

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: P233784

Luminaire Tested: **VERD-C026-D-U-T4-7030-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233784
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-T4-7030-HSS
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 790mA LEDS AND TYPE IV OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8014 lumens
Efficiency: N/A
Efficacy: 129.3 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

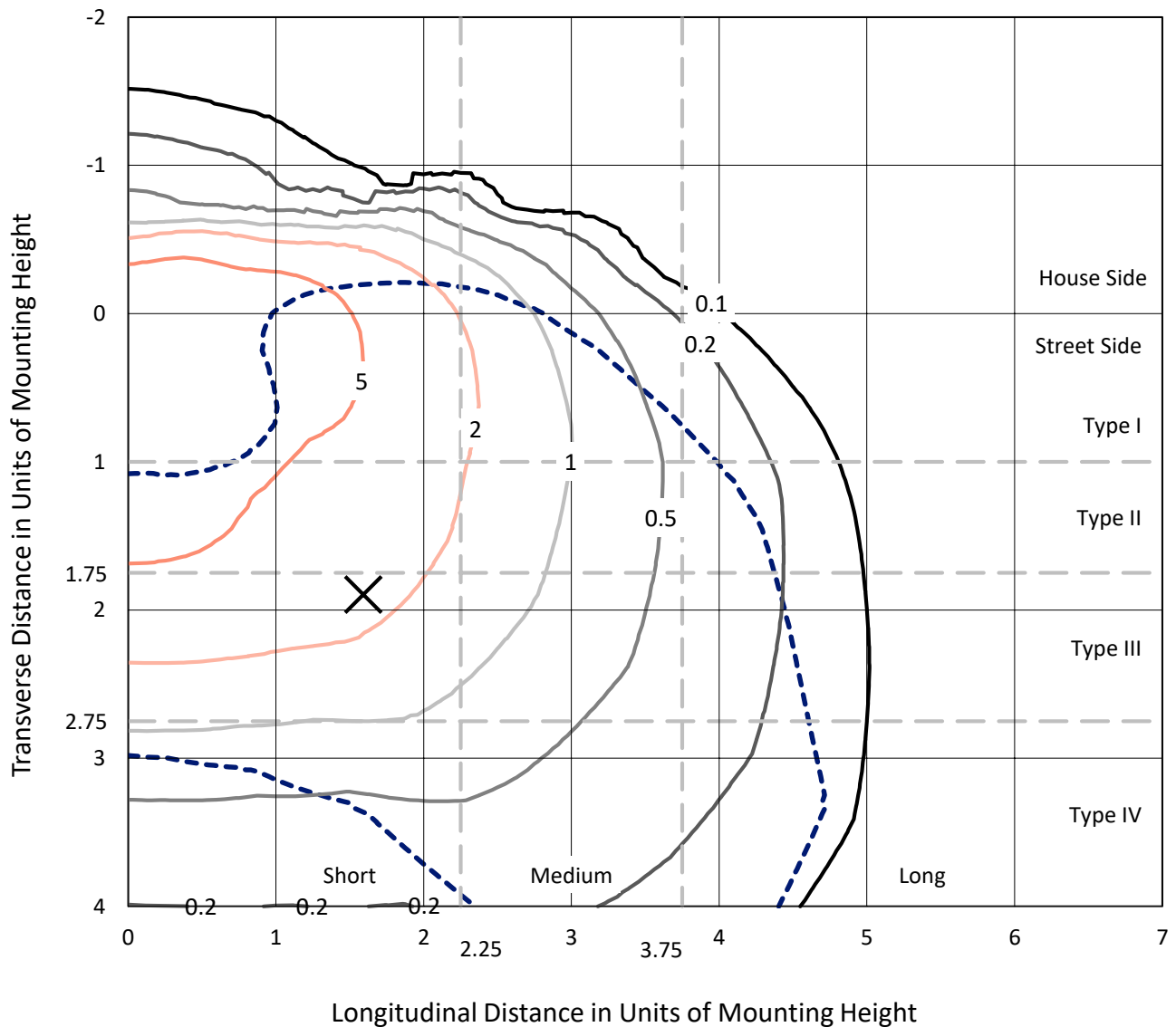
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

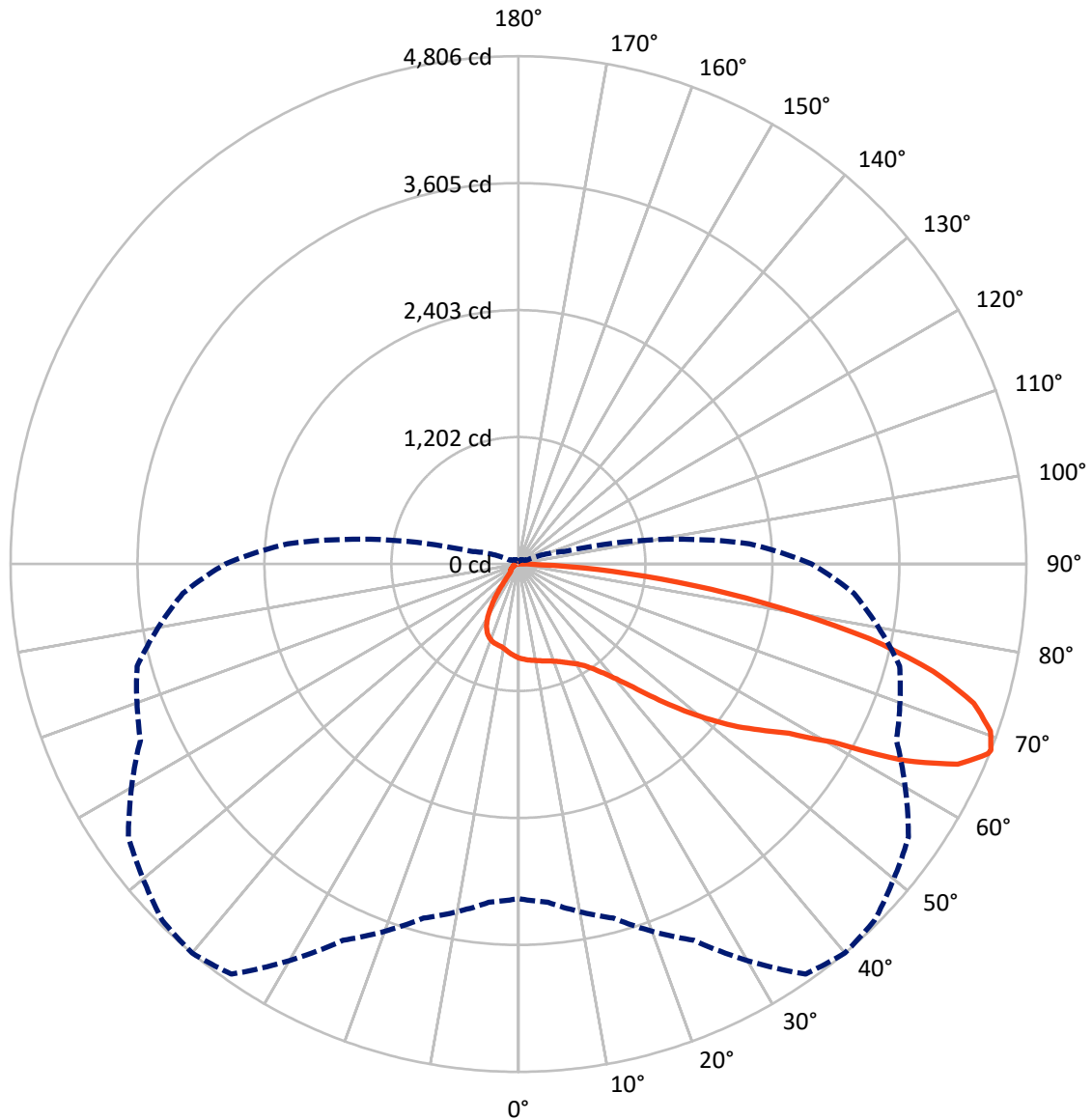


Based on 10 foot mounting height. Maximum calculated value = 9.6 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1300.0	0.0	1300.0
	% Fixture	16.2	0.0	16.2
Street Side	Lumens	6714.0	0.0	6714.0
	% Fixture	83.8	0.0	83.8
Total	Lumens	8014.0	0.0	8014.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.5	1.1
10°-20°	253.0	3.2
20°-30°	424.7	5.3
30°-40°	629.0	7.8
40°-50°	1064.0	13.3
50°-60°	1623.9	20.3
60°-70°	2126.3	26.5
70°-80°	1528.7	19.1
80°-90°	279.8	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°	8014.0	100.0
0°-180°	8014.0	100.0

Coefficient of Utilization



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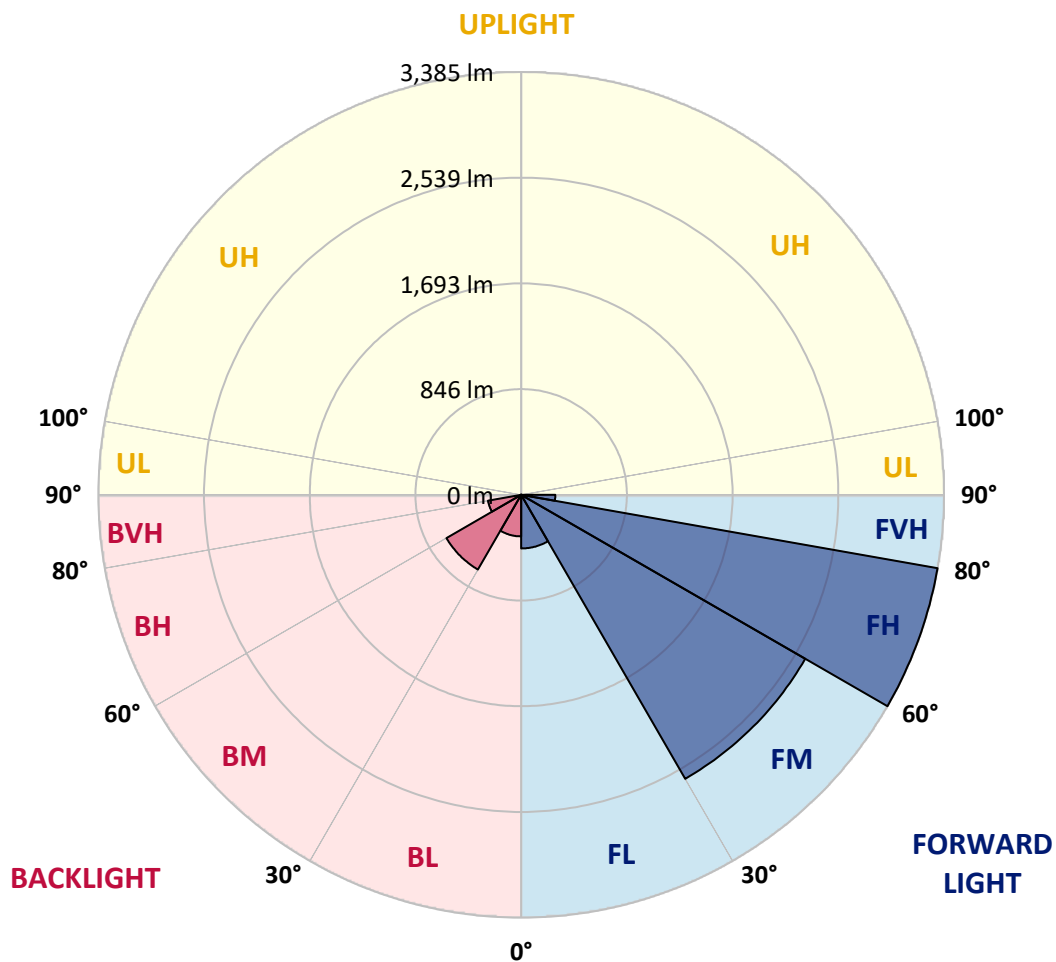
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	429.6	5.4			
FM	(30°-60°)	2625.9	32.8			
FH	(60°-80°)	3385.2	42.2			G2/5000
FVH	(80°-90°)	273.2	3.4			G3/500
