

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: P233731

Luminaire Tested: **VERD-C01H-D-U-T3-7030-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233731
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1710-389-33)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-C01H-D-U-T3-7030-HSS
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 3000K, 1210mA LED AND TYPE III OPTIC WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7983 lumens
Efficiency: N/A
Efficacy: 109.4 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type III - Medium - Semi-Cutoff
BUG Rating: B1 - U0 - G2

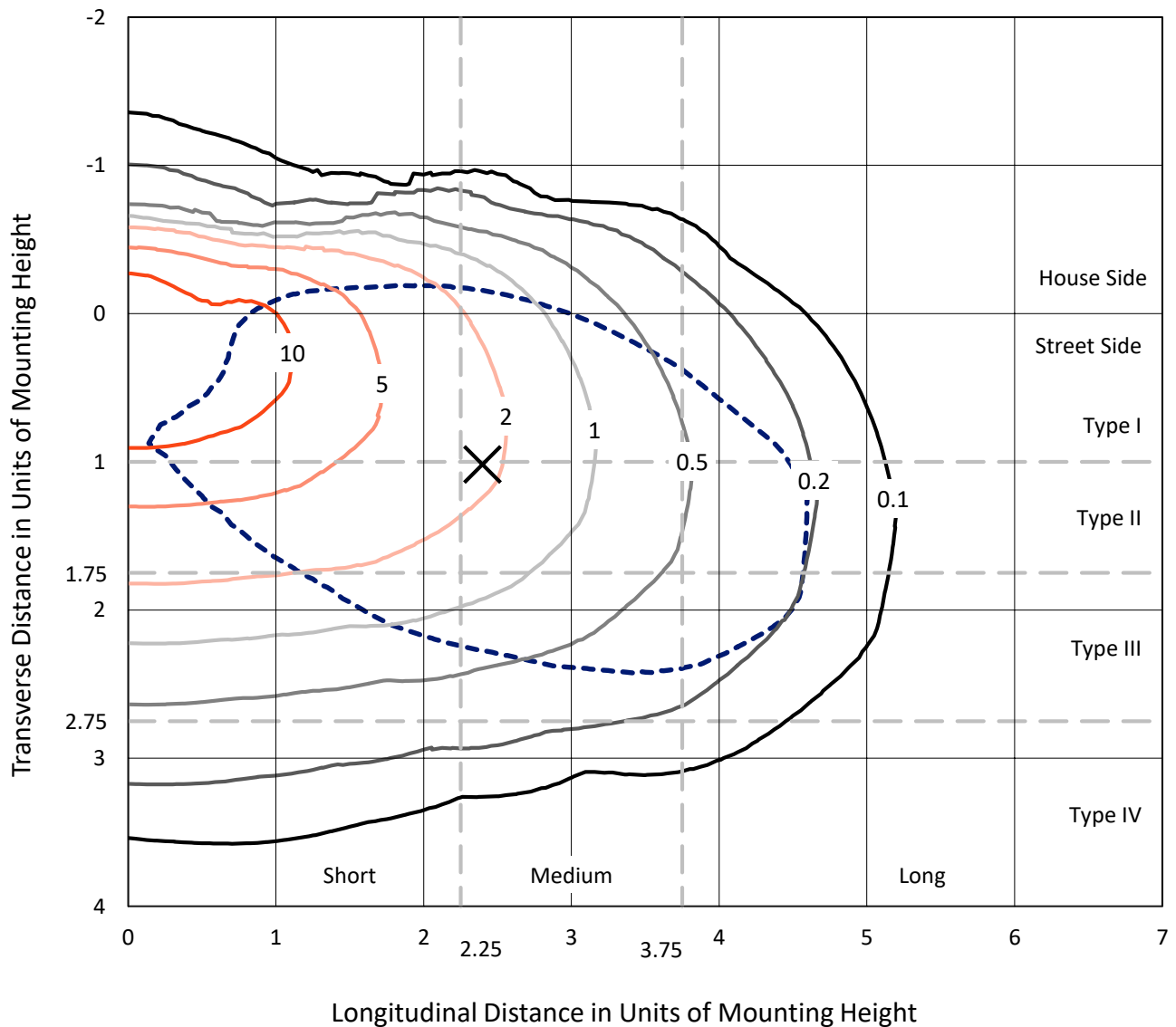
Input Watts (W): 73
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

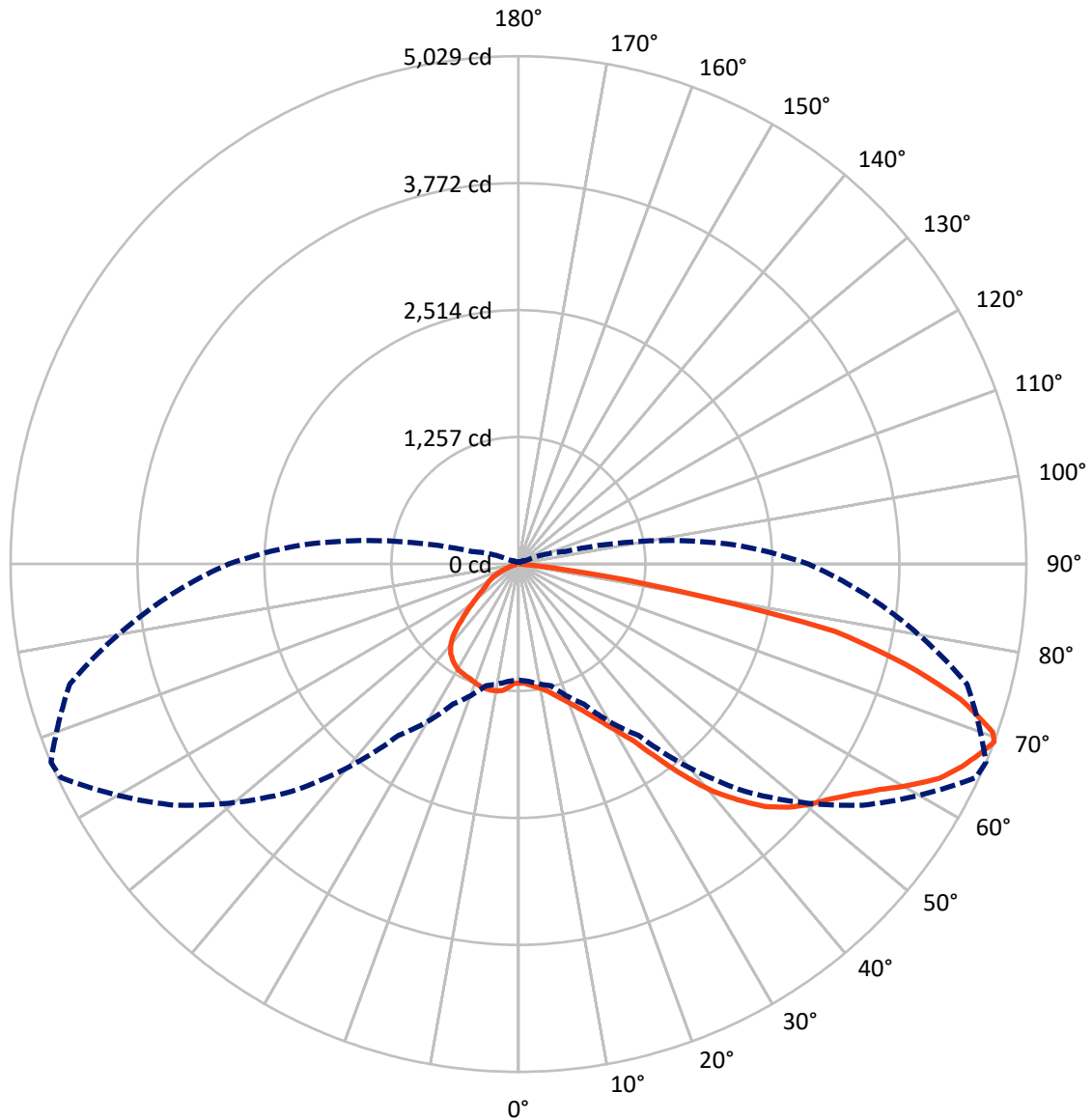


Based on 10 foot mounting height. Maximum calculated value = 14.5 fc
 Type III - Medium - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1439.1	0.0	1439.1
	% Fixture	18.0	0.0	18.0
Street Side	Lumens	6543.9	0.0	6543.9
	% Fixture	82.0	0.0	82.0
Total	Lumens	7983.0	0.0	7983.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.2	1.5
10°-20°	374.8	4.7
20°-30°	639.7	8.0
30°-40°	967.2	12.1
40°-50°	1366.4	17.1
50°-60°	1651.3	20.7
60°-70°	1742.4	21.8
70°-80°	1048.9	13.1
80°-90°	73.3	0.9
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°	7983.0	100.0
0°-180°	7983.0	100.0

Coefficient of Utilization



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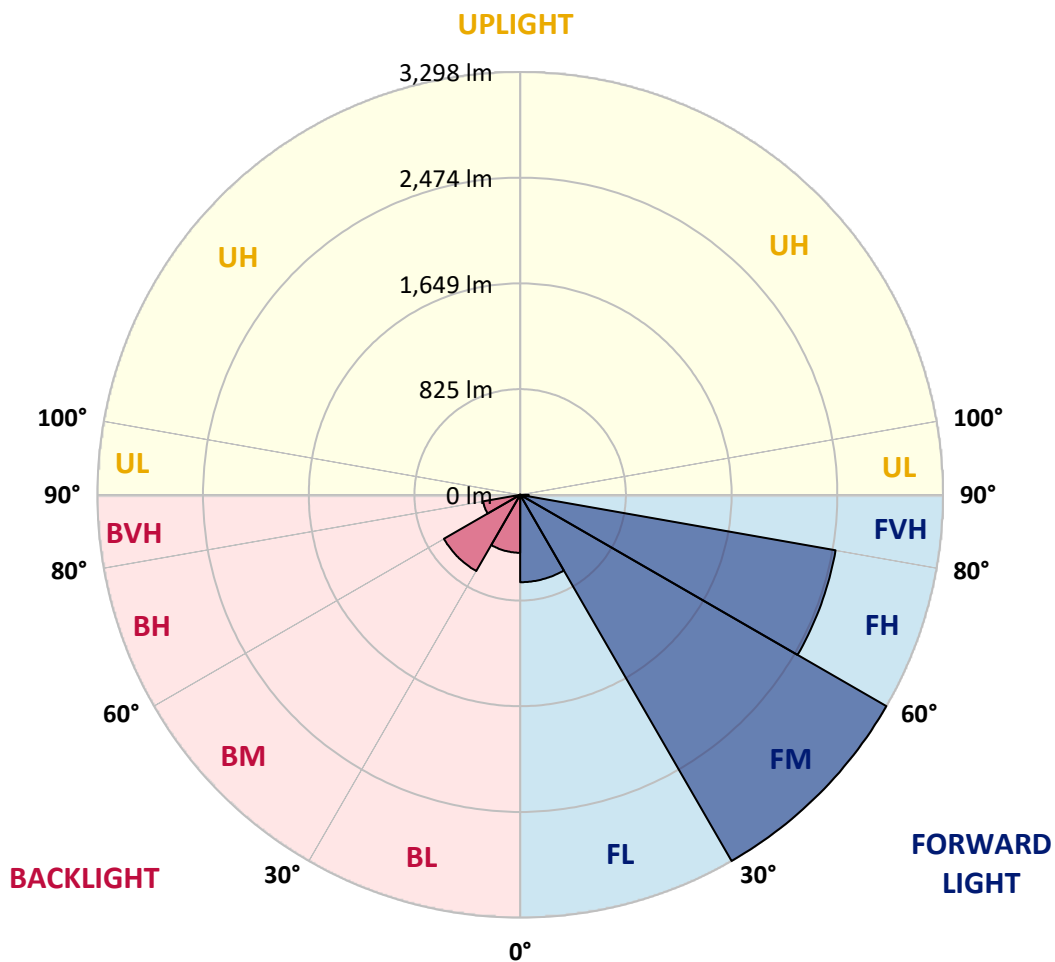
