

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: P1210762

Luminaire Tested: **ARCH3-60-750-U-T3RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210762
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: ARCH3-60-750-U-T3RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 5000K, 505mA LIGHTSQUARE WITH 40 LEDS AND TYPE III ROADWAY
ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7525 lumens
Efficiency: N/A
Efficacy: 119.1 lumens/watt
Luminous Opening: Rectangular (W 0.58' x L: 0.58' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 63.2
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

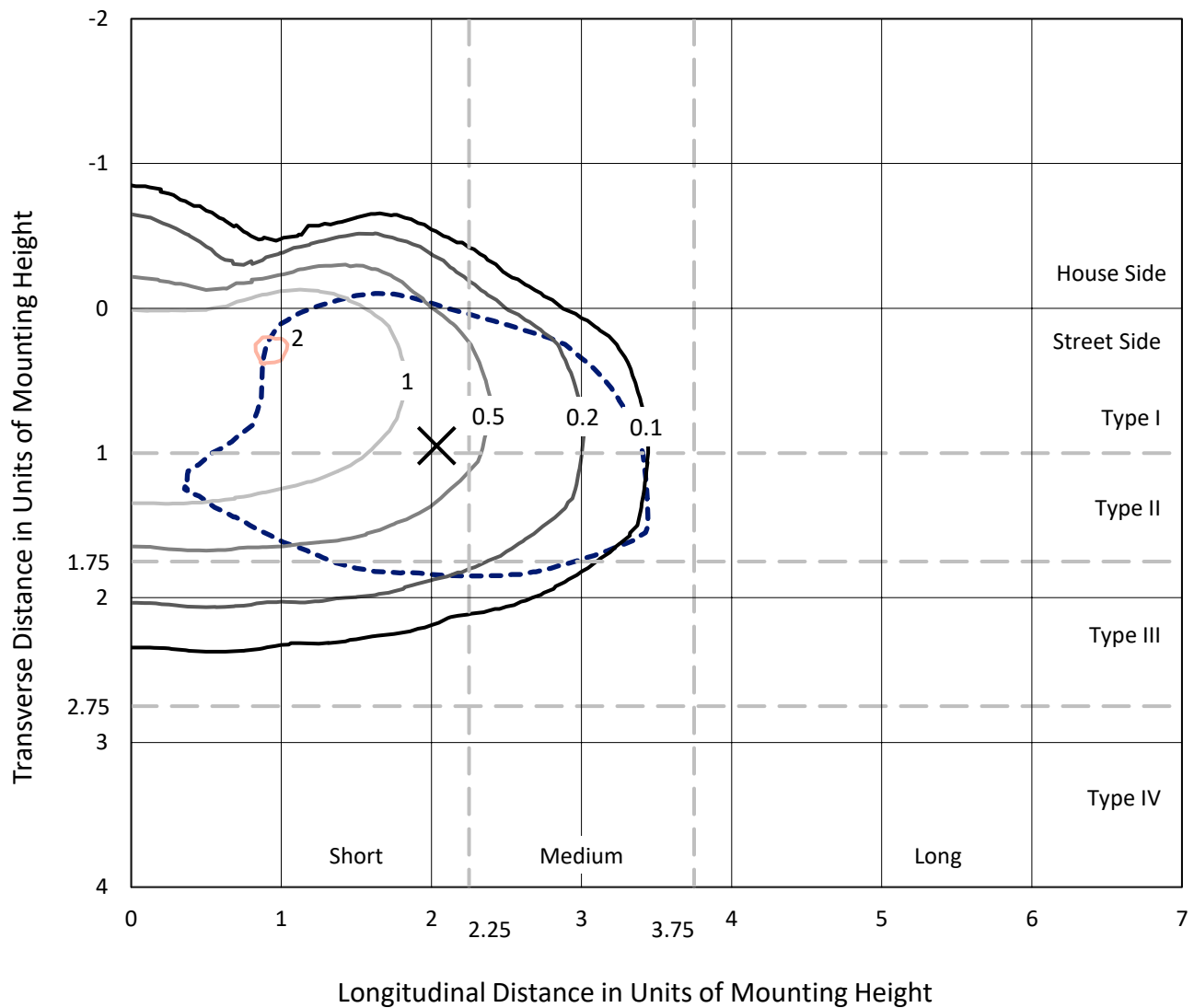


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Iso-Footcandle Lines of Horizontal Illumination

