

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: P1210148

Luminaire Tested: **ARCH2-30-740-U-T2RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210148
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-3)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH2-30-740-U-T2RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 4000K, 260mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE II
ROADWAY ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3921 lumens
Efficiency: N/A
Efficacy: 114.0 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

Input Watts (W): 34.4
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

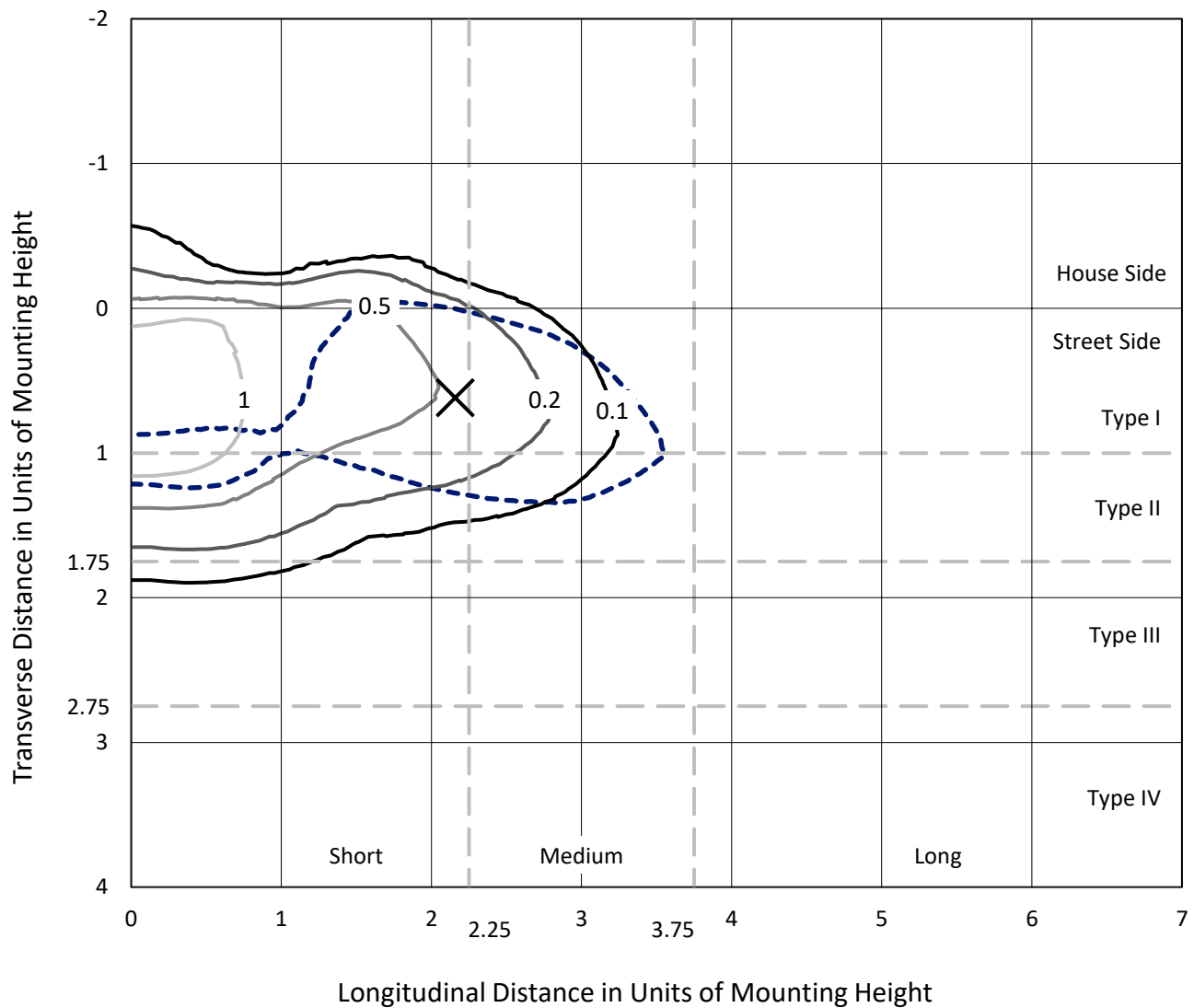


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Iso-Footcandle Lines of Horizontal Illumination

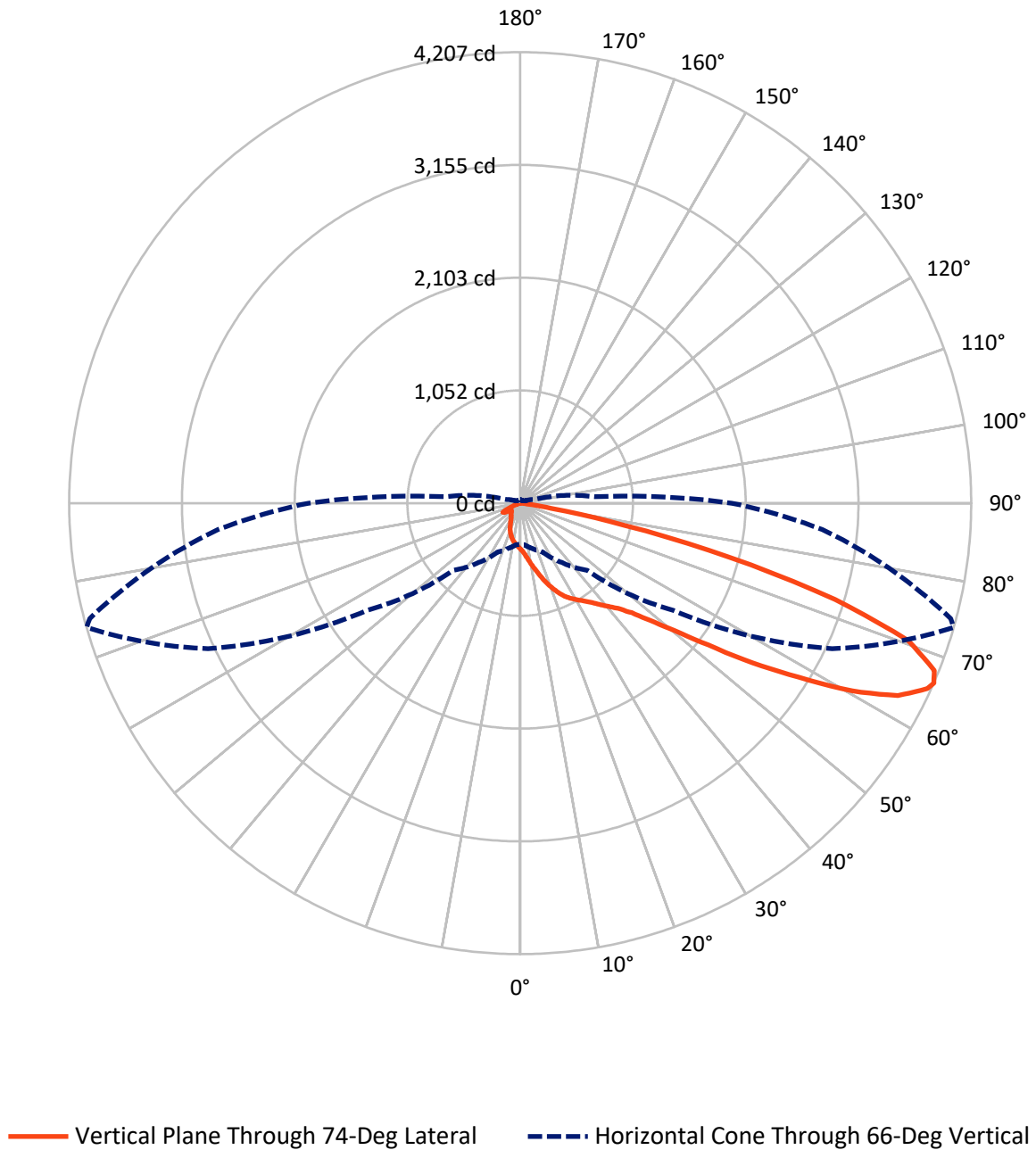
✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	384.4	0.0	384.4
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	3536.6	0.0	3536.6
	% Fixture	90.2	0.0	90.2
Total	Lumens	3921.0	0.0	3921.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.8	1.1
10°-20°	133.9	3.4
20°-30°	255.6	6.5
30°-40°	448.0	11.4
40°-50°	768.2	19.6
50°-60°	999.1	25.5
60°-70°	904.4	23.1
70°-80°	349.0	8.9
80°-90°	21.0	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°	3921.0	100.0
0°-180°	3921.0	100.0

Coefficient of Utilization



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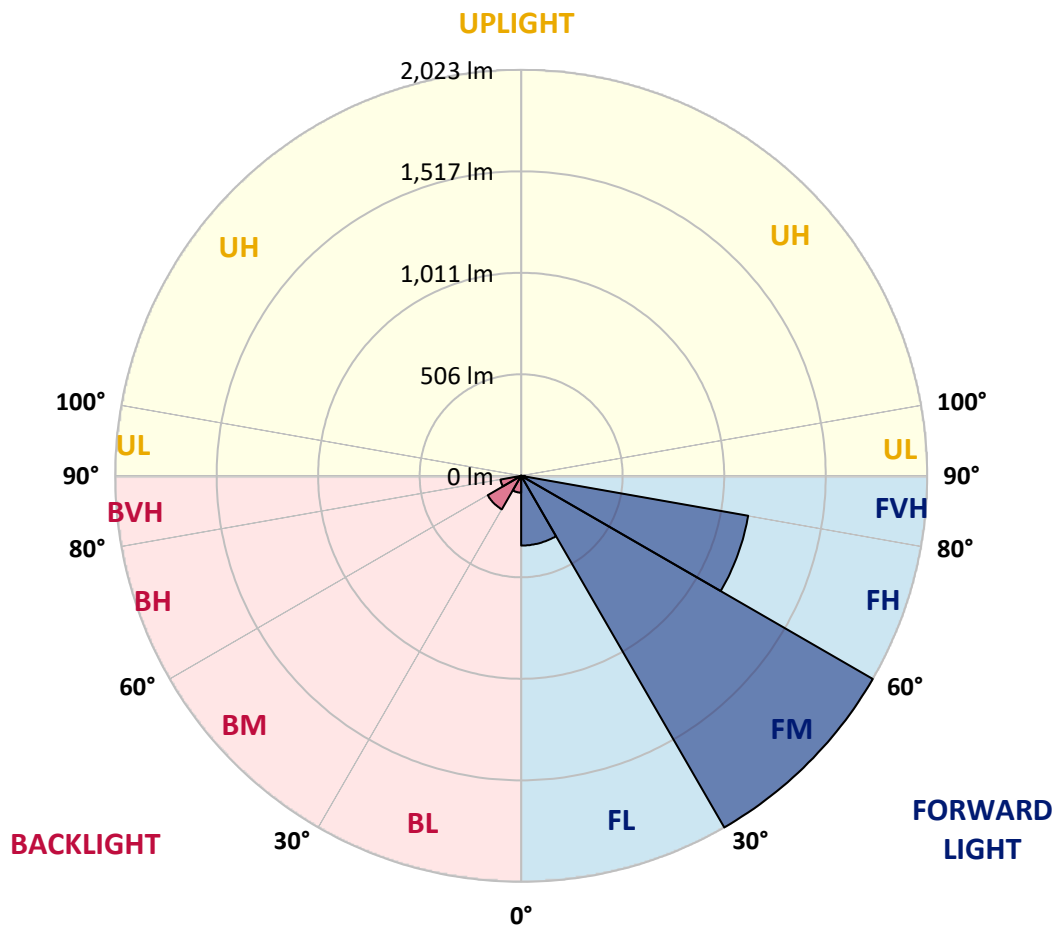