BL	(0°-30°)	332.6	4.2	B1/500		
BM	(30°-60°)	691.0	8.6	B1/1000		
BH	(60°-80°)	269.8	3.4	B1/500		G1/500
BVH	(80°-90°)	6.7	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	890.5	890.5	890.5	890.5	890.5	890.5	890.5	890.5	890.5	890.5	890.5
2.5°	918.7	920.7	918.0	911.3	903.9	899.9	899.2	898.6	895.2	890.5	883.8
5°	928.1	928.8	926.1	920.7	914.0	912.7	910.6	911.3	909.3	904.6	897.2
7.5°	932.1	933.5	930.1	924.7	919.4	919.4	918.7	920.7	919.4	917.4	908.6
10°	930.8	932.8	930.8	928.8	926.7	928.8	927.4	932.1	932.8	932.8	922.7
12.5°	928.8	931.4	932.1	934.1	937.5	939.5	942.2	952.2	956.9	960.3	952.2
15°	930.8	932.1	937.5	940.8	947.6	952.2	958.3	975.1	983.1	992.5	988.5
17.5°	939.5	942.9	950.9	954.3	961.0	964.3	971.7	992.5	1008.6	1025.4	1028.1
20°	958.3	960.3	973.7	975.1	978.4	981.8	989.8	1012.6	1036.8	1061.0	1067.7
22.5°	979.1	983.8	996.5	994.5	1001.2	1002.6	1010.0	1034.8	1068.3	1097.9	1112.6
25°	1000.6	1004.6	1017.3	1018.7	1026.7	1032.1	1040.8	1065.0	1107.9	1145.5	1171.7
27.5°	1018.7	1026.7	1038.8	1040.2	1055.6	1062.3	1075.1	1102.6	1154.2	1200.5	1243.5
30°	1052.2	1054.3	1065.7	1069.7	1090.5	1096.5	1111.3	1146.2	1209.3	1267.0	1334.1
32.5°	1093.8	1093.2	1103.9	1110.6	1136.1	1146.9	1165.6	1205.9	1275.7	1347.5	1442.8
35°	1170.3	1163.6	1170.3	1177.1	1206.6	1218.0	1238.1	1298.5	1380.4	1502.5	1620.0
37.5°	1346.2	1336.1	1322.0	1288.5	1295.8	1310.6	1340.1	1422.0	1542.8	1769.6	1883.0
