

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: P1210262

Luminaire Tested: **ARCH2-70-722-U-T3RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210262
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: ARCH2-70-722-U-T3RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 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: 6267 lumens
Efficiency: N/A
Efficacy: 85.1 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

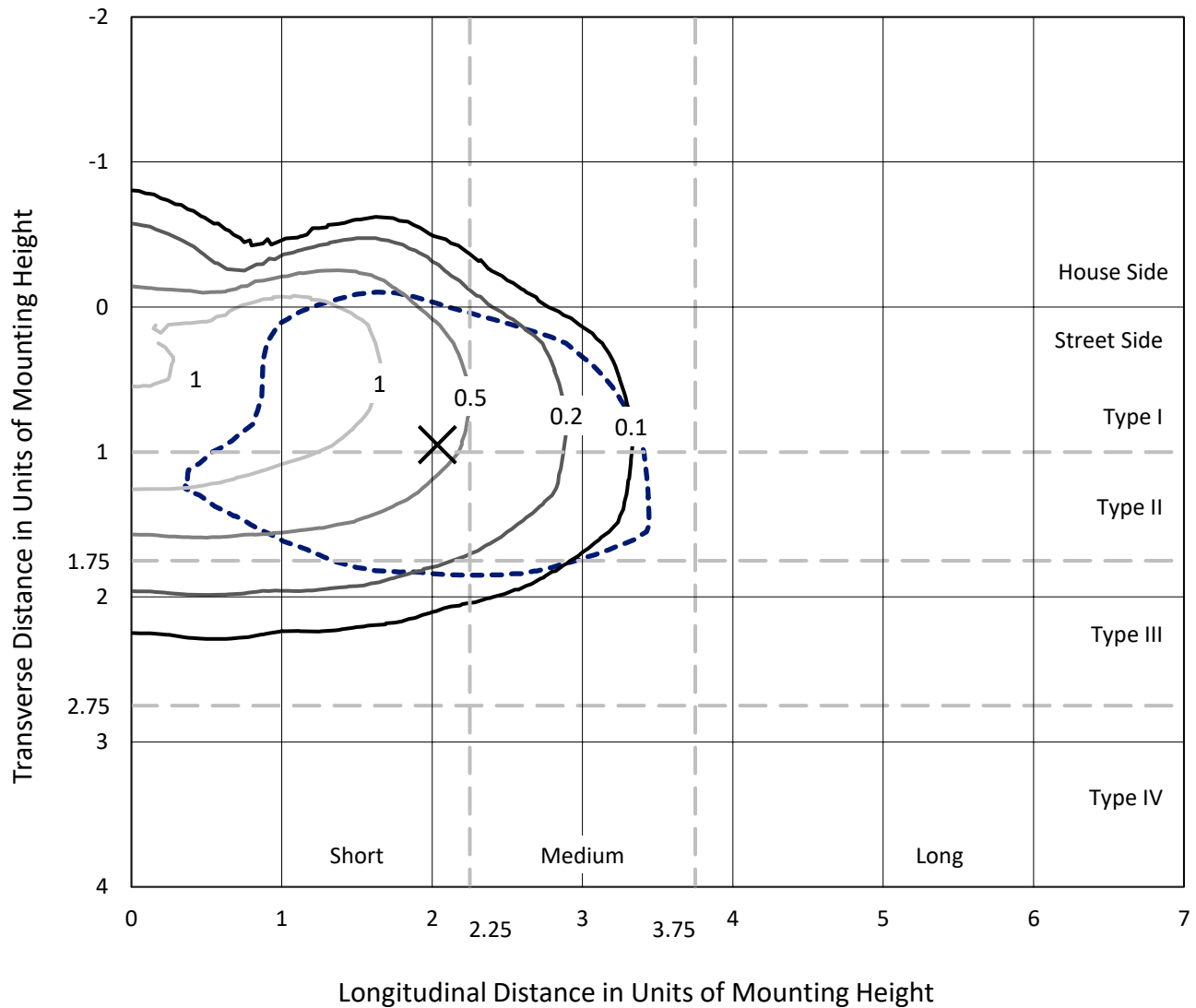


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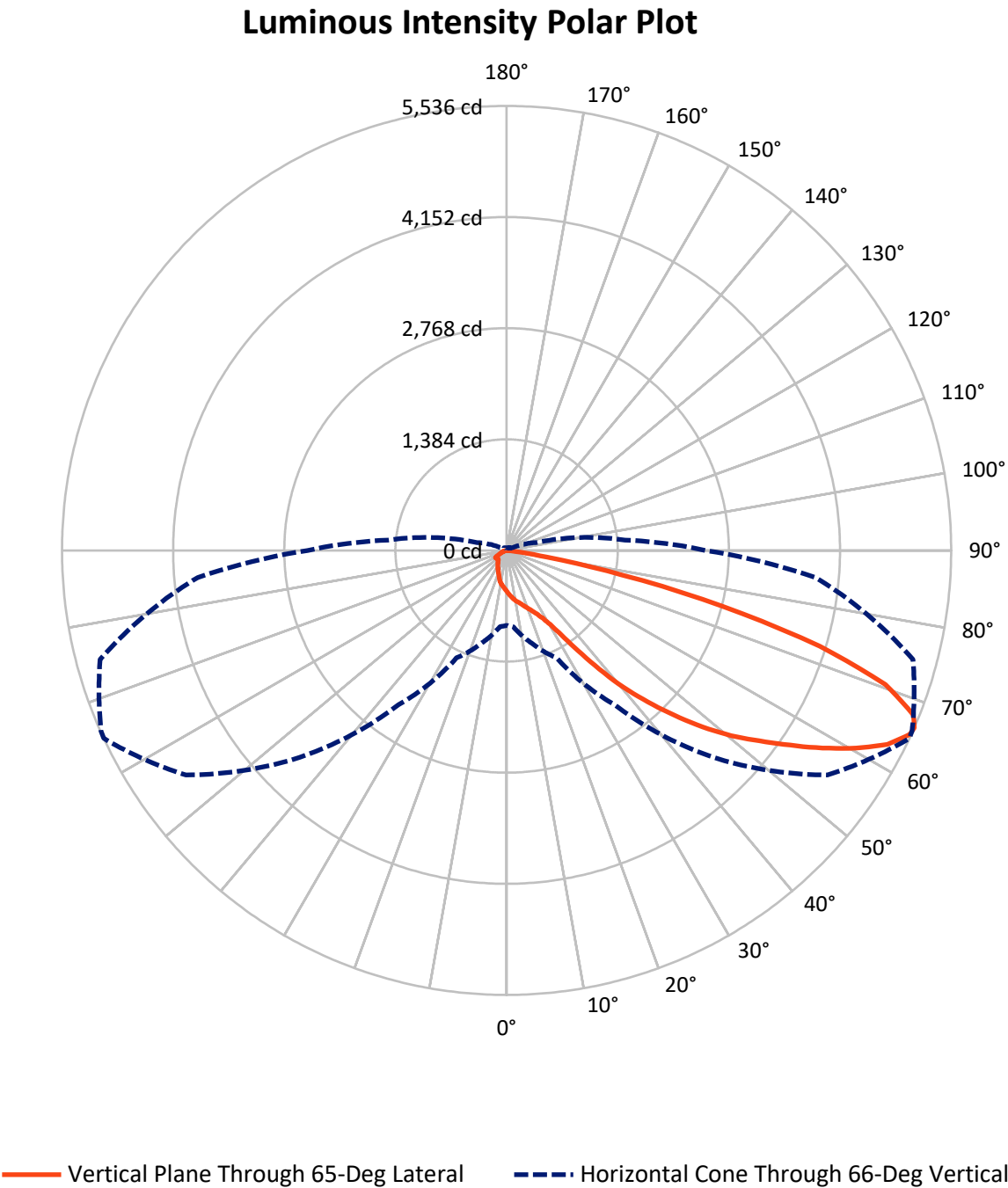
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
Type III - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	739.6	0.0	739.6
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	5527.4	0.0	5527.4
	% Fixture	88.2	0.0	88.2
Total	Lumens	6267.0	0.0	6267.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.4	0.8
10°-20°	143.3	2.3
20°-30°	262.3	4.2
30°-40°	532.9	8.5
40°-50°	1125.4	18.0
50°-60°	1730.1	27.6
60°-70°	1741.5	27.8
70°-80°	650.7	10.4
80°-90°	32.5	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°	6267.0	100.0
0°-180°	6267.0	100.0

Coefficient of Utilization



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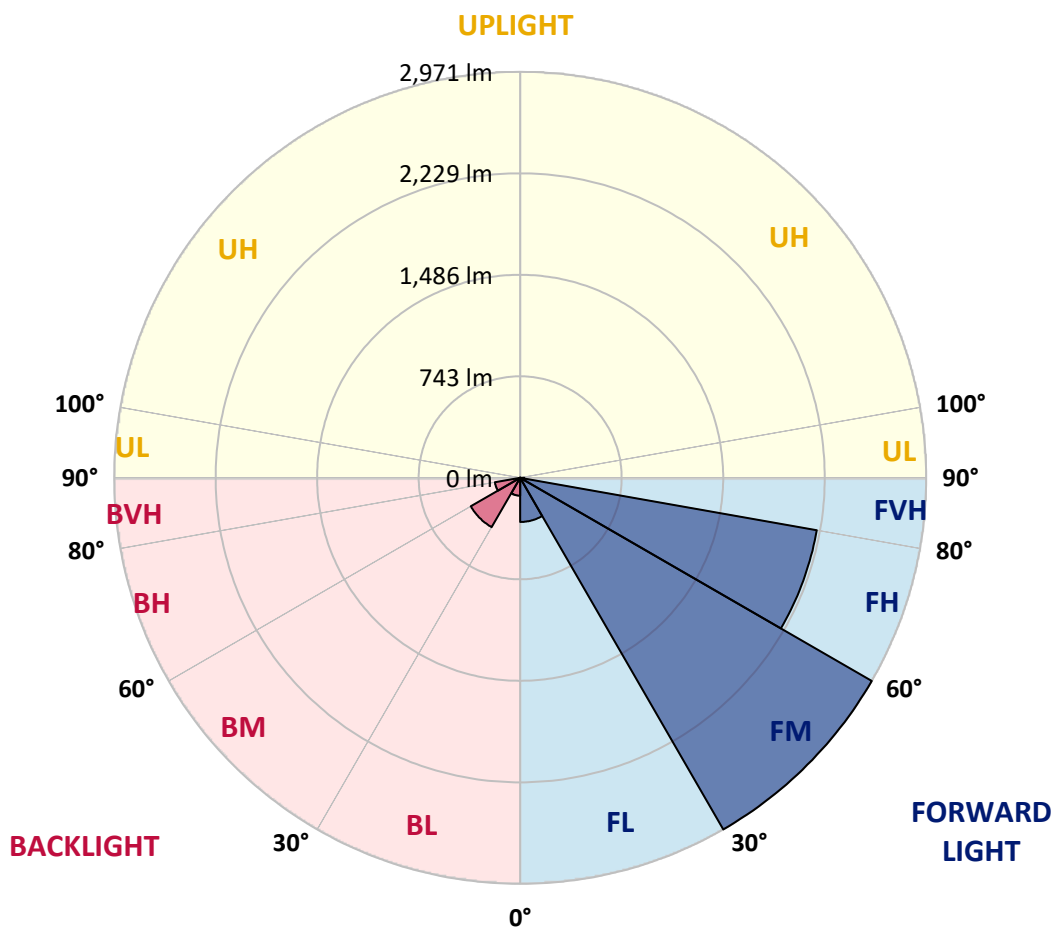
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	323.1	5.2			
FM	(30°-60°)	2971.4	47.4			
FH	(60°-80°)	2204.3	35.2			G2/5000
