

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: P233771

Luminaire Tested: **VERD-C026-D-U-T4-8027-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233771
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1710-389-34)
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-T4-8027-HSS
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 80 CRI, 2700K, 790mA LEDS AND TYPE IV OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7257 lumens
Efficiency: N/A
Efficacy: 117.0 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G3

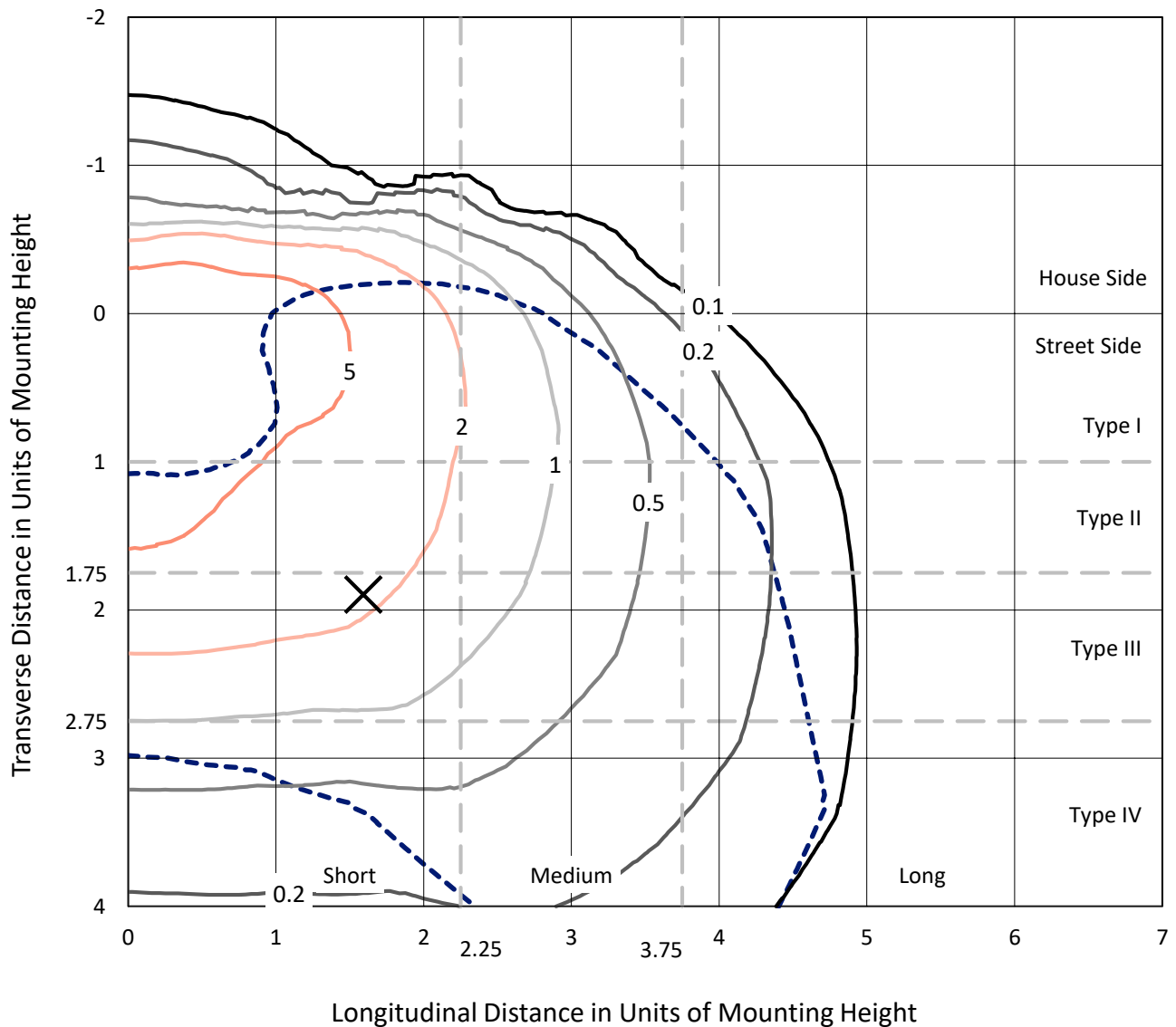
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P233771
 CATALOG NUMBER: VERD-C026-D-U-T4-8027-HSS

