

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: P233680

Luminaire Tested: **VERD-C026-D-U-T2-7030-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233680
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1710-389-32)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-C026-D-U-T2-7030-HSS
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 790mA LEDS AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7126 lumens
Efficiency: N/A
Efficacy: 114.9 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B1 - U0 - G2

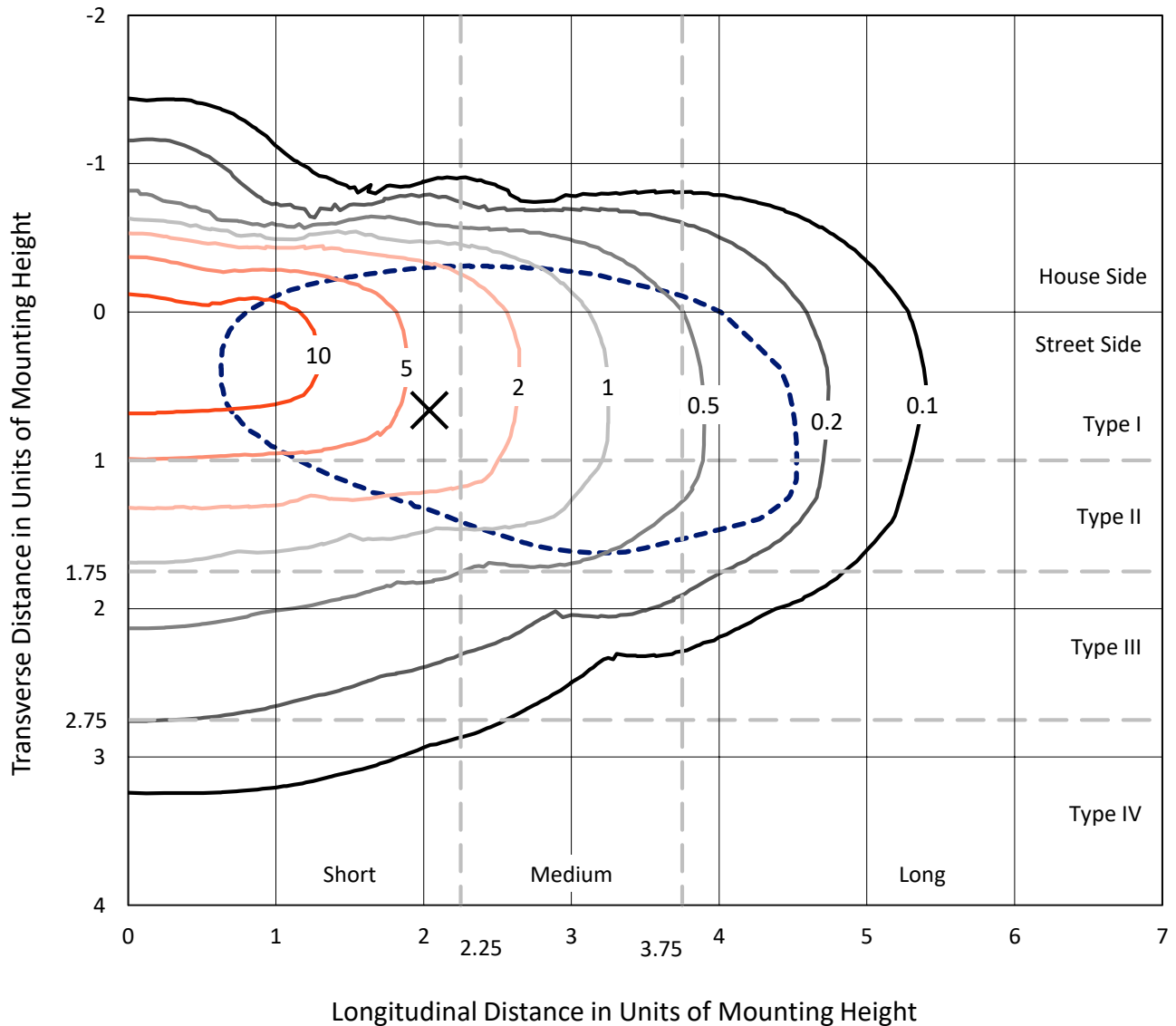
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

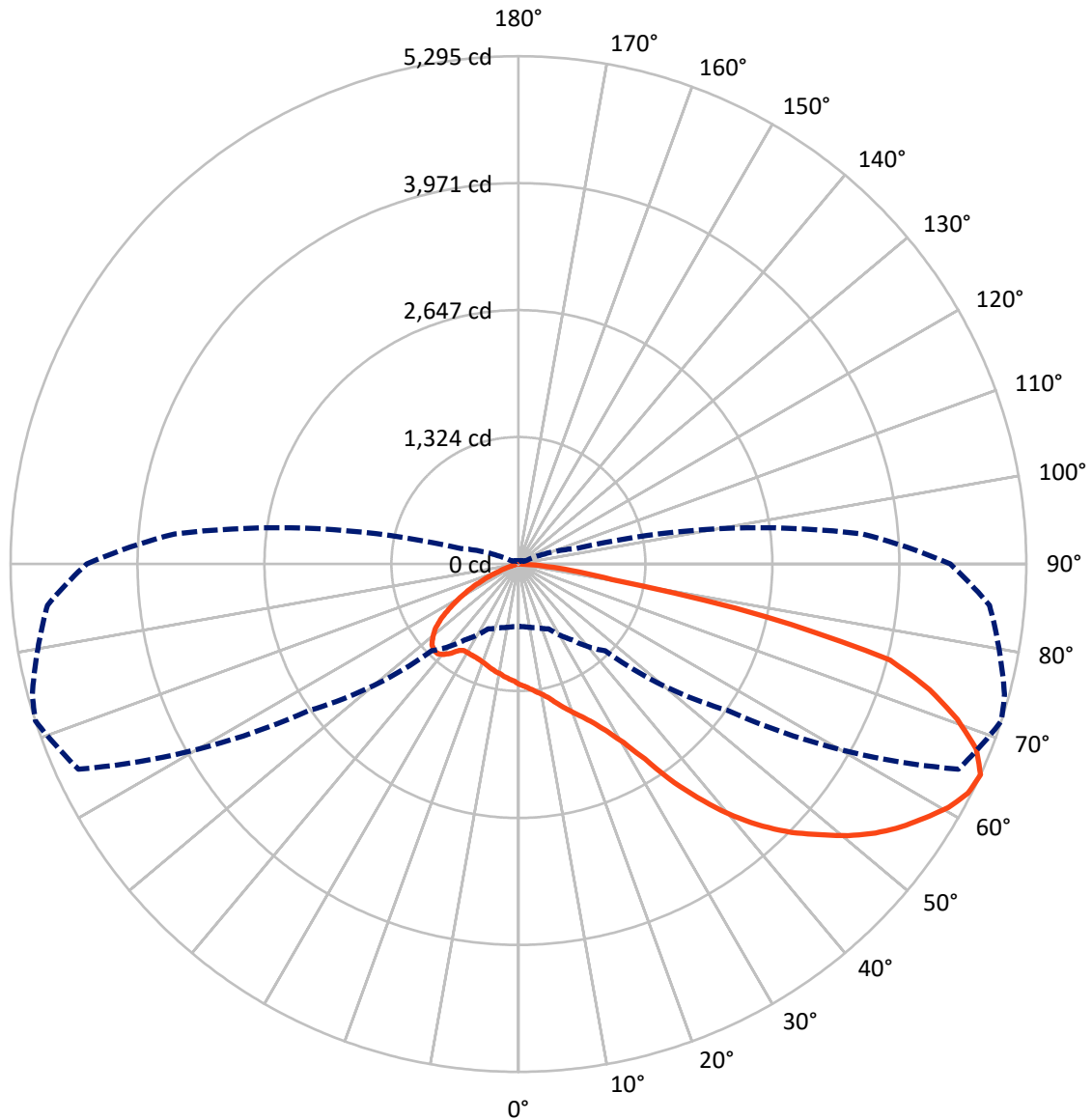
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.7 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1480.8	0.0	1480.8
	% Fixture	20.8	0.0	20.8
Street Side	Lumens	5645.2	0.0	5645.2
	% Fixture	79.2	0.0	79.2
Total	Lumens	7126.0	0.0	7126.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.4	1.7
10°-20°	365.4	5.1
20°-30°	610.6	8.6
30°-40°	903.2	12.7
40°-50°	1248.6	17.5
50°-60°	1461.1	20.5
60°-70°	1452.3	20.4
70°-80°	869.8	12.2
80°-90°	94.7	1.3
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°	7126.0	100.0
0°-180°	7126.0	100.0



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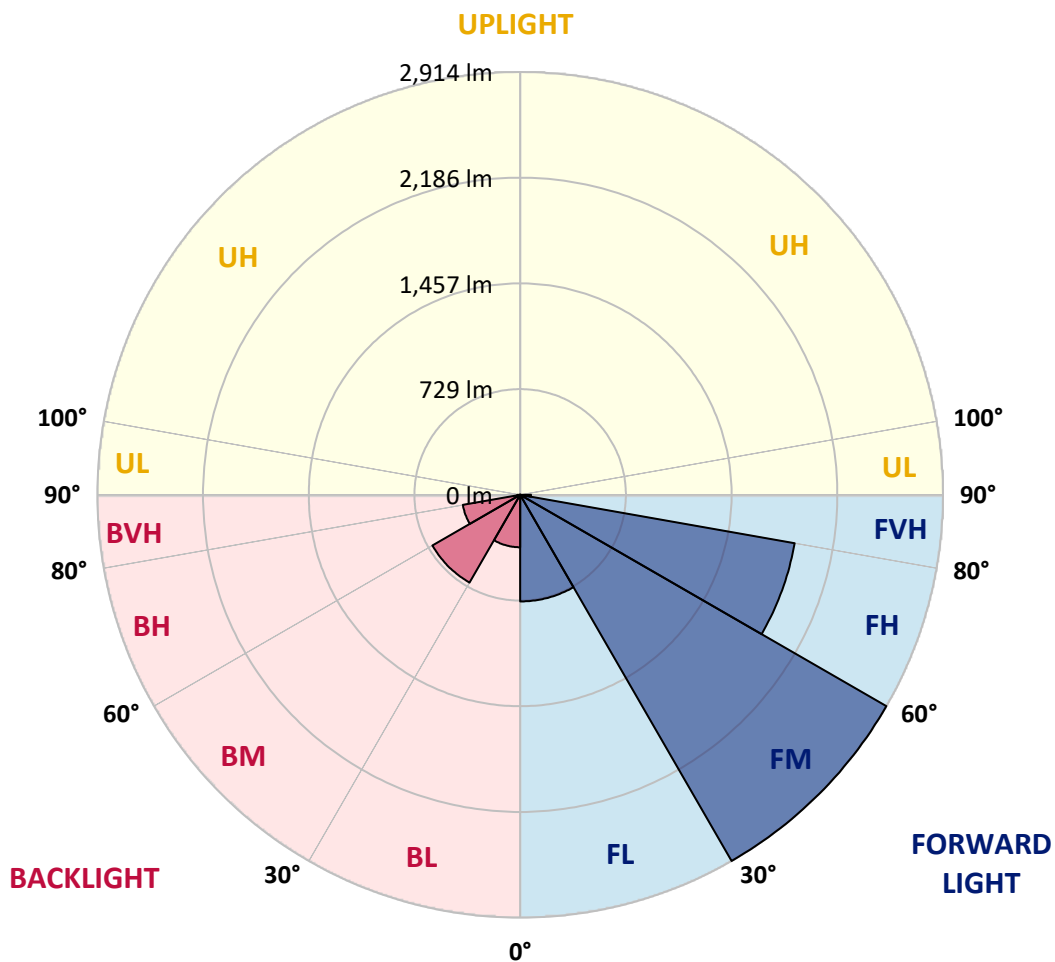
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	734.8	10.3			
FM	(30°-60°)	2914.3	40.9			
