2	44.7	39.9	36.3	35.1	33.9	33.9
70°	1722.8	790.7	122.1	56.8	45.9	38.7	35.1	31.4	30.2	29.0	27.8
72.5°	1209.0	463.1	64.1	43.5	37.5	33.9	30.2	26.6	25.4	24.2	24.2
75°	683.1	223.7	42.3	31.4	30.2	27.8	25.4	21.8	20.6	20.6	20.6
77.5°	258.7	77.4	29.0	23.0	24.2	21.8	18.1	18.1	16.9	18.1	16.9
80°	67.7	33.9	18.1	16.9	18.1	15.7	13.3	14.5	14.5	14.5	14.5
82.5°	36.3	19.3	10.9	12.1	10.9	10.9	8.5	9.7	10.9	9.7	10.9
85°	25.4	9.7	6.0	6.0	4.8	4.8	3.6	4.8	6.0	4.8	4.8
87.5°	13.3	3.6	3.6	3.6	3.6	2.4	1.2	0.0	1.2	1.2	1.2
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)