

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: P507652

Luminaire Tested: **VERD-S-CA1-60-750-U-T4-HSS**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507652
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2103-168-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/30/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-S-CA1-60-750-U-T4-HSS
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 5000K, 1150mA LED AND TYPE IV OPTIC WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7925 lumens
Efficiency: N/A
Efficacy: 125.2 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 0.83' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

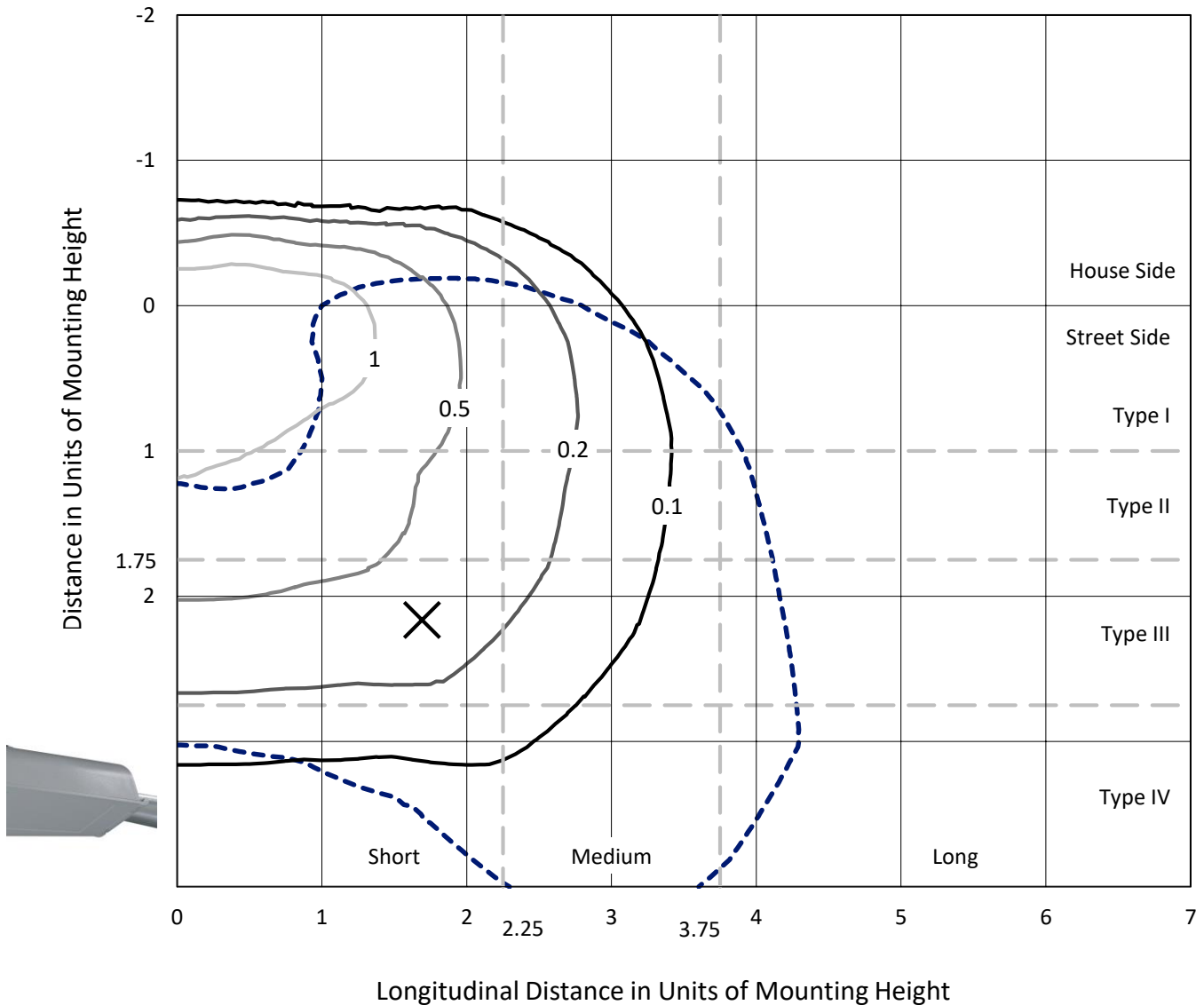
Input Watts (W): 63.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

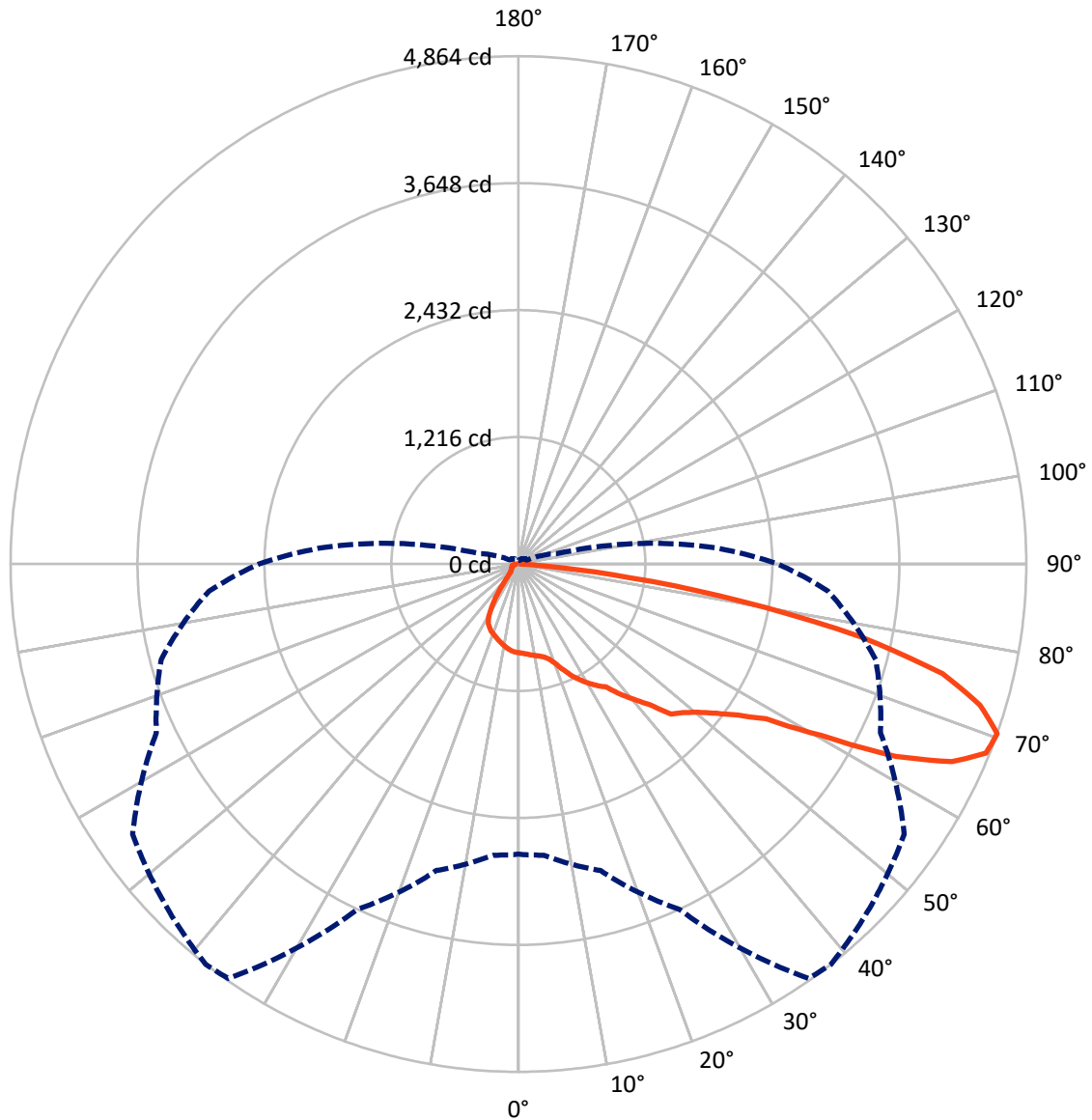
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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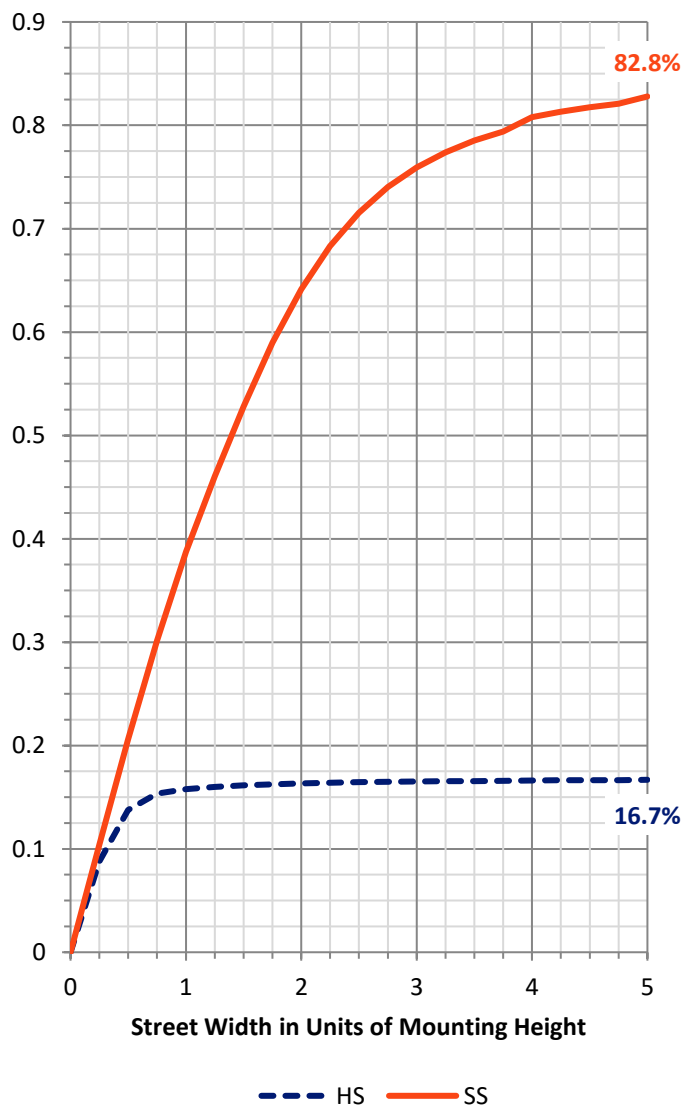
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1340.7	0.0	1340.7
	% Fixture	16.9	0.0	16.9
Street Side	Lumens	6584.3	0.0	6584.3
	% Fixture	83.1	0.0	83.1
Total	Lumens	7925.0	0.0	7925.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.2	1.0
