

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: P1210270

Luminaire Tested: **ARCH2-70-730-U-T3RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210270
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: ARCH2-70-730-U-T3RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 555mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE III
ROADWAY ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

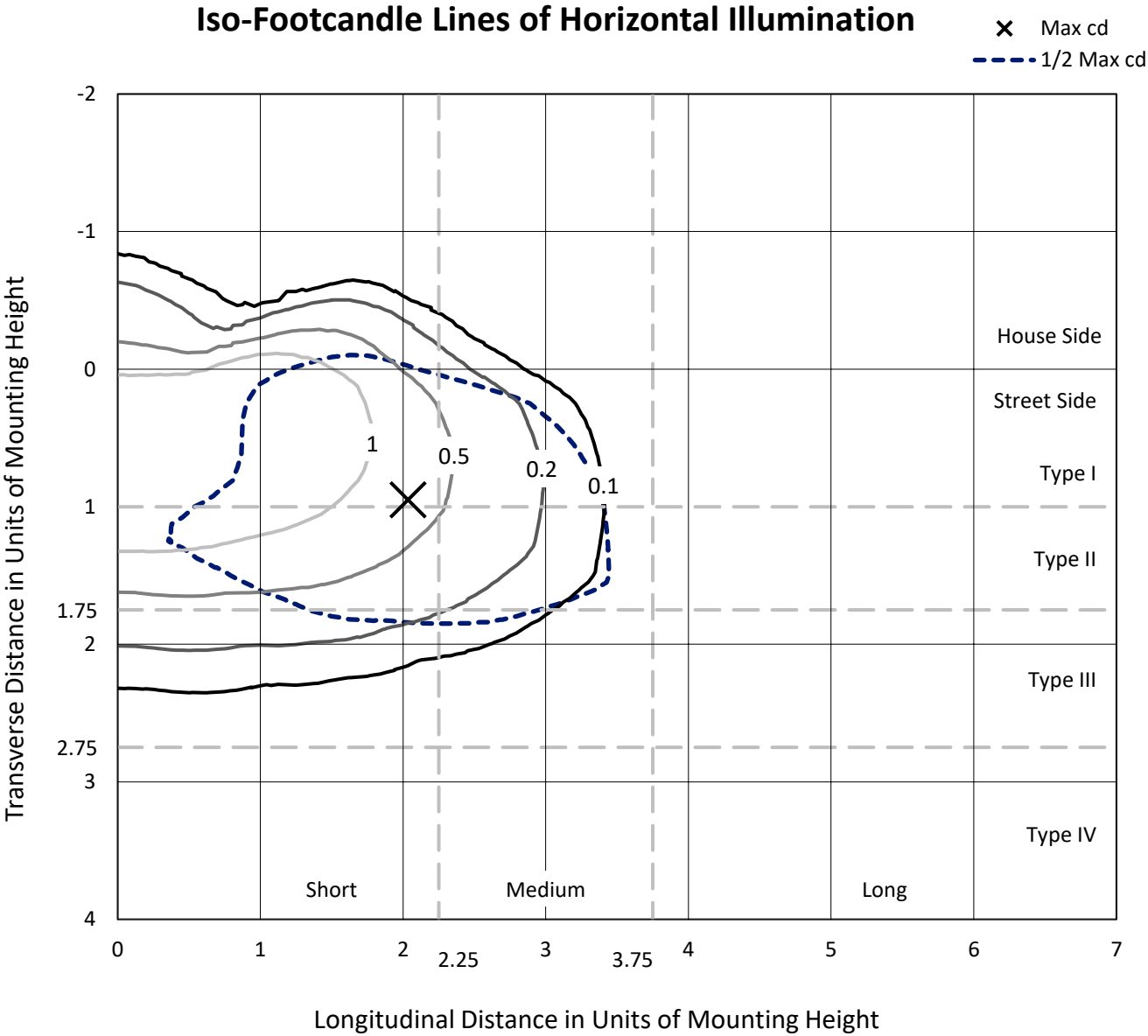
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7162 lumens
Efficiency: N/A
Efficacy: 97.3 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 73.6
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



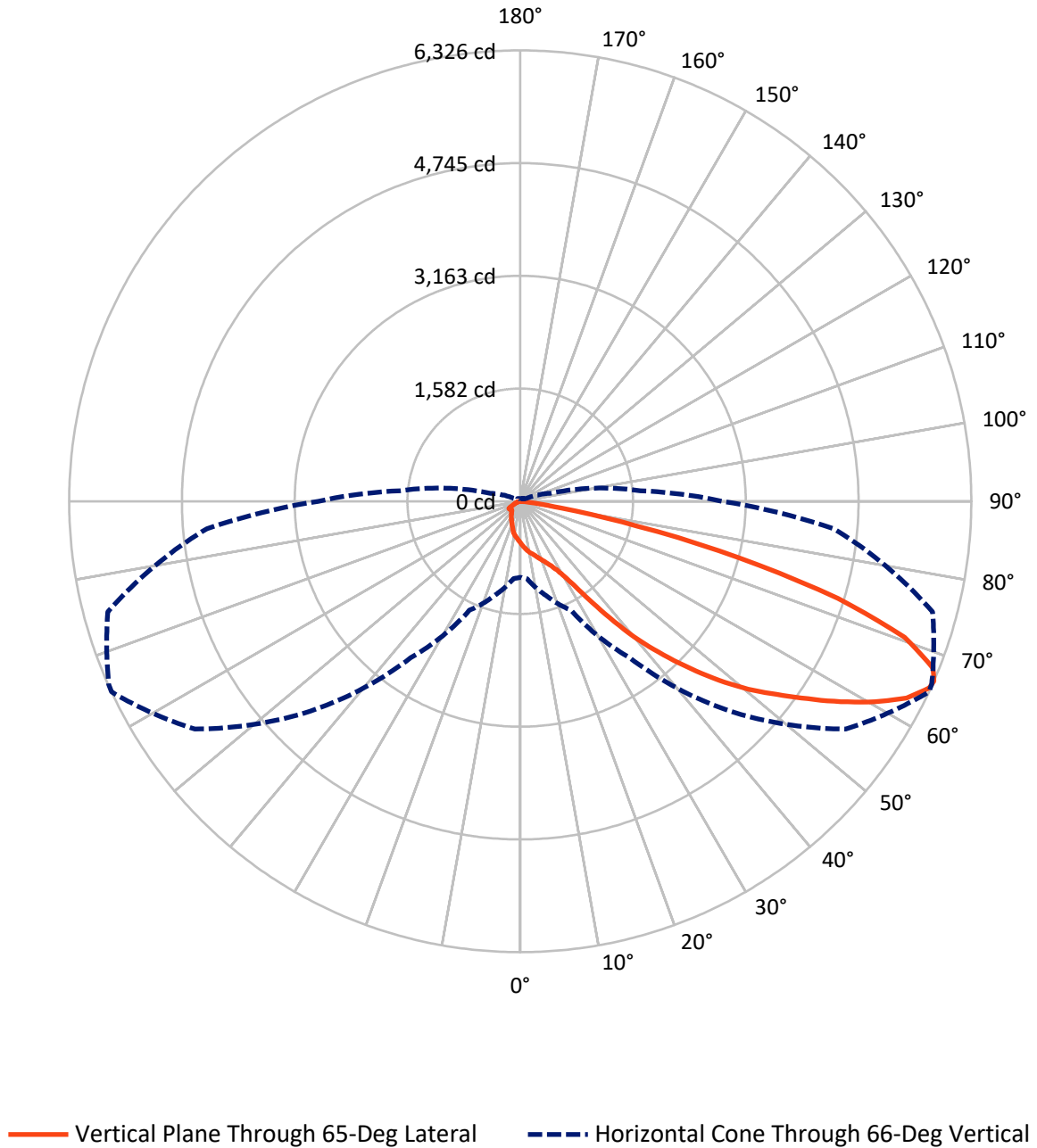
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Based on 25 foot mounting height. Maximum calculated value = 2 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	845.3	0.0	845.3
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	6316.7	0.0	6316.7
	% Fixture	88.2	0.0	88.2
Total	Lumens	7162.0	0.0	7162.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.3	0.8
10°-20°	163.8	2.3
20°-30°	299.7	4.2
30°-40°	609.0	8.5
40°-50°	1286.1	18.0
50°-60°	1977.2	27.6
60°-70°	1990.2	27.8
70°-80°	743.6	10.4
80°-90°	37.2	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°	7162.0	100.0
0°-180°	7162.0	100.0

Coefficient of Utilization



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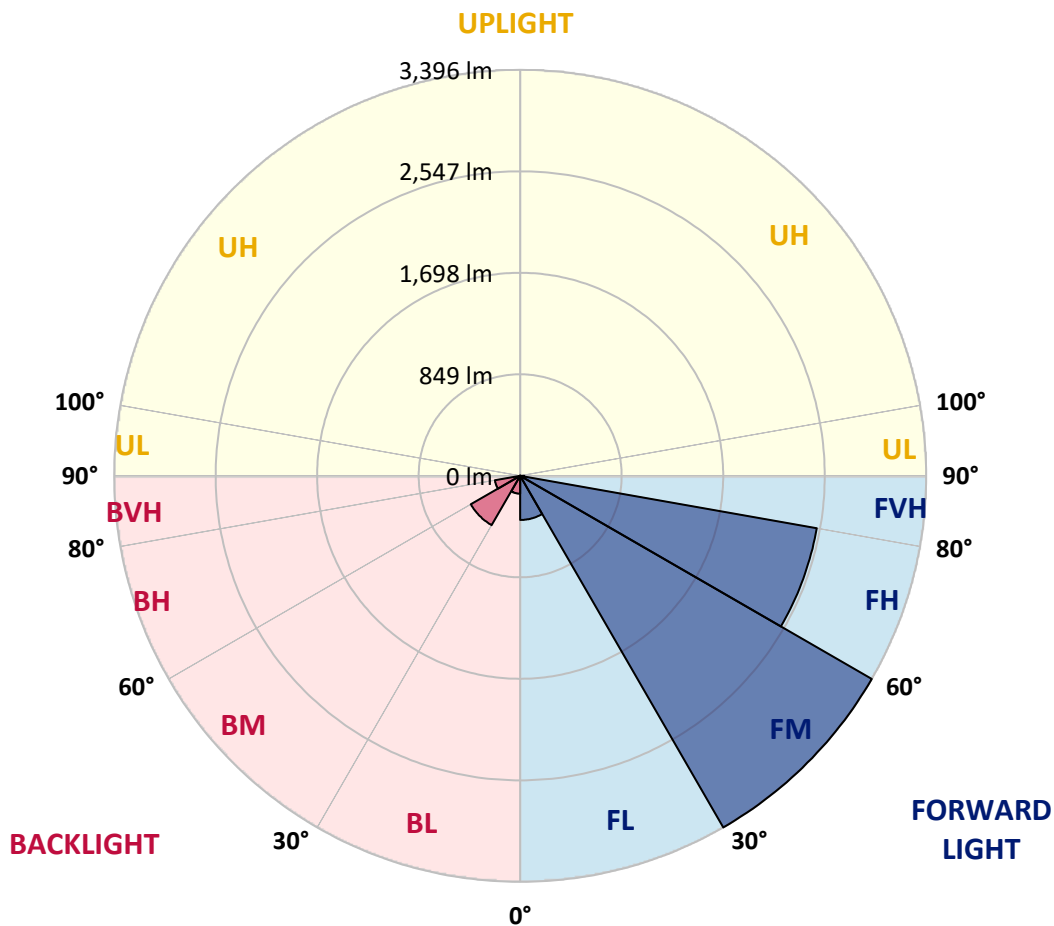