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	681.7	8.5			
FM	(30°-60°)	3298.1	41.3			
FH	(60°-80°)	2497.9	31.3			G2/5000
FVH	(80°-90°)	66.2	0.8			G1/100
BL	(0°-30°)	452.0	5.7	B1/500		
BM	(30°-60°)	686.6	8.6	B1/1000		
BH	(60°-80°)	293.4	3.7	B1/500		G1/500
BVH	(80°-90°)	7.1	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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6
2.5°	1211.1	1209.2	1209.2	1198.4	1188.2	1185.7	1185.0	1181.8	1182.5	1178.0	1173.6
5°	1246.1	1246.1	1244.8	1230.8	1220.0	1213.0	1208.6	1202.8	1203.5	1200.3	1196.5
7.5°	1298.9	1299.5	1297.0	1278.5	1267.7	1250.5	1240.4	1229.5	1228.9	1225.1	1226.4
10°	1363.8	1365.7	1361.8	1338.3	1319.9	1296.3	1274.7	1255.6	1254.4	1249.9	1253.7
12.5°	1436.9	1439.5	1429.9	1405.7	1384.7	1347.9	1321.8	1296.3	1292.5	1291.9	1294.4
15°	1520.9	1522.1	1519.0	1483.3	1457.9	1424.2	1381.6	1349.1	1345.3	1345.9	1342.8
17.5°	1614.4	1617.6	1610.6	1578.8	1545.0	1498.6	1447.7	1407.6	1405.7	1403.8	1389.8
20°	1713.6	1716.8	1712.3	1682.4	1642.4	1583.8	1521.5	1475.7	1475.1	1470.6	1438.2
22.5°	1825.6	1830.0	1827.5	1791.2	1748.6	1685.0	1607.4	1559.7	1558.4	1544.4	1495.4
25°	1947.0	1945.8	1948.3	1909.5	1869.4	1802.7	1706.6	1657.0	1657.0	1639.8	1567.3
27.5°	2064.7	2064.1	2068.5	2041.2	1999.2	1936.2	1820.5	1770.2	1774.7	1749.9	1653.8
30°	2179.2	2179.2	2190.0	2172.2	2141.0	2074.9	1961.7	1908.9	1914.6	1888.5	1763.2
32.5°	2286.1	2291.2	2309.6	2298.8	2275.3	2215.5	2118.8	2070.4	2083.8	2094.6	1966.8