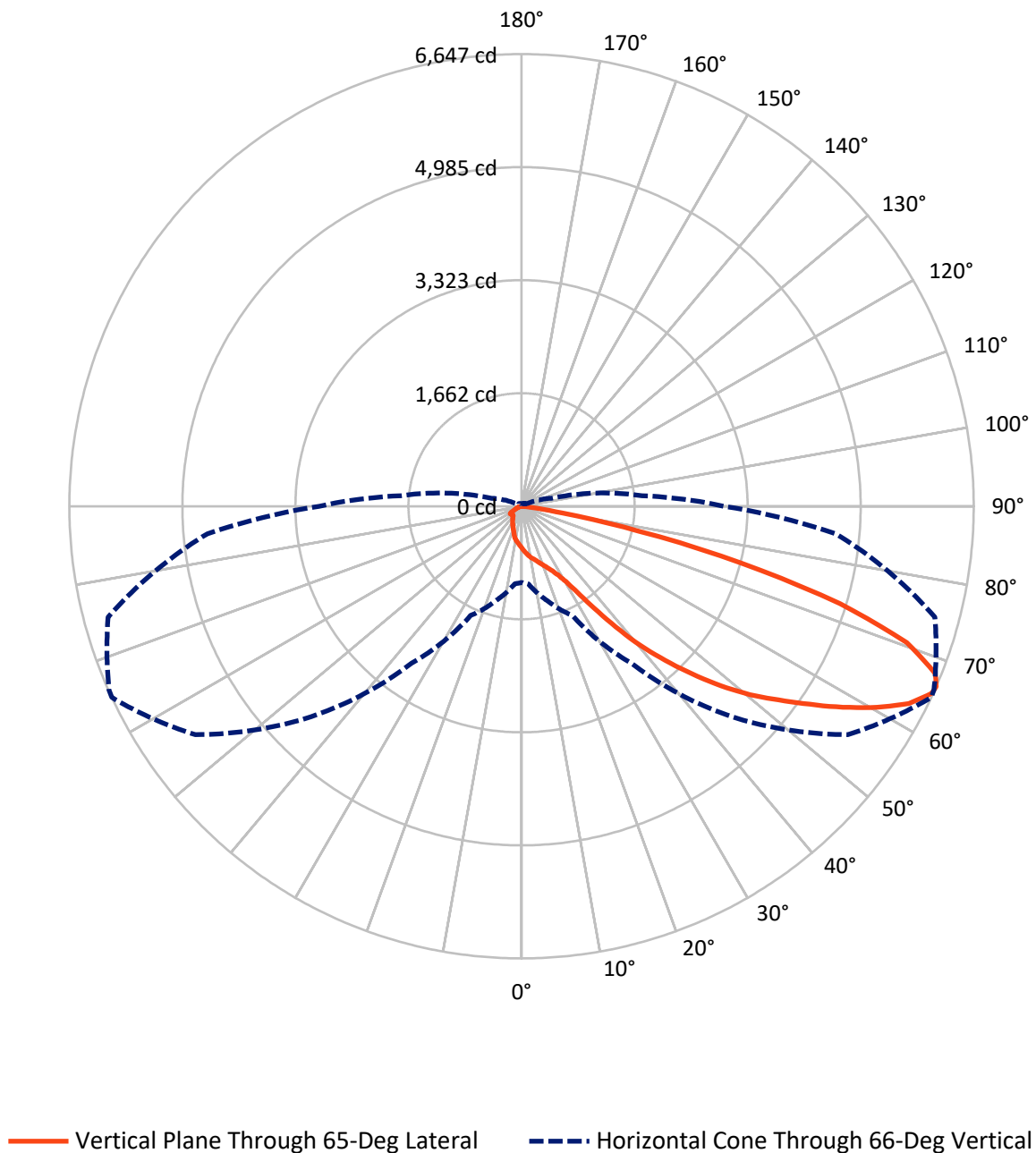
× Max cd
--- 1/2 Max cd



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

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	888.1	0.0	888.1
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	6636.9	0.0	6636.9
	% Fixture	88.2	0.0	88.2
Total	Lumens	7525.0	0.0	7525.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.1	0.8
10°-20°	172.1	2.3
20°-30°	314.9	4.2
30°-40°	639.9	8.5
40°-50°	1351.3	18.0
50°-60°	2077.4	27.6
60°-70°	2091.0	27.8
70°-80°	781.3	10.4
80°-90°	39.0	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°	7525.0	100.0
0°-180°	7525.0	100.0