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	369.2	5.2			
FM	(30°-60°)	3395.7	47.4			
FH	(60°-80°)	2519.0	35.2			G2/5000
FVH	(80°-90°)	32.8	0.5			G1/100
BL	(0°-30°)	149.6	2.1	B1/500		
BM	(30°-60°)	476.6	6.7	B1/1000		
BH	(60°-80°)	214.7	3.0	B1/500		G1/500
BVH	(80°-90°)	4.4	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°	583.5	583.5	583.5	583.5	583.5	583.5	583.5	583.5	583.5	583.5	583.5
2.5°	665.4	666.7	664.1	658.9	653.7	647.2	636.8	619.9	617.3	605.6	592.6
5°	710.9	713.5	709.6	708.3	705.7	696.6	682.3	657.6	655.0	631.6	601.7
7.5°	726.5	730.4	727.8	727.8	727.8	723.9	717.4	695.3	691.4	661.5	616.0
10°	738.1	740.7	739.4	744.6	748.5	745.9	742.0	729.1	725.2	695.3	635.5
12.5°	756.3	757.6	758.9	761.5	768.0	770.6	769.3	757.6	755.0	734.3	660.2
15°	773.2	773.2	774.5	786.2	795.3	800.5	801.8	792.7	790.1	773.2	691.4
17.5°	788.8	790.1	794.0	807.0	822.6	833.0	839.5	835.6	831.7	818.7	727.8
20°	812.2	814.8	818.7	836.9	852.5	869.4	882.4	881.1	879.8	870.7	770.6
22.5°	852.5	855.1	861.6	878.5	894.1	914.9	937.0	935.7	931.8	925.3	821.3
25°	913.6	913.6	917.5	931.8	951.3	976.0	996.8	1000.7	996.8	992.9	885.0
27.5°	990.3	991.6	991.6	1007.2	1025.4	1056.5	1082.5	1086.4	1086.4	1082.5	970.8
30°	1096.8	1092.9	1090.3	1103.3	1122.8	1168.3	1213.8	1221.6	1217.7	1224.2	1091.6
32.5°	1280.1	1273.6	1251.5	1254.1	1265.8	1328.1	1404.8	1432.1	1430.8	1442.5	1286.6
35°	1533.5	1520.5	1488.0	1460.7	1459.4	1527.0	1643.9	1746.6	1745.3	1785.6	1582.9