10°-20°	246.1	3.1
20°-30°	453.1	5.7
30°-40°	709.3	9.0
40°-50°	1077.6	13.6
50°-60°	1549.4	19.6
60°-70°	2081.6	26.3
70°-80°	1542.2	19.5
80°-90°	184.4	2.3
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°	7925.0	100.0
0°-180°	7925.0	100.0

Coefficient of Utilization



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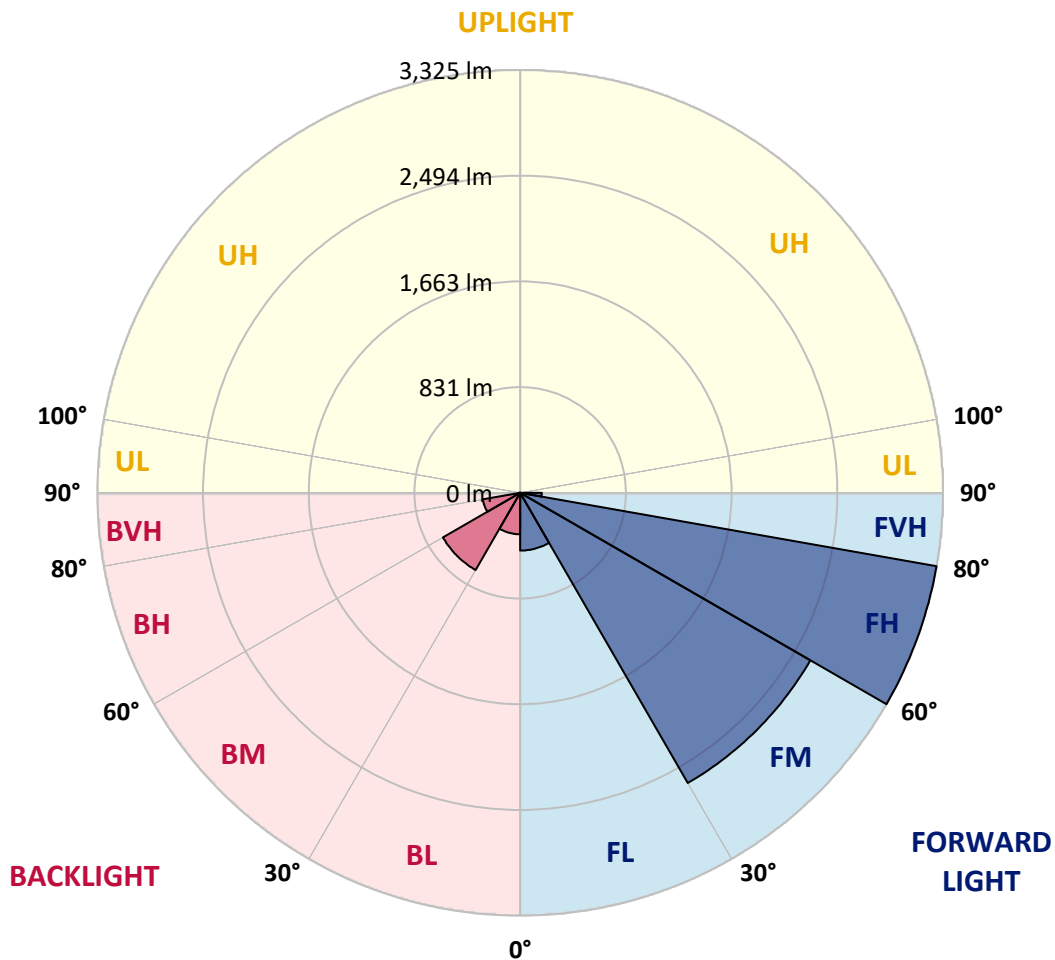
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	454.3	5.7			
FM (30°-60°)	2635.0	33.2			
FH (60°-80°)	3325.3	42.0			G2/5000
FVH (80°-90°)	169.6	2.1			G2/225
BL (0°-30°)	326.1	4.1	B1/500		
BM (30°-60°)	701.3	8.8	B1/1000		
BH (60°-80°)	298.5	3.8	B1/500		G1/500
BVH (80°-90°)	14.8	0.2			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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	849.4	849.4	849.4	849.4	849.4	849.4	849.4	849.4	849.4	849.4	849.4
2.5°	862.0	862.0	862.0	859.5	859.5	857.0	857.0	854.5	854.5	851.9	849.4
5°	874.5	874.5	872.0	869.5	867.0	867.0	867.0	864.5	859.5	859.5	854.5
7.5°	879.5	879.5	879.5	879.5	879.5	879.5	879.5	877.0	874.5	872.0	867.0
10°	882.0	882.0	884.5	884.5	889.5	892.0	892.0	894.5	892.0	887.0	882.0
12.5°	889.5	892.0	892.0	894.5	902.1	904.6	907.1	914.6	914.6	909.6	904.6
15°	904.6	904.6	907.1	912.1	922.1	924.6	932.1	939.6	944.7	939.6	934.6