Coefficient of Utilization



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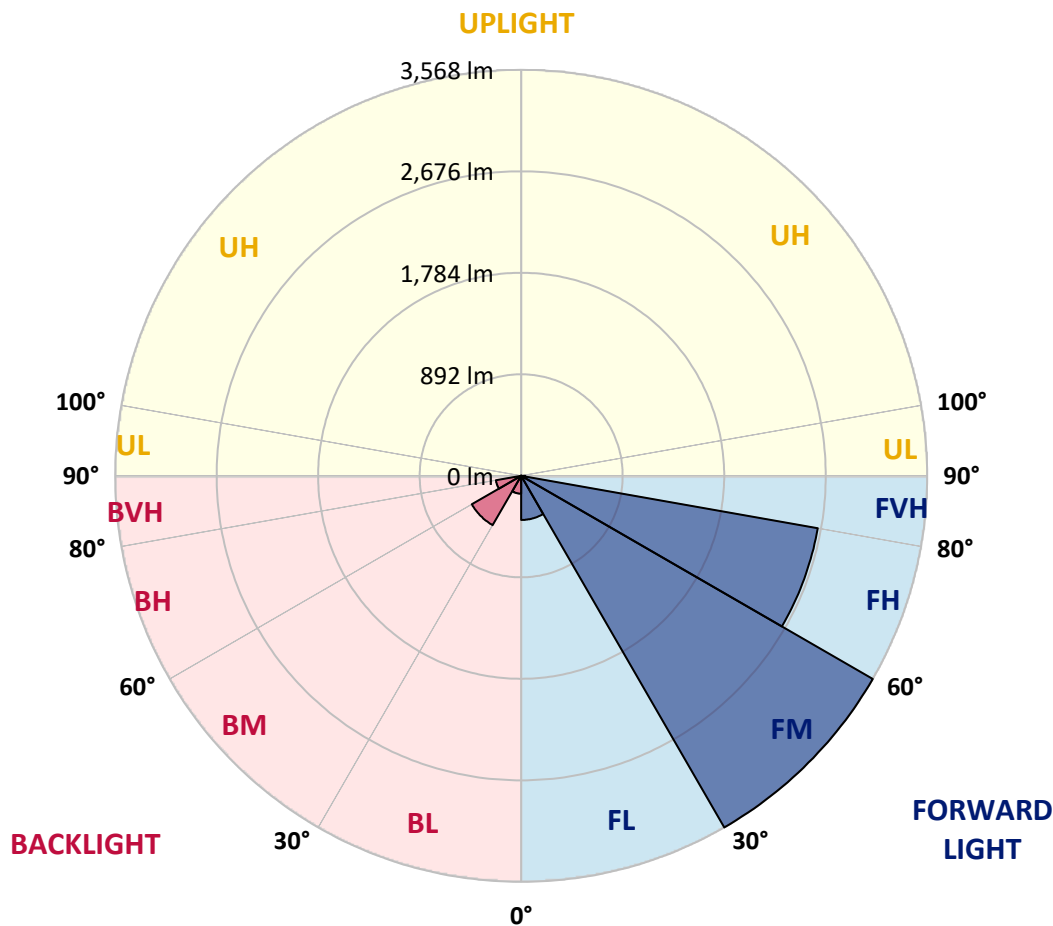
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	387.9	5.2			
FM	(30°-60°)	3567.8	47.4			
FH	(60°-80°)	2646.7	35.2			G2/5000
FVH	(80°-90°)	34.4	0.5			G1/100
BL	(0°-30°)	157.2	2.1	B1/500		
BM	(30°-60°)	500.7	6.7	B1/1000		
BH	(60°-80°)	225.6	3.0	B1/500		G1/500
BVH	(80°-90°)	4.6	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°	613.1	613.1	613.1	613.1	613.1	613.1	613.1	613.1	613.1	613.1	613.1
2.5°	699.1	700.5	697.7	692.3	686.8	680.0	669.1	651.3	648.6	636.3	622.6
5°	746.9	749.6	745.5	744.2	741.4	731.9	716.8	690.9	688.2	663.6	632.2
7.5°	763.3	767.4	764.6	764.6	764.6	760.5	753.7	730.5	726.4	695.0	647.2
10°	775.6	778.3	776.9	782.4	786.5	783.8	779.7	766.0	761.9	730.5	667.7
12.5°	794.7	796.0	797.4	800.1	807.0	809.7	808.3	796.0	793.3	771.5	693.6
15°	812.4	812.4	813.8	826.1	835.6	841.1	842.5	832.9	830.2	812.4	726.4
17.5°	828.8	830.2	834.3	847.9	864.3	875.2	882.1	878.0	873.9	860.2	764.6
20°	853.4	856.1	860.2	879.3	895.7	913.5	927.1	925.8	924.4	914.8	809.7
22.5°	895.7	898.4	905.3	923.0	939.4	961.3	984.5	983.1	979.0	972.2	862.9
25°	959.9	959.9	964.0	979.0	999.5	1025.4	1047.3	1051.4	1047.3	1043.2	929.9
27.5°	1040.5	1041.8	1041.8	1058.2	1077.3	1110.1	1137.4	1141.5	1141.5	1137.4	1020.0
30°	1152.4	1148.3	1145.6	1159.2	1179.7	1227.5	1275.3	1283.5	1279.4	1286.2	1147.0
32.5°	1344.9	1338.1	1314.9	1317.6	1329.9	1395.5	1476.0	1504.7	1503.3	1515.6	1351.8
35°	1611.2	1597.5	1563.4	1534.7	1533.4	1604.4	1727.3	1835.1	1833.8	1876.1	1663.1
37.5°	1911.6	1929.3	1865.2	1816.0	1801.0	1857.0	2015.4	2248.9	2261.1	2334.9	2071.3
40°	2313.0	2324.0	2242.0	2172.4	2101.4	2121.9	2330.8	2694.0	2715.8	2797.8	2479.6
42.5°	2662.6	2673.5	2625.7	2541.1	2450.9	2412.7	2648.9	3098.1	3115.9	3229.2	2900.2
45°	2900.2	2908.4	2924.7	2932.9	2830.5	2751.3	3038.1	3513.2	3535.1	3666.2	3311.2
47.5°	3085.9	3092.7	3125.5	3207.4	3186.9	3124.1	3434.0	3944.7	3950.2	4096.3	3711.2