40°	1650.8	1628.7	1569.6	1481.1	1428.7	1430.1	1457.6	1564.9	1742.1	2075.6	2160.8
42.5°	1926.6	1911.2	1840.1	1718.6	1597.8	1591.1	1600.5	1726.0	1959.5	2359.5	2403.8
45°	2186.3	2193.7	2090.4	1995.1	1850.8	1806.5	1795.1	1897.8	2200.4	2612.5	2616.5
47.5°	2426.6	2438.7	2313.9	2223.9	2081.7	2043.4	2007.8	2078.3	2427.9	2827.9	2795.0
50°	2685.0	2694.3	2521.2	2447.4	2327.9	2292.4	2265.5	2296.4	2660.8	3027.9	2954.1
52.5°	3042.0	2989.6	2772.2	2650.1	2544.0	2541.3	2520.5	2540.0	2925.9	3207.7	3074.8
55°	3463.4	3326.5	3095.6	2900.4	2764.1	2771.5	2746.7	2778.9	3188.3	3362.1	3186.9
57.5°	3612.4	3609.0	3501.6	3314.4	3037.9	3021.2	2978.2	3014.4	3415.1	3506.3	3266.1
60°	3819.1	3837.2	3849.3	3736.5	3576.8	3424.5	3280.9	3277.5	3626.5	3637.9	3305.0
62.5°	3952.6	3969.4	4063.3	4048.6	4147.2	4096.9	3933.1	3570.1	3788.2	3723.1	3319.8
65°	3703.0	3744.6	3981.5	4162.0	4498.2	4568.6	4545.2	4019.7	3898.2	3747.9	3292.3
67.5°	3251.3	3305.7	3565.4	3987.5	4715.6	4794.1	4751.2	4472.7	3945.9	3737.2	3216.4
68°	3166.8	3213.8	3468.8	3929.1	4737.8	4806.2	4767.3	4506.2	3947.9	3735.8	3187.6
70°	2760.1	2798.4	3047.3	3629.8	4676.0	4739.8	4734.4	4537.8	3930.5	3694.2	2993.6
72.5°	2141.4	2179.6	2400.4	3010.4	4390.8	4507.6	4502.9	4411.6	3898.2	3482.2	2509.8
75°	1548.2	1590.4	1791.8	2313.2	3799.6	4056.6	4108.3	4195.5	3563.4	2930.6	1785.7
77.5°	1118.0	1148.9	1322.7	1747.5	3103.7	3397.6	3502.3	3590.2	2916.5	2136.0	849.6
80°	745.6	767.7	935.5	1299.2	2338.0	2511.1	2623.9	2476.9	1659.6	772.4	91.9