FVH	(80°-90°)	28.7	0.5			G1/100
BL	(0°-30°)	130.9	2.1	B1/500		
BM	(30°-60°)	417.0	6.7	B1/1000		
BH	(60°-80°)	187.9	3.0	B1/500		G1/500
BVH	(80°-90°)	3.8	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	510.6	510.6	510.6	510.6	510.6	510.6	510.6	510.6	510.6	510.6	510.6
2.5°	582.2	583.4	581.1	576.5	572.0	566.3	557.2	542.4	540.2	529.9	518.5
5°	622.0	624.3	620.9	619.8	617.5	609.5	597.0	575.4	573.1	552.7	526.5
7.5°	635.7	639.1	636.8	636.8	636.8	633.4	627.7	608.4	605.0	578.8	539.0
10°	645.9	648.2	647.0	651.6	655.0	652.7	649.3	637.9	634.5	608.4	556.1
12.5°	661.8	663.0	664.1	666.4	672.1	674.3	673.2	663.0	660.7	642.5	577.7
15°	676.6	676.6	677.7	688.0	695.9	700.5	701.6	693.7	691.4	676.6	605.0
17.5°	690.3	691.4	694.8	706.2	719.8	728.9	734.6	731.2	727.8	716.4	636.8
20°	710.7	713.0	716.4	732.3	746.0	760.8	772.1	771.0	769.9	761.9	674.3
22.5°	746.0	748.3	753.9	768.7	782.4	800.6	819.9	818.8	815.3	809.7	718.7
25°	799.4	799.4	802.8	815.3	832.4	854.0	872.2	875.6	872.2	868.8	774.4
27.5°	866.5	867.7	867.7	881.3	897.2	924.5	947.3	950.7	950.7	947.3	849.5
30°	959.8	956.4	954.1	965.4	982.5	1022.3	1062.1	1068.9	1065.5	1071.2	955.2
32.5°	1120.1	1114.4	1095.1	1097.4	1107.6	1162.2	1229.3	1253.1	1252.0	1262.2	1125.8
35°	1341.8	1330.5	1302.0	1278.2	1277.0	1336.2	1438.5	1528.3	1527.2	1562.5	1385.1
37.5°	1592.0	1606.8	1553.4	1512.4	1499.9	1546.5	1678.4	1872.9	1883.1	1944.5	1725.1