50°	3171.9	3188.3	3268.8	3394.4	3484.6	3502.3	3864.2	4353.0	4368.0	4507.3	4089.4
52.5°	3076.3	3081.8	3285.2	3521.4	3703.0	3883.3	4295.6	4731.2	4774.9	4878.7	4429.4
55°	2754.1	2793.7	3102.2	3517.3	3875.1	4245.1	4757.1	5139.5	5179.1	5244.6	4728.5
57.5°	2379.9	2423.6	2799.1	3341.2	3948.8	4579.6	5184.5	5573.7	5601.0	5618.7	5002.9
60°	2056.3	2097.3	2483.7	3003.9	3875.1	4815.9	5581.9	6005.1	6028.4	5980.6	5140.8
62.5°	1659.0	1700.0	2089.1	2557.4	3585.6	4863.6	5876.8	6388.8	6398.4	6268.7	5056.2
65°	1250.7	1278.0	1603.0	2004.4	3079.0	4609.7	5943.7	6627.8	6618.2	6352.0	4802.2
66°	1121.0	1144.2	1431.0	1772.3	2815.5	4377.6	5853.6	6646.9	6637.3	6290.5	4635.6
67.5°	966.7	973.5	1209.8	1450.1	2355.4	3884.6	5579.1	6559.5	6567.7	6121.2	4331.1
70°	755.1	753.7	890.3	1009.0	1608.5	2763.6	4653.4	6009.2	6048.8	5482.2	3693.5
72.5°	483.4	467.0	546.2	617.2	936.7	1604.4	3393.1	4897.8	4964.7	4306.6	2751.3
75°	288.1	271.7	290.8	308.6	449.2	771.5	1994.9	3333.0	3397.2	2760.9	1637.1
77.5°	215.7	208.9	210.3	195.3	199.4	289.5	910.7	1761.4	1807.8	1130.6	621.3
80°	165.2	147.5	137.9	144.7	131.1	114.7	338.6	606.2	634.9	267.6	129.7
82.5°	110.6	95.6	88.8	96.9	83.3	64.2	81.9	117.4	114.7	72.4	50.5
85°	57.3	49.2	49.2	49.2	42.3	31.4	35.5	47.8	47.8	38.2	30.0
87.5°	16.4	15.0	17.8	16.4	12.3	12.3	13.7	16.4	16.4	15.0	13.7
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°	613.1	613.1	613.1	613.1	613.1	613.1	613.1	613.1	613.1	613.1	613.1
2.5°	611.7	606.2	591.2	580.3	569.4	559.8	548.9	546.2	540.7	542.1	539.3
5°	615.8	600.8	574.8	550.3	531.2	514.8	494.3	486.1	475.2	471.1	468.3
7.5°	621.3	599.4	561.2	527.1	494.3	461.5	428.7	409.6	397.3	391.9	387.8
10°	633.6	604.9	554.4	501.1	445.1	398.7	365.9	352.3	344.1	342.7	341.4
12.5°	649.9	613.1	547.5	468.3	394.6	350.9	330.4	326.3	325.0	325.0	323.6
15°	674.5	626.7	536.6	430.1	355.0	325.0	315.4	308.6	305.9	305.9	305.9
17.5°	699.1	643.1	520.2	390.5	327.7	308.6	299.0	294.9	292.2	293.6	292.2