37.5°	1819.4	1836.3	1775.2	1728.4	1714.1	1767.4	1918.1	2140.4	2152.1	2222.2	1971.4
40°	2201.5	2211.8	2133.9	2067.6	2000.0	2019.5	2218.3	2564.0	2584.8	2662.8	2360.0
42.5°	2534.1	2544.5	2499.0	2418.5	2332.7	2296.3	2521.1	2948.7	2965.6	3073.5	2760.3
45°	2760.3	2768.1	2783.7	2791.5	2694.0	2618.6	2891.5	3343.8	3364.6	3489.3	3151.4
47.5°	2937.0	2943.5	2974.7	3052.7	3033.2	2973.4	3268.4	3754.4	3759.6	3898.7	3532.2
50°	3018.9	3034.5	3111.1	3230.7	3316.5	3333.4	3677.7	4143.0	4157.3	4289.8	3892.2
52.5°	2927.9	2933.1	3126.7	3351.6	3524.4	3695.9	4088.4	4503.0	4544.6	4643.3	4215.8
55°	2621.2	2658.9	2952.6	3347.7	3688.1	4040.3	4527.7	4891.5	4929.2	4991.6	4500.4
57.5°	2265.1	2306.7	2664.1	3180.0	3758.3	4358.7	4934.4	5304.8	5330.8	5347.7	4761.6
60°	1957.1	1996.1	2363.9	2859.0	3688.1	4583.5	5312.6	5715.5	5737.5	5692.1	4892.8
62.5°	1579.0	1617.9	1988.3	2434.1	3412.6	4629.0	5593.3	6080.6	6089.7	5966.3	4812.3
65°	1190.4	1216.4	1525.7	1907.8	2930.5	4387.3	5657.0	6308.1	6299.0	6045.5	4570.5
66°	1066.9	1089.0	1361.9	1686.8	2679.7	4166.4	5571.2	6326.2	6317.2	5987.1	4412.0
67.5°	920.1	926.6	1151.4	1380.1	2241.7	3697.2	5310.0	6243.1	6250.9	5825.9	4122.2
70°	718.7	717.4	847.3	960.4	1530.9	2630.3	4428.9	5719.4	5757.0	5217.7	3515.3
72.5°	460.0	444.4	519.8	587.4	891.5	1527.0	3229.4	4661.5	4725.2	4098.8	2618.6
75°	274.2	258.6	276.8	293.7	427.6	734.3	1898.7	3172.2	3233.3	2627.7	1558.2
77.5°	205.3	198.8	200.1	185.8	189.7	275.5	866.8	1676.4	1720.6	1076.0	591.3