17.5°	949.7	949.7	949.7	949.7	954.7	957.2	967.2	979.7	984.7	984.7	982.2
20°	1039.9	1039.9	1034.9	1024.8	1019.8	1019.8	1017.3	1022.3	1032.4	1039.9	1042.4
22.5°	1142.6	1140.1	1137.6	1122.6	1105.0	1100.0	1095.0	1090.0	1095.0	1107.5	1112.5
25°	1222.8	1225.3	1222.8	1202.7	1187.7	1185.2	1177.7	1180.2	1180.2	1182.7	1190.2
27.5°	1287.9	1293.0	1282.9	1272.9	1262.9	1255.4	1260.4	1267.9	1280.4	1275.4	1290.4
30°	1360.6	1358.1	1348.1	1335.6	1328.0	1325.5	1323.0	1350.6	1385.7	1400.7	1418.2
32.5°	1490.9	1488.4	1468.4	1405.7	1388.2	1388.2	1393.2	1428.3	1483.4	1531.0	1576.1
35°	1611.2	1611.2	1586.1	1543.5	1468.4	1445.8	1458.3	1500.9	1581.1	1676.3	1749.0
37.5°	1754.0	1756.5	1728.9	1663.8	1603.7	1581.1	1521.0	1581.1	1678.8	1861.8	1952.0
40°	1919.4	1914.4	1869.3	1799.1	1721.4	1703.9	1653.8	1666.3	1804.1	2079.8	2167.5
42.5°	2012.1	2007.1	1977.0	1921.9	1859.2	1839.2	1794.1	1781.6	1972.0	2320.3	2377.9
45°	2102.3	2107.3	2104.8	2077.2	2062.2	2049.7	2024.6	2027.1	2180.0	2558.3	2560.9
47.5°	2154.9	2164.9	2124.9	2122.3	2124.9	2124.9	2159.9	2230.1	2377.9	2761.3	2721.2
50°	2310.3	2300.3	2177.5	2182.5	2215.1	2230.1	2295.2	2398.0	2653.6	2936.7	2859.0
52.5°	2623.5	2553.3	2398.0	2322.8	2335.3	2372.9	2450.6	2598.4	2929.2	3109.6	2981.8