40°	1926.3	1935.4	1867.2	1809.2	1750.1	1767.1	1941.1	2243.6	2261.8	2330.0	2065.1
42.5°	2217.5	2226.6	2186.8	2116.3	2041.2	2009.4	2206.1	2580.2	2595.0	2689.4	2415.3
45°	2415.3	2422.1	2435.8	2442.6	2357.3	2291.4	2530.2	2925.9	2944.1	3053.3	2757.6
47.5°	2570.0	2575.7	2603.0	2671.2	2654.1	2601.8	2860.0	3285.3	3289.8	3411.5	3090.8
50°	2641.6	2655.3	2722.4	2827.0	2902.0	2916.8	3218.2	3625.3	3637.8	3753.8	3405.8
52.5°	2562.0	2566.6	2736.0	2932.7	3084.0	3234.1	3577.5	3940.3	3976.6	4063.1	3688.9
55°	2293.6	2326.6	2583.6	2929.3	3227.3	3535.4	3961.9	4280.3	4313.2	4367.8	3938.0
57.5°	1982.1	2018.5	2331.2	2782.6	3288.7	3814.0	4317.8	4641.9	4664.6	4679.4	4166.5
60°	1712.6	1746.7	2068.5	2501.7	3227.3	4010.8	4648.7	5001.2	5020.6	4980.8	4281.4
62.5°	1381.6	1415.8	1739.9	2129.9	2986.2	4050.6	4894.3	5320.8	5328.7	5220.7	4210.9
65°	1041.6	1064.4	1335.0	1669.3	2564.3	3839.0	4950.1	5519.8	5511.8	5290.1	3999.4
66°	933.6	952.9	1191.7	1476.0	2344.8	3645.7	4875.0	5535.7	5527.7	5238.9	3860.7
67.5°	805.1	810.8	1007.5	1207.7	1961.6	3235.2	4646.4	5462.9	5469.7	5097.9	3607.1
70°	628.8	627.7	741.4	840.4	1339.6	2301.6	3875.4	5004.6	5037.6	4565.7	3076.0
72.5°	402.6	388.9	454.9	514.0	780.1	1336.2	2825.8	4079.0	4134.7	3586.6	2291.4
75°	239.9	226.3	242.2	257.0	374.1	642.5	1661.4	2775.8	2829.3	2299.3	1363.5
77.5°	179.7	174.0	175.1	162.6	166.0	241.1	758.5	1466.9	1505.6	941.6	517.4
80°	137.6	122.8	114.9	120.5	109.2	95.5	282.0	504.9	528.8	222.9	108.0