35°	2364.9	2370.0	2412.7	2416.5	2410.7	2370.7	2298.8	2330.0	2345.9	2431.1	2288.6
37.5°	2434.3	2440.6	2491.5	2523.3	2541.8	2517.0	2521.4	2625.7	2655.6	2756.1	2563.4
40°	2485.2	2499.2	2549.4	2593.3	2658.2	2687.4	2760.0	2908.2	2956.5	2996.6	2752.3
42.5°	2450.2	2459.7	2548.1	2665.8	2760.6	2863.6	2981.3	3157.5	3193.8	3181.0	2919.0
45°	2398.7	2410.1	2503.0	2684.9	2842.0	3047.5	3191.2	3382.0	3423.4	3352.8	3062.7
47.5°	2340.8	2356.7	2457.2	2659.5	2910.1	3216.7	3381.4	3574.8	3598.9	3506.1	3183.6
50°	2282.3	2300.1	2413.9	2638.5	2962.9	3357.9	3520.1	3731.9	3738.9	3633.3	3292.4
52.5°	2203.4	2221.8	2346.5	2594.6	2999.8	3450.7	3641.6	3861.0	3865.5	3770.7	3395.4
55°	2103.5	2127.1	2258.7	2529.7	3008.7	3504.8	3718.5	3995.2	4025.1	3919.5	3480.0
57.5°	1985.8	2007.5	2152.5	2436.2	2964.1	3523.2	3826.0	4172.7	4214.0	4070.3	3550.0
60°	1850.4	1875.2	2020.8	2315.3	2874.4	3574.8	4004.1	4423.3	4448.1	4228.0	3611.7
62.5°	1711.7	1729.5	1861.8	2145.5	2734.5	3605.9	4161.9	4658.7	4675.2	4380.1	3648.6
65°	1514.5	1536.8	1665.9	1950.9	2532.9	3546.1	4222.3	4819.6	4829.8	4507.3	3630.7
67.5°	1300.1	1318.0	1412.1	1716.1	2268.3	3356.6	4197.5	4927.1	4959.5	4606.5	3550.0
69°	1148.1	1165.9	1247.4	1528.5	2071.7	3188.7	4162.5	5000.2	5028.9	4599.5	3446.9
70°	1029.8	1047.6	1124.6	1388.6	1917.8	3046.8	4107.2	4963.3	4981.8	4521.3	3346.4
72.5°	736.6	754.4	817.4	976.4	1452.8	2504.2	3764.3	4553.7	4578.5	4145.3	2990.9
75°	385.5	428.1	541.3	631.0	860.6	1763.2	3129.5	3916.3	3952.6	3637.7	2459.7