FH	(60°-80°)	1921.2	27.0			G2/5000
FVH	(80°-90°)	74.8	1.1			G1/100
BL	(0°-30°)	361.5	5.1	B1/500		
BM	(30°-60°)	698.6	9.8	B1/1000		
BH	(60°-80°)	400.9	5.6	B1/500		G1/500
BVH	(80°-90°)	19.8	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	1255.9	1255.9	1255.9	1255.9	1255.9	1255.9	1255.9	1255.9	1255.9	1255.9	1255.9
2.5°	1361.7	1362.9	1363.5	1341.9	1330.3	1316.9	1304.1	1290.2	1275.7	1270.4	1251.2
5°	1445.4	1446.6	1443.1	1423.3	1401.8	1382.1	1357.6	1332.6	1308.2	1301.2	1268.7
7.5°	1526.3	1525.7	1522.8	1497.8	1471.0	1444.9	1410.6	1376.8	1344.8	1333.8	1285.5
10°	1593.1	1594.3	1596.0	1569.3	1543.1	1511.7	1469.9	1419.9	1383.2	1365.8	1303.0
12.5°	1666.4	1662.9	1667.5	1641.4	1605.3	1576.8	1539.0	1480.3	1436.7	1414.6	1336.7
15°	1750.1	1750.1	1743.7	1722.2	1685.6	1650.7	1612.9	1558.8	1506.5	1472.8	1382.1
17.5°	1807.7	1804.2	1802.4	1783.8	1752.4	1722.2	1693.1	1637.9	1580.9	1539.6	1424.5
20°	1832.1	1833.3	1841.4	1828.0	1811.2	1793.1	1761.2	1718.1	1655.3	1611.1	1469.9
22.5°	1879.2	1880.3	1890.2	1880.9	1876.3	1871.6	1842.0	1804.2	1737.3	1694.9	1526.8
25°	1882.1	1883.3	1910.0	1925.1	1949.0	1960.0	1939.7	1907.1	1839.1	1797.8	1611.7
27.5°	1890.8	1894.3	1921.6	1963.5	2026.3	2048.4	2036.8	2035.6	1978.0	1934.4	1722.2
30°	1883.3	1886.7	1926.3	1984.4	2071.6	2136.8	2150.1	2184.4	2161.2	2128.6	1875.7
32.5°	1829.8	1842.6	1889.6	1982.1	2110.6	2228.6	2271.6	2389.1	2424.0	2427.5	2183.9