55°	2974.3	2944.2	2783.9	2590.9	2505.7	2553.3	2636.0	2791.4	3147.2	3257.4	3084.5
57.5°	3217.4	3229.9	3234.9	3079.5	2781.4	2796.4	2849.0	2984.3	3342.6	3407.8	3162.2
60°	3452.9	3470.4	3565.6	3543.1	3445.4	3335.1	3129.6	3174.8	3510.5	3515.5	3222.4
62.5°	3640.8	3650.8	3803.7	3873.8	4049.3	4056.8	3723.5	3437.9	3680.9	3593.2	3244.9
65°	3545.6	3573.2	3796.2	4009.2	4507.8	4562.9	4432.6	3773.6	3811.2	3628.3	3229.9
67.5°	3224.9	3270.0	3480.5	3969.1	4793.5	4831.0	4715.8	4382.5	3858.8	3615.8	3147.2
70°	2778.8	2798.9	3039.4	3648.3	4846.1	4863.6	4720.8	4510.3	3826.2	3543.1	2974.3
72.5°	2260.2	2282.7	2490.7	3137.2	4608.0	4623.1	4585.5	4410.1	3748.6	3407.8	2623.5
75°	1696.4	1731.5	1929.4	2450.6	4069.3	4197.1	4274.8	4199.6	3533.1	2959.3	1997.1
77.5°	1120.1	1122.6	1323.0	1851.7	3224.9	3352.7	3365.2	3302.5	2508.2	1856.7	887.0
80°	481.1	526.2	774.3	1242.8	2142.4	2164.9	2190.0	2024.6	1285.4	573.8	97.7
82.5°	160.4	177.9	325.7	656.5	1054.9	1080.0	1034.9	897.0	360.8	77.7	55.1
85°	67.7	75.2	100.2	180.4	255.6	233.0	218.0	177.9	50.1	45.1	35.1
87.5°	2.5	2.5	2.5	2.5	5.0	2.5	5.0	5.0	7.5	7.5	10.0
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°	849.4	849.4	849.4	849.4	849.4	849.4	849.4	849.4	849.4	849.4	849.4