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	347.5	8.9			
FM	(30°-60°)	2022.7	51.6			
FH	(60°-80°)	1148.3	29.3			G1/1800
FVH	(80°-90°)	18.2	0.5			G1/100
BL	(0°-30°)	83.8	2.1	B0/110		
BM	(30°-60°)	192.6	4.9	B0/220		
BH	(60°-80°)	105.1	2.7	B0/110		G0/110
BVH	(80°-90°)	2.8	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	428.0	428.0	428.0	428.0	428.0	428.0	428.0	428.0	428.0	428.0	428.0
2.5°	513.9	509.7	501.9	501.2	494.9	487.1	473.8	459.7	449.8	448.4	436.5
5°	615.3	613.2	605.4	600.5	588.5	570.2	539.2	508.3	482.2	479.4	452.6
7.5°	642.0	643.4	644.8	649.8	645.5	637.1	613.9	570.2	529.4	523.0	476.6
10°	646.2	644.8	644.8	651.2	663.1	675.1	672.3	635.0	582.2	574.4	509.7
12.5°	692.0	694.1	689.2	686.4	684.3	690.6	711.7	695.5	637.8	631.5	549.8
15°	751.1	750.4	743.4	743.4	737.1	726.5	739.9	751.8	704.7	696.9	595.6
17.5°	794.1	796.9	796.2	800.4	798.3	784.2	777.2	801.8	773.7	763.8	647.6
20°	828.6	836.3	839.1	852.5	858.8	849.0	830.7	846.2	839.8	830.7	700.4
22.5°	865.2	871.5	876.4	899.7	917.3	915.2	891.9	888.4	903.9	895.4	752.5
25°	901.8	904.6	919.4	947.5	975.7	982.7	958.8	931.3	961.6	953.9	799.0
27.5°	941.9	943.3	960.9	995.4	1034.8	1049.6	1030.6	979.9	1006.0	1006.0	841.2
30°	1015.1	1029.2	1036.2	1067.2	1101.7	1122.1	1099.6	1031.3	1045.4	1051.7	885.6
32.5°	1172.8	1174.9	1172.8	1186.2	1193.2	1205.2	1179.1	1089.0	1085.5	1092.6	929.2