80°	157.2	140.4	131.3	137.8	124.8	109.2	322.3	577.0	604.3	254.7	123.5
82.5°	105.3	91.0	84.5	92.3	79.3	61.1	78.0	111.8	109.2	68.9	48.1
85°	54.6	46.8	46.8	46.8	40.3	29.9	33.8	45.5	45.5	36.4	28.6
87.5°	15.6	14.3	16.9	15.6	11.7	11.7	13.0	15.6	15.6	14.3	13.0
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°	583.5	583.5	583.5	583.5	583.5	583.5	583.5	583.5	583.5	583.5	583.5
2.5°	582.2	577.0	562.7	552.3	541.9	532.8	522.4	519.8	514.6	515.9	513.3
5°	586.1	571.8	547.1	523.7	505.5	489.9	470.4	462.6	452.2	448.3	445.7
7.5°	591.3	570.5	534.1	501.6	470.4	439.3	408.1	389.9	378.2	373.0	369.1
10°	603.0	575.7	527.6	476.9	423.7	379.5	348.3	335.3	327.5	326.2	324.9
12.5°	618.6	583.5	521.1	445.7	375.6	334.0	314.5	310.6	309.3	309.3	308.0
15°	642.0	596.5	510.7	409.4	337.9	309.3	300.2	293.7	291.1	291.1	291.1
17.5°	665.4	612.1	495.1	371.7	311.9	293.7	284.6	280.7	278.1	279.4	278.1
20°	695.3	630.3	474.3	339.2	295.0	280.7	271.6	267.7	266.4	266.4	266.4
22.5°	729.1	651.1	448.3	314.5	280.7	267.7	258.6	254.7	252.1	253.4	253.4
25°	774.5	677.1	421.1	289.8	266.4	254.7	244.3	239.1	239.1	240.4	241.7
27.5°	833.0	708.3	393.8	274.2	253.4	241.7	230.0	224.8	226.1	228.7	228.7
30°	918.8	751.1	366.5	257.3	239.1	226.1	215.7	210.5	213.1	218.3	218.3
32.5°	1040.9	821.3	343.1	237.8	218.3	204.0	193.6	189.7	196.2	206.6	206.6
35°	1259.3	950.0	328.8	218.3	196.2	179.3	166.3	162.4	171.5	184.5	184.5
37.5°	1551.7	1156.6	334.0	201.4	178.0	158.5	144.3	139.1	145.6	157.2	161.1