77.5°	49.6	52.2	152.7	256.3	355.6	743.6	2223.1	3144.8	3202.0	2911.3	1700.9
80°	40.1	40.7	52.8	127.9	176.8	301.5	788.7	1471.9	1541.2	1293.8	625.3
82.5°	28.0	29.3	41.3	67.4	57.9	110.0	274.2	416.0	428.7	370.8	249.3
85°	15.9	15.9	19.7	26.1	18.4	41.3	56.6	60.4	54.1	53.4	40.1
87.5°	4.5	5.1	5.7	4.5	1.9	1.9	2.5	2.5	2.5	1.9	1.9
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°	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6
2.5°	1180.6	1179.3	1179.9	1182.5	1186.3	1200.3	1209.8	1211.1	1215.5	1232.1	1230.2
5°	1200.9	1208.6	1213.0	1226.4	1235.3	1254.4	1265.8	1267.1	1273.4	1290.6	1291.2
7.5°	1229.5	1242.3	1248.6	1263.9	1267.1	1276.0	1279.2	1276.0	1276.6	1291.9	1293.2
10°	1254.4	1270.3	1270.3	1274.1	1268.3	1269.0	1258.8	1249.3	1244.2	1257.5	1260.7
12.5°	1292.5	1297.0	1286.8	1275.3	1258.2	1242.9	1225.7	1210.5	1198.4	1206.0	1201.6
15°	1332.0	1325.0	1300.1	1270.3	1239.7	1213.6	1178.0	1155.8	1134.8	1139.2	1135.4
17.5°	1371.4	1348.5	1309.7	1260.1	1215.5	1165.9	1116.3	1081.3	1043.2	1040.0	1034.3
20°	1409.6	1376.5	1312.2	1239.1	1176.7	1106.8	1029.8	970.0	913.4	898.8	889.2
22.5°	1455.4	1407.6	1315.4	1218.7	1134.8	1039.4	923.0	830.1	769.0	748.7	739.1
25°	1513.9	1450.9	1324.3	1203.5	1092.2	956.0	796.4	690.1	624.0	589.0	585.8
27.5°	1583.2	1503.1	1339.6	1183.7	1031.7	844.7	665.3	554.7	484.1	448.4	437.0
30°	1674.2	1567.9	1353.6	1168.5	946.5	723.2	527.9	404.5	320.6	297.7	285.6
32.5°	1846.5	1673.5	1371.4	1132.9	846.0	590.3	374.0	249.3	192.1	176.8	176.8
35°	2127.1	1905.7	1415.9	1083.9	725.1	430.0	224.5	139.9	114.5	105.6	101.1