Iso-Footcandle Lines of Horizontal Illumination

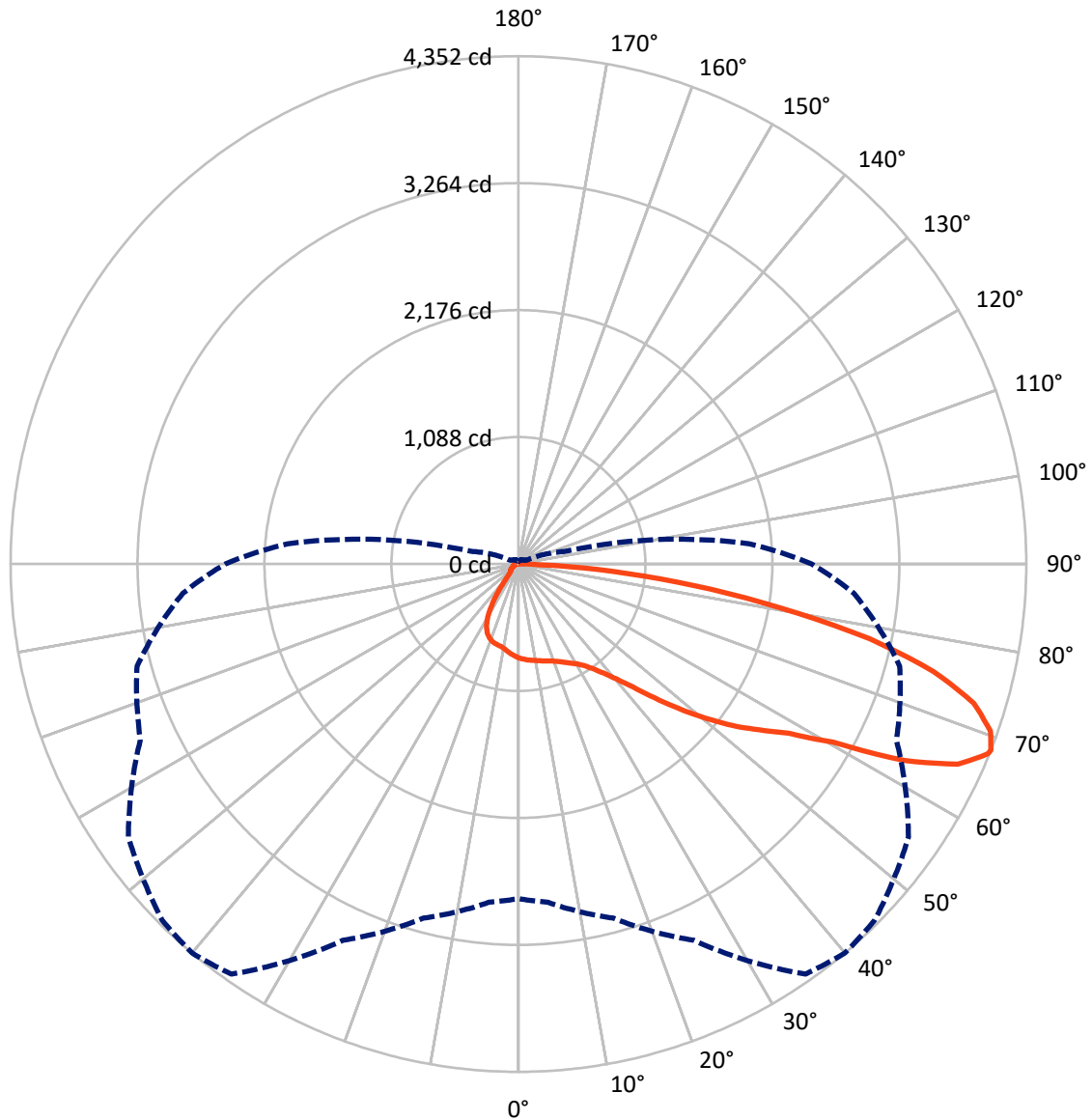
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.7 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P233771
CATALOG NUMBER: VERD-C026-D-U-T4-8027-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical



REPORT NUMBER: P233771

CATALOG NUMBER: VERD-C026-D-U-T4-8027-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1177.2	0.0	1177.2
	% Fixture	16.2	0.0	16.2
Street Side	Lumens	6079.8	0.0	6079.8
	% Fixture	83.8	0.0	83.8
Total	Lumens	7257.0	0.0	7257.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.5	1.1
10°-20°	229.1	3.2
20°-30°	384.6	5.3
30°-40°	569.5	7.8
40°-50°	963.5	13.3
50°-60°	1470.5	20.3
60°-70°	1925.5	26.5
70°-80°	1384.3	19.1
80°-90°	253.4	3.5
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°	7257.0	100.0
0°-180°	7257.0	100.0