82.5°	459.0	473.1	605.3	911.3	1617.3	1671.6	1672.3	1321.3	534.8	73.8	49.7
85°	246.3	251.0	328.8	497.3	854.3	895.2	879.1	555.0	108.0	39.6	26.8
87.5°	39.6	42.9	103.3	186.6	263.7	203.3	130.2	40.9	10.7	6.0	4.0
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°	890.5	890.5	890.5	890.5	890.5	890.5	890.5	890.5	890.5	890.5	890.5
2.5°	887.2	885.1	879.8	877.1	870.4	872.4	872.4	867.0	869.7	880.4	879.1
5°	895.2	895.9	883.1	876.4	861.7	857.6	851.6	843.5	842.9	850.2	850.9
7.5°	901.9	905.3	887.2	873.7	853.6	839.5	827.4	813.3	810.0	814.7	814.7
10°	912.7	916.0	893.2	874.4	844.9	822.1	801.3	783.1	775.8	775.8	776.4
12.5°	940.8	938.8	912.7	883.8	848.9	812.7	779.8	755.6	738.2	737.5	734.8
15°	979.8	972.4	946.9	903.3	858.3	812.0	766.4	728.8	698.6	690.5	687.2
17.5°	1021.4	1012.0	981.1	928.1	873.1	811.3	750.9	698.6	648.3	628.8	622.8
20°	1066.3	1054.9	1023.4	956.9	887.8	806.6	728.1	655.0	586.5	549.6	540.2
22.5°	1116.0	1106.6	1068.3	986.5	897.9	796.6	692.5	599.9	512.7	459.7	455.7
25°	1180.4	1171.7	1115.3	1012.6	898.6	777.8	645.6	529.5	420.1	357.7	344.9
27.5°	1257.6	1242.2	1152.9	1028.8	887.8	744.9	584.5	435.5	312.0	259.7	258.4
30°	1341.5	1313.3	1183.1	1032.8	863.7	692.5	500.6	320.1	221.5	185.9	185.9
32.5°	1440.1	1388.4	1214.0	1026.1	824.1	620.1	383.2	222.1	152.3	135.6	135.6
35°	1584.4	1504.5	1253.6	1009.3	768.4	520.1	272.5	147.0	120.1	118.1	118.1
37.5°	1812.6	1679.7	1307.2	981.1	691.9	396.6	177.2	113.4	114.8	114.8	114.1