37.5°	2380.2	2139.8	1527.2	1008.2	578.2	254.4	128.5	86.5	78.2	79.5	79.5
40°	2559.0	2300.1	1650.0	905.8	392.5	136.1	81.4	69.3	70.6	71.2	71.2
42.5°	2712.2	2436.8	1717.4	784.3	213.7	88.4	70.0	63.0	64.9	64.2	63.6
45°	2840.7	2548.1	1739.7	617.0	103.7	78.2	63.6	57.9	57.9	57.2	57.2
47.5°	2950.8	2646.7	1698.3	458.6	84.0	71.9	60.4	53.4	52.8	56.0	56.0
50°	3051.3	2723.1	1595.3	347.3	81.4	66.2	57.2	49.6	50.3	54.7	54.7
52.5°	3135.2	2768.2	1442.6	260.2	75.7	61.1	52.8	46.4	46.4	50.9	50.9
55°	3197.6	2768.2	1326.2	194.6	72.5	56.0	49.0	44.5	42.0	43.3	43.9
57.5°	3228.7	2716.1	1232.7	157.7	68.7	50.9	45.2	38.8	34.3	35.6	35.0
60°	3220.5	2686.2	1125.2	140.6	64.2	47.1	40.1	33.1	28.6	27.4	27.4
62.5°	3205.2	2652.5	991.0	122.1	59.8	43.9	33.1	26.7	24.2	22.9	23.5
65°	3147.3	2543.0	821.2	101.8	55.3	42.6	28.0	23.5	21.0	19.7	19.7
67.5°	3007.4	2345.9	620.8	85.9	51.5	34.3	24.2	20.4	17.8	16.5	16.5
69°	2868.7	2157.6	476.4	78.2	49.0	31.2	22.3	18.4	16.5	14.6	14.6
70°	2749.1	2011.9	373.4	73.1	47.1	29.9	21.6	17.8	15.9	14.0	14.0
72.5°	2340.8	1595.9	189.6	63.6	39.4	26.1	19.1	15.9	13.4	11.4	11.4
75°	1816.0	1099.8	125.3	50.3	30.5	23.5	17.2	14.0	11.4	9.5	8.9
77.5°	1092.8	430.0	89.7	32.4	19.7	18.4	14.0	11.4	9.5	7.6	7.6
80°	301.5	184.5	60.4	21.6	11.4	12.1	10.2	8.3	7.0	5.7	5.7
82.5°	181.3	119.6	40.1	14.0	7.6	7.6	5.7	5.7	4.5	4.5	4.5
85°	31.2	24.2	9.5	5.7	4.5	4.5	3.2	1.9	1.9	1.9	1.9
87.5°	1.9	1.9	1.9	2.5	2.5	1.9	1.3	0.6	0.0	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)