35°	1732.7	1739.6	1825.1	1955.4	2136.8	2315.3	2433.9	2650.7	2798.4	2792.0	2525.2
37.5°	1658.8	1661.1	1748.9	1910.0	2151.3	2408.3	2618.8	2965.9	3135.7	3143.2	2833.3
40°	1564.0	1580.9	1665.2	1855.3	2143.2	2486.8	2802.5	3259.5	3457.2	3449.0	3103.7
42.5°	1475.7	1485.6	1569.3	1769.9	2113.5	2546.7	2982.7	3543.8	3738.0	3711.3	3363.0
45°	1383.8	1400.7	1477.4	1659.4	2054.8	2580.4	3146.1	3813.6	3991.5	3958.4	3591.5
47.5°	1291.9	1304.1	1385.5	1558.2	1944.3	2579.2	3306.6	4066.5	4216.5	4193.3	3807.8
50°	983.2	1009.9	1223.9	1452.4	1789.1	2530.4	3436.3	4306.7	4452.6	4416.5	4018.8
52.5°	901.2	909.9	969.8	1329.7	1623.4	2414.1	3537.4	4532.3	4660.7	4619.5	4217.7
55°	851.8	862.3	886.7	1080.9	1487.3	2222.8	3579.3	4742.7	4838.7	4796.8	4395.0
57.5°	786.1	796.6	844.8	930.9	1345.4	1931.5	3517.7	4929.4	4996.2	4950.3	4559.6
60°	740.7	745.4	791.9	859.4	1190.2	1637.3	3311.8	5081.1	5150.9	5096.2	4722.4
62.5°	698.9	704.1	737.3	804.1	1061.7	1421.6	2991.5	5118.3	5260.8	5218.3	4871.2
65°	650.6	655.3	685.5	744.8	962.3	1280.9	2661.2	5061.4	5294.5	5246.2	4928.8
67.5°	586.7	593.1	616.9	670.4	832.0	1121.6	2169.9	4956.1	5146.8	5096.8	4810.8
70°	507.6	510.5	539.0	587.2	702.9	973.3	1701.8	4581.7	4854.4	4799.1	4478.2
72.5°	409.9	415.1	446.0	496.5	577.4	801.8	1215.8	3959.0	4484.0	4463.1	3993.8
75°	273.9	294.2	367.5	418.6	477.4	626.2	816.3	2778.7	4003.1	4019.4	3411.8
77.5°	52.3	54.1	154.1	229.1	279.1	382.6	505.3	1365.2	2638.5	2924.0	2572.8