82.5°	92.1	79.6	73.9	80.7	69.4	53.4	68.2	97.8	95.5	60.3	42.1
85°	47.8	40.9	40.9	40.9	35.3	26.2	29.6	39.8	39.8	31.8	25.0
87.5°	13.6	12.5	14.8	13.6	10.2	10.2	11.4	13.6	13.6	12.5	11.4
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°	510.6	510.6	510.6	510.6	510.6	510.6	510.6	510.6	510.6	510.6	510.6
2.5°	509.4	504.9	492.4	483.3	474.2	466.2	457.1	454.9	450.3	451.5	449.2
5°	512.9	500.3	478.7	458.3	442.4	428.7	411.7	404.8	395.7	392.3	390.0
7.5°	517.4	499.2	467.4	438.9	411.7	384.4	357.1	341.1	330.9	326.4	323.0
10°	527.6	503.8	461.7	417.3	370.7	332.1	304.8	293.4	286.6	285.4	284.3
12.5°	541.3	510.6	456.0	390.0	328.6	292.2	275.2	271.8	270.6	270.6	269.5
15°	561.8	522.0	446.9	358.2	295.7	270.6	262.7	257.0	254.7	254.7	254.7
17.5°	582.2	535.6	433.3	325.2	272.9	257.0	249.0	245.6	243.4	244.5	243.4
20°	608.4	551.5	415.1	296.8	258.1	245.6	237.7	234.3	233.1	233.1	233.1
22.5°	637.9	569.7	392.3	275.2	245.6	234.3	226.3	222.9	220.6	221.7	221.7
25°	677.7	592.5	368.4	253.6	233.1	222.9	213.8	209.2	209.2	210.4	211.5
27.5°	728.9	619.8	344.6	239.9	221.7	211.5	201.3	196.7	197.9	200.1	200.1
30°	804.0	657.3	320.7	225.2	209.2	197.9	188.8	184.2	186.5	191.0	191.0
32.5°	910.9	718.7	300.2	208.1	191.0	178.5	169.4	166.0	171.7	180.8	180.8
35°	1101.9	831.3	287.7	191.0	171.7	156.9	145.6	142.1	150.1	161.5	161.5
37.5°	1357.8	1012.1	292.2	176.3	155.8	138.7	126.2	121.7	127.4	137.6	141.0