20°	730.5	662.2	498.4	356.4	310.0	294.9	285.4	281.3	279.9	279.9	279.9
22.5°	766.0	684.1	471.1	330.4	294.9	281.3	271.7	267.6	264.9	266.3	266.3
25°	813.8	711.4	442.4	304.5	279.9	267.6	256.7	251.2	251.2	252.6	254.0
27.5°	875.2	744.2	413.7	288.1	266.3	254.0	241.7	236.2	237.6	240.3	240.3
30°	965.4	789.2	385.0	270.4	251.2	237.6	226.7	221.2	223.9	229.4	229.4
32.5°	1093.7	862.9	360.5	249.9	229.4	214.4	203.4	199.4	206.2	217.1	217.1
35°	1323.1	998.1	345.5	229.4	206.2	188.4	174.8	170.7	180.2	193.9	193.9
37.5°	1630.3	1215.2	350.9	211.6	187.1	166.6	151.6	146.1	152.9	165.2	169.3
40°	1973.0	1477.4	398.7	196.6	169.3	148.8	133.8	128.3	132.4	137.9	139.3
42.5°	2315.8	1755.9	488.8	185.7	155.7	133.8	120.2	116.1	118.8	120.2	121.5
45°	2657.1	2031.8	602.2	178.9	143.4	121.5	107.9	107.9	109.2	109.2	109.2
47.5°	2980.7	2300.7	720.9	177.5	132.4	109.2	98.3	99.7	99.7	101.0	101.0
50°	3286.6	2541.1	841.1	181.6	122.9	98.3	90.1	90.1	90.1	91.5	90.1
52.5°	3541.9	2751.3	966.7	188.4	113.3	90.1	81.9	81.9	81.9	83.3	81.9
55°	3783.6	2942.5	1095.1	198.0	105.1	83.3	75.1	72.4	72.4	73.7	72.4
57.5°	3980.2	3069.5	1216.6	199.4	98.3	76.5	69.6	65.5	65.5	65.5	65.5
60°	3988.4	2995.7	1252.1	174.8	90.1	69.6	62.8	57.3	58.7	58.7	58.7
62.5°	3727.6	2608.0	1006.3	131.1	80.6	62.8	57.3	51.9	51.9	51.9	51.9
65°	3215.6	2029.0	589.9	103.8	69.6	56.0	50.5	46.4	46.4	46.4	45.1
66°	2975.3	1779.1	452.0	94.2	65.5	54.6	49.2	45.1	43.7	42.3	42.3
67.5°	2583.4	1406.4	282.6	83.3	60.1	50.5	45.1	41.0	39.6	38.2	38.2
70°	1945.7	893.0	137.9	64.2	51.9	43.7	39.6	35.5	34.1	32.8	31.4
72.5°	1365.4	523.0	72.4	49.2	42.3	38.2	34.1	30.0	28.7	27.3	27.3
75°	771.5	252.6	47.8	35.5	34.1	31.4	28.7	24.6	23.2	23.2	23.2
77.5°	292.2	87.4	32.8	25.9	27.3	24.6	20.5	20.5	19.1	20.5	19.1
80°	76.5	38.2	20.5	19.1	20.5	17.8	15.0	16.4	16.4	16.4	16.4
82.5°	41.0	21.8	12.3	13.7	12.3	12.3	9.6	10.9	12.3	10.9	12.3
85°	28.7	10.9	6.8	6.8	5.5	5.5	4.1	5.5	6.8	5.5	5.5
87.5°	15.0	4.1	4.1	4.1	4.1	2.7	1.4	0.0	1.4	1.4	1.4
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)