80°	34.3	37.2	65.7	160.5	184.9	189.5	259.3	598.3	994.2	1257.6	1483.8
82.5°	18.0	21.5	39.5	93.0	84.9	47.1	84.9	308.7	551.2	633.2	748.3
85°	7.6	8.7	19.2	32.0	23.8	19.8	19.8	123.3	244.2	282.6	293.6
87.5°	1.2	1.2	4.1	5.8	3.5	2.3	1.7	0.6	0.6	0.6	0.6
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°	1255.9	1255.9	1255.9	1255.9	1255.9	1255.9	1255.9	1255.9	1255.9	1255.9	1255.9
2.5°	1251.2	1240.8	1226.2	1209.4	1197.2	1190.8	1185.5	1171.6	1166.9	1176.2	1173.9
5°	1256.5	1244.3	1211.1	1183.8	1156.5	1139.6	1121.0	1096.6	1086.1	1091.9	1090.2
7.5°	1260.0	1244.8	1195.4	1153.0	1107.0	1075.1	1050.6	1018.7	1003.0	1008.8	1001.8
10°	1265.2	1242.5	1176.8	1120.4	1060.5	1014.0	978.0	940.8	924.5	929.1	923.3
12.5°	1287.3	1250.7	1168.1	1092.5	1019.2	961.1	915.8	876.2	853.0	857.6	853.0
15°	1323.3	1266.9	1155.3	1057.0	975.6	909.4	857.0	811.7	784.9	791.3	785.5
17.5°	1361.1	1286.7	1143.7	1017.5	929.1	855.3	800.6	762.3	719.2	723.3	714.6
20°	1393.7	1305.3	1137.3	980.3	885.5	797.7	732.0	705.9	646.6	631.4	621.5
22.5°	1439.0	1332.6	1132.0	950.1	831.4	740.2	662.2	613.4	549.5	517.5	514.6
25°	1503.6	1373.3	1131.5	926.2	782.6	679.7	571.0	489.0	432.6	394.8	389.6
27.5°	1585.6	1427.4	1137.9	902.4	733.8	603.5	458.7	368.0	317.5	288.4	283.2
30°	1703.6	1498.3	1146.0	875.1	679.1	504.7	341.9	270.9	229.1	208.2	204.1
32.5°	1956.5	1680.3	1158.2	846.6	613.4	380.3	248.3	196.5	164.5	151.8	158.1
35°	2261.2	1927.4	1212.9	809.9	527.4	270.9	179.1	140.1	118.0	120.9	124.4