40°	1643.2	1230.4	332.1	163.8	141.0	124.0	111.4	106.9	110.3	114.9	116.0
42.5°	1928.6	1462.4	407.1	154.7	129.6	111.4	100.1	96.7	98.9	100.1	101.2
45°	2212.9	1692.1	501.5	149.0	119.4	101.2	89.8	89.8	91.0	91.0	91.0
47.5°	2482.4	1916.1	600.4	147.8	110.3	91.0	81.9	83.0	83.0	84.1	84.1
50°	2737.1	2116.3	700.5	151.2	102.3	81.9	75.1	75.1	75.1	76.2	75.1
52.5°	2949.8	2291.4	805.1	156.9	94.4	75.1	68.2	68.2	68.2	69.4	68.2
55°	3151.1	2450.6	912.0	164.9	87.6	69.4	62.5	60.3	60.3	61.4	60.3
57.5°	3314.8	2556.3	1013.2	166.0	81.9	63.7	58.0	54.6	54.6	54.6	54.6
60°	3321.6	2494.9	1042.8	145.6	75.1	58.0	52.3	47.8	48.9	48.9	48.9
62.5°	3104.4	2172.0	838.1	109.2	67.1	52.3	47.8	43.2	43.2	43.2	43.2
65°	2678.0	1689.8	491.3	86.4	58.0	46.6	42.1	38.7	38.7	38.7	37.5
66°	2477.9	1481.7	376.4	78.5	54.6	45.5	40.9	37.5	36.4	35.3	35.3
67.5°	2151.5	1171.3	235.4	69.4	50.0	42.1	37.5	34.1	33.0	31.8	31.8
70°	1620.5	743.7	114.9	53.4	43.2	36.4	33.0	29.6	28.4	27.3	26.2
72.5°	1137.2	435.5	60.3	40.9	35.3	31.8	28.4	25.0	23.9	22.7	22.7
75°	642.5	210.4	39.8	29.6	28.4	26.2	23.9	20.5	19.3	19.3	19.3
77.5°	243.4	72.8	27.3	21.6	22.7	20.5	17.1	17.1	15.9	17.1	15.9
80°	63.7	31.8	17.1	15.9	17.1	14.8	12.5	13.6	13.6	13.6	13.6
82.5°	34.1	18.2	10.2	11.4	10.2	10.2	8.0	9.1	10.2	9.1	10.2
85°	23.9	9.1	5.7	5.7	4.5	4.5	3.4	4.5	5.7	4.5	4.5
87.5°	12.5	3.4	3.4	3.4	3.4	2.3	1.1	0.0	1.1	1.1	1.1
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)