Coefficient of Utilization



REPORT NUMBER: P233771

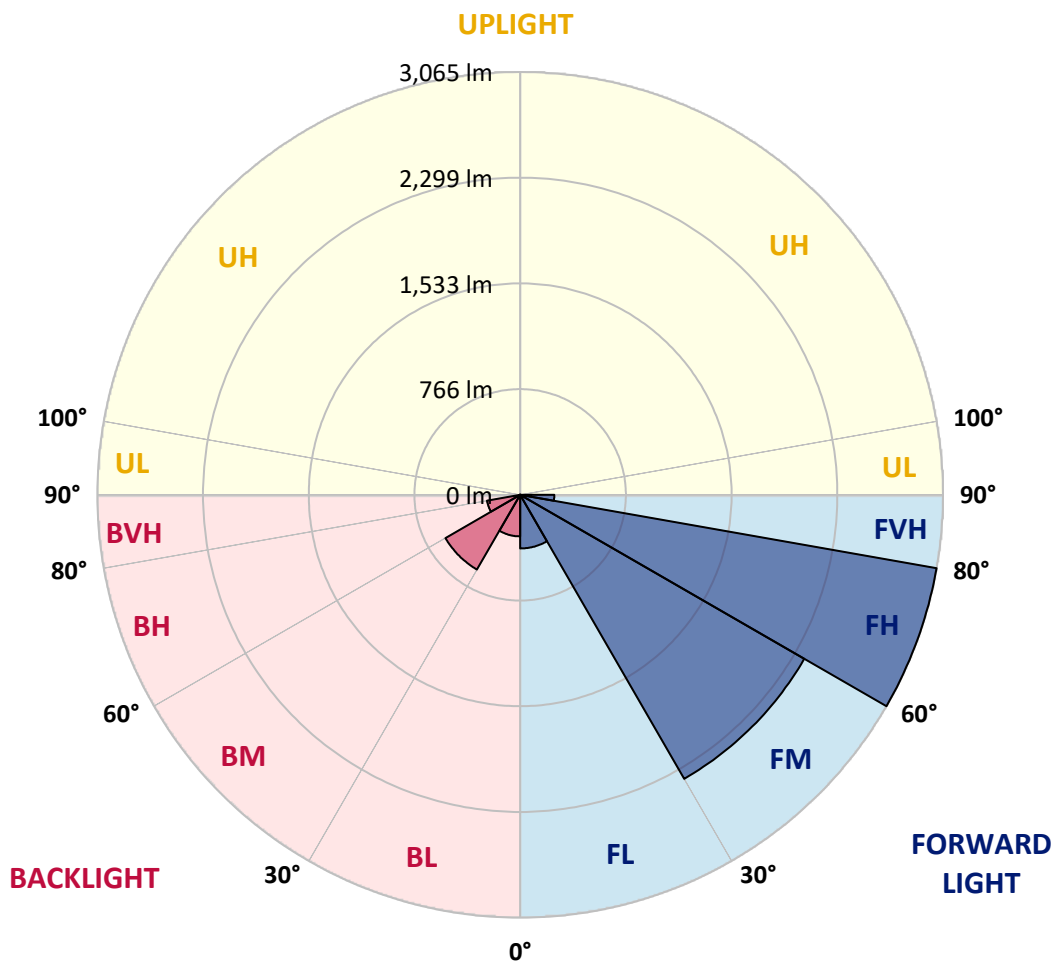
CATALOG NUMBER: VERD-C026-D-U-T4-8027-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	389.0	5.4			
FM	(30°-60°)	2377.9	32.8			
FH	(60°-80°)	3065.5	42.2			G2/5000
FVH	(80°-90°)	247.4	3.4			G3/500
BL	(0°-30°)	301.2	4.2	B1/500		
BM	(30°-60°)	625.7	8.6	B1/1000		
BH	(60°-80°)	244.3	3.4	B1/500		G1/500
BVH	(80°-90°)	6.0	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-G3