37.5°	2527.5	2163.5	1335.5	762.8	412.2	198.8	123.3	104.7	104.7	114.0	122.1
40°	2778.7	2376.3	1445.4	698.9	289.0	137.2	95.4	97.1	95.4	101.2	99.4
42.5°	3015.9	2578.1	1531.5	622.7	189.0	94.8	86.6	90.1	87.2	88.4	83.1
45°	3240.3	2786.8	1579.2	510.5	125.6	82.6	79.7	85.5	84.9	83.7	78.5
47.5°	3447.9	2970.5	1603.0	368.0	86.6	74.4	75.0	79.1	80.8	79.7	76.7
50°	3651.4	3153.7	1581.5	220.4	77.9	68.0	72.1	72.1	75.6	69.2	66.9
52.5°	3846.2	3337.4	1513.5	133.7	71.5	63.4	66.9	65.7	67.4	61.1	59.9
55°	4029.3	3474.0	1379.2	105.2	67.4	60.5	61.1	62.2	59.3	52.3	54.7
57.5°	4222.9	3590.3	1191.9	95.4	65.7	56.4	57.6	57.0	52.3	45.9	45.9
60°	4382.2	3674.6	1004.1	86.6	64.5	55.2	51.2	50.0	43.0	39.5	39.0
62.5°	4492.1	3698.5	821.0	77.3	61.1	51.2	45.9	42.4	36.0	32.6	31.4
65°	4500.9	3596.7	625.0	69.8	57.6	47.7	42.4	34.9	28.5	25.6	24.4
67.5°	4322.4	3314.2	440.7	64.0	51.7	44.2	37.2	27.9	22.7	20.4	19.8
70°	3949.1	2963.0	269.8	55.8	47.1	41.3	38.4	22.7	18.6	15.7	15.7
72.5°	3465.3	2566.4	158.1	47.7	39.5	33.1	25.6	19.2	15.7	12.2	12.2
75°	2969.9	2037.3	97.1	36.0	29.1	26.2	19.8	16.3	12.8	9.3	9.3
77.5°	2138.5	1504.2	75.6	23.3	18.0	18.6	14.5	12.8	10.5	7.6	7.6
80°	1312.3	915.8	54.1	15.7	10.5	10.5	10.5	9.9	7.6	6.4	5.8
82.5°	665.2	418.6	26.7	9.3	6.4	6.4	6.4	7.0	5.8	4.7	4.7
85°	233.7	117.4	8.1	4.7	4.1	4.1	3.5	3.5	2.9	2.3	2.3
87.5°	0.6	1.2	1.2	1.7	2.3	2.3	1.7	1.2	0.6	0.0	0.0
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)