35°	1413.6	1405.1	1382.6	1362.9	1322.0	1299.5	1265.7	1163.0	1134.8	1144.6	972.2
37.5°	1705.7	1693.7	1642.4	1581.8	1494.5	1404.4	1362.2	1253.1	1197.4	1210.1	1018.6
40°	1984.5	1976.7	1915.5	1840.9	1691.6	1537.5	1448.1	1329.1	1267.1	1272.1	1065.8
42.5°	2214.0	2212.6	2161.2	2083.0	1891.6	1681.1	1549.4	1403.7	1340.4	1348.1	1115.1
45°	2387.9	2374.5	2336.5	2280.1	2085.1	1830.3	1671.9	1517.0	1457.9	1467.1	1189.0
47.5°	2387.9	2390.0	2414.6	2409.0	2220.3	1970.4	1805.7	1660.0	1631.8	1640.2	1310.8
50°	2193.6	2213.3	2323.1	2415.3	2290.7	2079.5	1950.0	1838.8	1867.6	1880.3	1523.4
52.5°	1809.2	1842.3	2033.1	2243.5	2238.6	2134.4	2099.2	2066.1	2195.7	2218.2	1837.4
55°	1374.8	1396.7	1645.2	1921.8	2011.9	2089.4	2229.5	2354.8	2630.0	2625.1	2156.2
57.5°	1027.1	1047.5	1261.5	1568.4	1687.4	1894.4	2296.3	2684.9	3060.8	3079.8	2455.4
60°	755.4	770.8	953.2	1205.2	1377.0	1595.9	2269.6	3010.2	3557.1	3535.3	2719.4
62.5°	558.9	567.4	699.0	863.1	1091.1	1300.2	2101.3	3232.6	3953.5	3909.1	2866.5
65°	432.2	435.1	503.3	590.6	793.4	1010.9	1850.7	3266.4	4172.4	4125.2	2863.7
66°	385.1	387.2	437.2	504.7	675.1	884.9	1740.9	3212.2	4206.9	4156.9	2828.5
67.5°	323.1	321.7	351.3	395.6	506.9	682.8	1545.9	3053.8	4166.1	4140.7	2715.9
70°	239.3	240.1	254.8	265.4	296.4	378.0	1116.5	2649.0	3839.4	3838.0	2406.9
72.5°	177.4	179.5	190.8	192.9	185.1	204.9	643.4	2107.0	3071.4	3072.1	1799.3
75°	133.0	136.6	140.1	141.5	134.5	129.5	290.7	1417.8	2020.4	2005.6	1018.6