Type IV Short





REPORT NUMBER: P233771

CATALOG NUMBER: VERD-C026-D-U-T4-8027-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	806.4	806.4	806.4	806.4	806.4	806.4	806.4	806.4	806.4	806.4	806.4
2.5°	831.9	833.7	831.3	825.2	818.5	814.9	814.3	813.7	810.6	806.4	800.3
5°	840.4	841.0	838.6	833.7	827.7	826.4	824.6	825.2	823.4	819.2	812.5
7.5°	844.1	845.3	842.2	837.4	832.5	832.5	831.9	833.7	832.5	830.7	822.8
10°	842.9	844.7	842.9	841.0	839.2	841.0	839.8	844.1	844.7	844.7	835.6
12.5°	841.0	843.5	844.1	845.9	848.9	850.8	853.2	862.3	866.6	869.6	862.3
15°	842.9	844.1	848.9	852.0	858.0	862.3	867.8	883.0	890.3	898.8	895.1
17.5°	850.8	853.8	861.1	864.1	870.2	873.2	879.9	898.8	913.3	928.5	931.0
20°	867.8	869.6	881.7	883.0	886.0	889.0	896.3	917.0	938.9	960.7	966.8
22.5°	886.6	890.9	902.4	900.6	906.7	907.9	914.6	937.0	967.4	994.2	1007.5
25°	906.1	909.7	921.2	922.5	929.8	934.6	942.5	964.4	1003.3	1037.3	1061.0
27.5°	922.5	929.8	940.7	941.9	955.9	962.0	973.5	998.4	1045.2	1087.1	1126.0
30°	952.8	954.7	965.0	968.6	987.5	993.0	1006.3	1037.9	1095.0	1147.3	1208.1
32.5°	990.5	989.9	999.6	1005.7	1028.8	1038.5	1055.5	1092.0	1155.2	1220.2	1306.5
35°	1059.8	1053.7	1059.8	1065.9	1092.6	1102.9	1121.2	1175.9	1250.0	1360.6	1466.9
37.5°	1219.0	1209.9	1197.1	1166.7	1173.4	1186.8	1213.5	1287.7	1397.1	1602.5	1705.2
40°	1494.9	1474.8	1421.4	1341.2	1293.8	1295.0	1319.9	1417.1	1577.5	1879.6	1956.7
42.5°	1744.7	1730.7	1666.3	1556.3	1446.9	1440.8	1449.3	1563.0	1774.4	2136.6	2176.7
45°	1979.8	1986.5	1892.9	1806.6	1676.0	1635.9	1625.5	1718.5	1992.6	2365.7	2369.3
47.5°	2197.4	2208.3	2095.3	2013.9	1885.0	1850.4	1818.2	1882.0	2198.6	2560.8	2531.0
50°	2431.3	2439.8	2283.1	2216.2	2108.0	2075.8	2051.5	2079.5	2409.5	2741.9	2675.0
52.5°	2754.6	2707.2	2510.3	2399.7	2303.7	2301.3	2282.5	2300.1	2649.5	2904.7	2784.4
55°	3136.2	3012.3	2803.2	2626.4	2503.0	2509.7	2487.2	2516.4	2887.1	3044.5	2885.9
57.5°	3271.1	3268.1	3170.9	3001.3	2751.0	2735.8	2696.9	2729.7	3092.5	3175.1	2957.6
60°	3458.3	3474.7	3485.7	3383.6	3238.9	3101.0	2971.0	2967.9	3283.9	3294.2	2992.8
62.5°	3579.2	3594.4	3679.5	3666.1	3755.5	3709.9	3561.6	3232.9	3430.4	3371.4	3006.2
65°	3353.2	3390.9	3605.4	3768.8	4073.3	4137.1	4115.8	3640.0	3530.0	3393.9	2981.3
67.5°	2944.2	2993.4	3228.6	3610.8	4270.2	4341.3	4302.4	4050.2	3573.2	3384.2	2912.6
68°	2867.6	2910.2	3141.1	3558.0	4290.2	4352.2	4317.0	4080.6	3575.0	3383.0	2886.5
70°	2499.4	2534.0	2759.5	3286.9	4234.3	4292.1	4287.2	4109.1	3559.2	3345.3	2710.9
72.5°	1939.1	1973.7	2173.7	2726.1	3976.1	4081.8	4077.5	3994.9	3530.0	3153.3	2272.7
75°	1401.9	1440.2	1622.5	2094.7	3440.7	3673.4	3720.2	3799.2	3226.8	2653.7	1617.0
77.5°	1012.4	1040.4	1197.7	1582.4	2810.5	3076.7	3171.5	3251.1	2641.0	1934.2	769.3
80°	675.1	695.2	847.1	1176.5	2117.2	2273.9	2376.0	2243.0	1502.8	699.4	83.3
82.5°	415.7	428.4	548.1	825.2	1464.5	1513.7	1514.3	1196.5	484.3	66.8	45.0
85°	223.0	227.3	297.8	450.3	773.6	810.6	796.1	502.6	97.8	35.9	24.3
87.5°	35.9	38.9	93.6	168.9	238.8	184.1	117.9	37.1	9.7	5.5	3.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P233771