40°	2055.5	1882.4	1381.1	936.1	595.9	273.8	116.1	107.4	109.4	110.7	110.1
42.5°	2274.9	2074.9	1461.6	875.7	482.5	172.5	106.0	103.3	102.0	103.3	104.0
45°	2464.8	2242.0	1542.8	797.2	356.3	112.7	103.3	97.3	93.3	93.9	94.6
47.5°	2627.2	2373.6	1597.8	714.7	236.2	100.0	100.0	89.3	85.2	85.2	85.2
50°	2769.5	2490.3	1631.4	616.0	140.9	98.6	93.9	81.9	77.8	77.2	77.8
52.5°	2872.9	2572.2	1627.3	495.9	94.6	95.3	85.9	75.2	70.5	71.8	72.5
55°	2954.7	2623.9	1591.8	363.0	88.6	89.3	79.9	67.8	64.4	65.1	65.1
57.5°	3006.4	2636.6	1519.3	236.2	86.6	79.9	71.8	60.4	56.4	56.4	56.4
60°	3023.2	2629.9	1420.7	151.0	85.9	71.8	65.1	54.4	50.3	50.3	50.3
62.5°	3009.1	2591.0	1253.6	108.7	79.9	67.1	59.1	48.3	44.3	42.9	42.9
65°	2958.7	2487.0	966.3	89.9	71.8	61.7	53.7	43.6	38.3	36.2	35.6
67.5°	2811.8	2261.5	562.4	84.6	65.1	56.4	49.7	39.6	33.6	30.2	29.5
68°	2773.5	2194.4	462.4	83.9	65.1	55.7	49.0	38.3	32.2	28.9	28.2
70°	2499.7	1770.3	132.9	79.9	63.8	53.7	45.0	34.9	28.9	24.8	24.2
72.5°	1882.4	1037.5	83.2	71.1	63.1	47.6	43.6	34.9	25.5	21.5	20.1
75°	1050.9	236.2	70.5	53.0	59.1	47.0	42.9	31.5	22.8	17.4	16.8
77.5°	216.1	68.4	60.4	36.9	45.0	40.9	36.2	26.8	20.8	13.4	12.8
80°	61.1	51.0	53.7	26.8	25.5	28.9	26.8	23.5	15.4	10.1	10.1
82.5°	39.6	37.6	48.3	18.1	13.4	13.4	17.4	14.1	13.4	8.1	8.1
85°	24.2	31.5	23.5	8.1	6.7	5.4	6.0	6.0	8.1	5.4	5.4
87.5°	3.4	3.4	3.4	3.4	3.4	2.7	2.0	2.0	2.0	2.7	2.7
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)