77.5°	101.4	102.8	105.6	103.5	102.1	89.4	121.1	691.3	997.5	908.8	330.2
80°	73.9	73.9	76.7	73.9	73.2	64.1	66.2	221.7	292.8	243.6	71.1
82.5°	46.5	45.8	47.9	47.2	45.8	40.8	38.7	61.9	67.6	60.5	34.5
85°	26.0	25.3	24.6	23.9	21.8	18.3	21.1	23.2	31.0	31.7	24.6
87.5°	9.2	9.2	8.4	7.7	6.3	6.3	7.7	7.7	11.3	11.3	12.7
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°	428.0	428.0	428.0	428.0	428.0	428.0	428.0	428.0	428.0	428.0	428.0
2.5°	430.8	423.1	411.8	397.0	386.5	375.9	364.7	358.3	349.2	347.1	349.9
5°	438.6	424.5	396.3	365.4	338.6	314.7	292.1	278.8	265.4	260.5	262.6
7.5°	454.8	430.8	383.0	333.0	288.6	252.7	226.0	210.5	198.5	193.6	195.0
10°	478.7	442.1	370.3	296.4	239.3	201.3	178.8	169.0	161.9	159.1	159.8
12.5°	507.6	458.3	354.1	259.8	197.1	164.0	153.5	151.4	149.9	148.5	149.2
15°	539.9	472.4	335.1	223.9	164.0	145.7	142.2	141.5	140.8	140.8	140.8
17.5°	573.7	485.0	314.0	190.1	142.9	134.5	132.3	132.3	132.3	133.0	133.0
20°	605.4	494.9	289.3	159.8	130.9	123.9	122.5	122.5	123.2	123.9	123.9
22.5°	636.4	499.1	260.5	138.7	121.1	114.7	112.6	112.6	112.6	113.3	113.3
25°	663.1	499.1	231.6	125.3	112.6	106.3	103.5	102.8	103.5	103.5	103.5
27.5°	685.7	497.0	203.4	116.2	104.2	97.9	95.0	94.3	95.7	96.4	96.4
30°	709.6	494.2	180.9	107.7	97.1	90.8	88.0	88.0	90.1	92.9	92.9
32.5°	732.8	496.3	163.3	100.7	90.1	85.2	82.4	83.1	87.3	91.5	91.5
35°	757.5	500.5	152.8	95.7	85.2	80.3	78.1	80.3	84.5	88.7	88.7