CATALOG NUMBER: VERD-C026-D-U-T4-8027-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	806.4	806.4	806.4	806.4	806.4	806.4	806.4	806.4	806.4	806.4	806.4
2.5°	803.4	801.5	796.7	794.2	788.2	790.0	790.0	785.1	787.6	797.3	796.1
5°	810.6	811.3	799.7	793.6	780.3	776.6	771.1	763.9	763.2	769.9	770.5
7.5°	816.7	819.8	803.4	791.2	773.0	760.2	749.3	736.5	733.5	737.7	737.7
10°	826.4	829.5	808.8	791.8	765.1	744.4	725.6	709.2	702.5	702.5	703.1
12.5°	852.0	850.1	826.4	800.3	768.7	735.9	706.1	684.2	668.4	667.8	665.4
15°	887.2	880.5	857.4	817.9	777.2	735.3	694.0	659.9	632.6	625.3	622.3
17.5°	924.9	916.4	888.4	840.4	790.6	734.7	680.0	632.6	587.0	569.4	563.9
20°	965.6	955.3	926.7	866.6	804.0	730.4	659.3	593.1	531.1	497.7	489.2
22.5°	1010.6	1002.1	967.4	893.3	813.1	721.3	627.1	543.3	464.3	416.3	412.6
25°	1068.9	1061.0	1010.0	917.0	813.7	704.3	584.6	479.5	380.4	323.9	312.3
27.5°	1138.8	1124.8	1044.0	931.6	804.0	674.5	529.3	394.4	282.6	235.2	234.0
30°	1214.8	1189.2	1071.3	935.2	782.1	627.1	453.3	289.9	200.5	168.3	168.3
32.5°	1304.1	1257.3	1099.3	929.1	746.2	561.5	347.0	201.1	137.9	122.8	122.8
35°	1434.7	1362.4	1135.1	914.0	695.8	471.0	246.7	133.1	108.8	107.0	107.0
37.5°	1641.3	1521.0	1183.8	888.4	626.5	359.1	160.4	102.7	103.9	103.9	103.3
40°	1861.3	1704.5	1250.6	847.7	539.6	247.9	105.1	97.2	99.1	100.3	99.7
42.5°	2060.0	1879.0	1323.5	793.0	436.9	156.2	96.0	93.6	92.4	93.6	94.2
45°	2232.0	2030.3	1397.1	721.9	322.7	102.1	93.6	88.1	84.5	85.1	85.7
47.5°	2379.1	2149.4	1446.9	647.2	213.9	90.5	90.5	80.8	77.2	77.2	77.2
50°	2507.9	2255.1	1477.3	557.9	127.6	89.3	85.1	74.1	70.5	69.9	70.5
52.5°	2601.5	2329.2	1473.6	449.1	85.7	86.3	77.8	68.1	63.8	65.0	65.6
55°	2675.6	2376.0	1441.4	328.8	80.2	80.8	72.3	61.4	58.3	58.9	58.9
57.5°	2722.4	2387.6	1375.8	213.9	78.4	72.3	65.0	54.7	51.0	51.0	51.0
60°	2737.6	2381.5	1286.5	136.7	77.8	65.0	58.9	49.2	45.6	45.6	45.6
62.5°	2724.8	2346.3	1135.1	98.4	72.3	60.8	53.5	43.8	40.1	38.9	38.9
65°	2679.3	2252.1	875.1	81.4	65.0	55.9	48.6	39.5	34.6	32.8	32.2
67.5°	2546.2	2047.9	509.2	76.6	58.9	51.0	45.0	35.9	30.4	27.3	26.7
68°	2511.5	1987.1	418.7	76.0	58.9	50.4	44.4	34.6	29.2	26.1	25.5
70°	2263.6	1603.1	120.3	72.3	57.7	48.6	40.7	31.6	26.1	22.5	21.9
72.5°	1704.5	939.5	75.4	64.4	57.1	43.1	39.5	31.6	23.1	19.4	18.2
75°	951.6	213.9	63.8	48.0	53.5	42.5	38.9	28.6	20.7	15.8	15.2
77.5°	195.7	62.0	54.7	33.4	40.7	37.1	32.8	24.3	18.8	12.2	11.5
80°	55.3	46.2	48.6	24.3	23.1	26.1	24.3	21.3	14.0	9.1	9.1
82.5°	35.9	34.0	43.8	16.4	12.2	12.2	15.8	12.8	12.2	7.3	7.3
85°	21.9	28.6	21.3	7.3	6.1	4.9	5.5	5.5	7.3	4.9	4.9
87.5°	3.0	3.0	3.0	3.0	3.0	2.4	1.8	1.8	1.8	2.4	2.4
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)