2.5°	849.4	849.4	849.4	846.9	846.9	844.4	844.4	841.9	841.9	841.9	841.9
5°	854.5	854.5	849.4	846.9	841.9	836.9	831.9	826.9	821.9	821.9	821.9
7.5°	864.5	862.0	854.5	844.4	834.4	821.9	814.4	804.3	799.3	794.3	796.8
10°	879.5	874.5	864.5	849.4	829.4	809.3	791.8	776.8	769.3	761.7	759.2
12.5°	899.6	894.5	879.5	857.0	826.9	796.8	769.3	746.7	731.7	724.2	721.6
15°	929.6	922.1	902.1	869.5	826.9	781.8	744.2	711.6	686.6	671.5	671.5
17.5°	977.2	969.7	942.2	897.0	836.9	774.3	716.6	661.5	628.9	611.4	608.9
20°	1039.9	1029.9	997.3	932.1	854.5	771.8	686.6	616.4	561.3	531.2	528.7
22.5°	1112.5	1105.0	1054.9	969.7	872.0	766.8	664.0	571.3	493.6	438.5	426.0
25°	1197.7	1185.2	1110.0	999.8	877.0	754.2	631.4	523.7	416.0	348.3	335.8
27.5°	1298.0	1270.4	1160.2	1022.3	874.5	729.2	593.9	456.0	315.7	265.6	258.1
30°	1405.7	1358.1	1210.3	1037.4	859.5	689.1	528.7	340.8	228.0	198.0	190.4
32.5°	1528.5	1453.3	1255.4	1039.9	826.9	633.9	418.5	233.0	162.9	145.3	142.8
35°	1676.3	1573.6	1303.0	1029.9	779.3	543.7	290.7	157.9	120.3	115.3	115.3
37.5°	1869.3	1726.4	1355.6	999.8	706.6	421.0	192.9	107.7	105.2	107.7	107.7
40°	2072.2	1901.8	1420.7	954.7	613.9	303.2	122.8	100.2	100.2	102.7	102.7
42.5°	2265.2	2069.7	1503.4	894.5	508.7	195.4	100.2	95.2	92.7	95.2	97.7