37.5°	782.1	505.4	146.4	91.5	81.0	76.0	74.6	77.4	82.4	86.6	87.3
40°	808.2	509.7	139.4	87.3	78.1	72.5	71.8	74.6	81.0	85.2	85.9
42.5°	840.5	518.1	130.9	83.8	75.3	68.3	69.0	71.1	77.4	83.8	84.5
45°	903.9	544.9	122.5	80.3	71.8	66.2	64.8	66.2	73.2	80.3	81.7
47.5°	1022.9	605.4	113.3	76.7	68.3	64.8	59.1	60.5	66.9	74.6	75.3
50°	1250.9	734.2	108.4	73.2	65.5	59.8	53.5	53.5	58.4	65.5	65.5
52.5°	1606.4	965.1	111.2	70.4	61.9	54.9	48.6	47.9	50.7	55.6	55.6
55°	1990.1	1218.6	121.8	67.6	57.7	52.1	45.1	41.5	43.6	46.5	46.5
57.5°	2294.2	1346.0	150.6	66.2	52.8	50.0	40.8	35.9	38.0	40.8	40.8
60°	2428.0	1271.4	183.0	67.6	49.3	46.5	36.6	31.7	35.2	38.0	38.7
62.5°	2319.6	1046.8	196.4	64.1	44.3	41.5	35.9	29.6	33.8	35.9	36.6
65°	2085.1	795.5	153.5	55.6	40.8	35.9	32.4	28.2	31.7	33.8	33.8
66°	1973.9	693.4	130.9	51.4	39.4	33.8	31.0	28.2	31.0	32.4	33.1
67.5°	1801.4	547.0	97.1	45.1	36.6	31.0	28.9	26.8	29.6	31.0	31.0
70°	1408.6	325.9	58.4	35.2	31.7	27.5	26.0	24.6	26.8	27.5	27.5
72.5°	882.1	154.9	37.3	26.0	26.8	26.0	21.8	23.2	23.9	24.6	24.6
75°	427.3	61.2	25.3	19.0	21.8	24.6	17.6	20.4	21.1	22.5	21.8
77.5°	119.0	29.6	16.2	14.1	19.0	19.0	13.4	16.2	19.0	23.9	21.8
80°	34.5	19.0	10.6	10.6	13.4	13.4	9.2	11.3	12.7	14.1	14.8
82.5°	23.9	12.7	7.0	7.7	7.7	8.4	5.6	5.6	7.0	7.0	7.7
85°	19.0	5.6	4.2	4.9	3.5	4.2	2.8	2.8	3.5	2.8	2.8
87.5°	7.7	2.8	2.8	2.8	2.1	2.1	1.4	0.7	0.7	0.7	0.7
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)