40°	1877.9	1406.1	379.5	187.1	161.1	141.7	127.4	122.2	126.1	131.3	132.6
42.5°	2204.1	1671.2	465.2	176.7	148.1	127.4	114.4	110.5	113.1	114.4	115.7
45°	2528.9	1933.7	573.1	170.2	136.5	115.7	102.7	102.7	104.0	104.0	104.0
47.5°	2836.9	2189.8	686.2	168.9	126.1	104.0	93.6	94.9	94.9	96.2	96.2
50°	3128.0	2418.5	800.5	172.8	117.0	93.6	85.8	85.8	85.8	87.1	85.8
52.5°	3371.1	2618.6	920.1	179.3	107.9	85.8	78.0	78.0	78.0	79.3	78.0
55°	3601.1	2800.5	1042.2	188.4	100.1	79.3	71.5	68.9	68.9	70.2	68.9
57.5°	3788.2	2921.4	1157.9	189.7	93.6	72.8	66.3	62.4	62.4	62.4	62.4
60°	3796.0	2851.2	1191.7	166.3	85.8	66.3	59.8	54.6	55.9	55.9	55.9
62.5°	3547.8	2482.2	957.8	124.8	76.7	59.8	54.6	49.4	49.4	49.4	49.4
65°	3060.5	1931.1	561.4	98.8	66.3	53.3	48.1	44.2	44.2	44.2	42.9
66°	2831.7	1693.3	430.2	89.7	62.4	52.0	46.8	42.9	41.6	40.3	40.3
67.5°	2458.8	1338.5	269.0	79.3	57.2	48.1	42.9	39.0	37.7	36.4	36.4
70°	1851.9	849.9	131.3	61.1	49.4	41.6	37.7	33.8	32.5	31.2	29.9
72.5°	1299.6	497.7	68.9	46.8	40.3	36.4	32.5	28.6	27.3	26.0	26.0
75°	734.3	240.4	45.5	33.8	32.5	29.9	27.3	23.4	22.1	22.1	22.1
77.5°	278.1	83.2	31.2	24.7	26.0	23.4	19.5	19.5	18.2	19.5	18.2
80°	72.8	36.4	19.5	18.2	19.5	16.9	14.3	15.6	15.6	15.6	15.6
82.5°	39.0	20.8	11.7	13.0	11.7	11.7	9.1	10.4	11.7	10.4	11.7
85°	27.3	10.4	6.5	6.5	5.2	5.2	3.9	5.2	6.5	5.2	5.2
87.5°	14.3	3.9	3.9	3.9	3.9	2.6	1.3	0.0	1.3	1.3	1.3
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)