45°	2428.0	2227.6	1583.6	829.4	388.4	125.3	97.7	90.2	85.2	87.7	87.7
47.5°	2573.4	2347.9	1628.7	751.7	273.1	97.7	97.7	82.7	77.7	77.7	80.2
50°	2696.2	2443.1	1653.8	661.5	172.9	95.2	87.7	77.7	72.7	72.7	70.2
52.5°	2798.9	2513.2	1651.3	561.3	112.8	92.7	82.7	72.7	65.1	67.7	67.7
55°	2876.6	2568.4	1613.7	431.0	95.2	87.7	80.2	67.7	62.6	67.7	67.7
57.5°	2936.7	2593.4	1543.5	300.7	92.7	80.2	75.2	62.6	57.6	60.1	60.1
60°	2966.8	2580.9	1433.3	187.9	90.2	77.7	70.2	57.6	52.6	50.1	52.6
62.5°	2956.8	2535.8	1275.4	125.3	85.2	72.7	65.1	55.1	47.6	42.6	42.6
65°	2896.6	2435.6	1087.5	105.2	82.7	72.7	62.6	52.6	42.6	40.1	40.1
67.5°	2761.3	2227.6	806.8	97.7	82.7	70.2	60.1	50.1	42.6	37.6	37.6
70°	2483.2	1854.2	388.4	90.2	82.7	72.7	60.1	47.6	40.1	35.1	35.1
72.5°	2009.6	1310.5	100.2	77.7	80.2	72.7	62.6	47.6	37.6	32.6	32.6
75°	1310.5	628.9	85.2	62.6	72.7	67.7	60.1	47.6	37.6	30.1	30.1
77.5°	426.0	87.7	77.7	55.1	65.1	65.1	60.1	47.6	37.6	27.6	27.6
80°	67.7	62.6	67.7	42.6	47.6	55.1	47.6	45.1	35.1	25.1	25.1
82.5°	47.6	57.6	50.1	35.1	42.6	45.1	37.6	30.1	25.1	22.6	22.6
85°	35.1	37.6	30.1	27.6	32.6	37.6	30.1	22.6	20.0	20.0	20.0
87.5°	12.5	15.0	15.0	20.0	25.1	27.6	17.5	12.5	15.0	15.0	15.0
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)