

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: P148101

Luminaire Tested: **AVS-E03-LED-E-U-5WQ-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P148101
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33675)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: AVS-E03-LED-E-U-5WQ-7050
Description: VISION SITE SMALL LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (63) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9800.7 lumens
Efficiency: N/A
Efficacy: 130.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B4 - U0 - G2

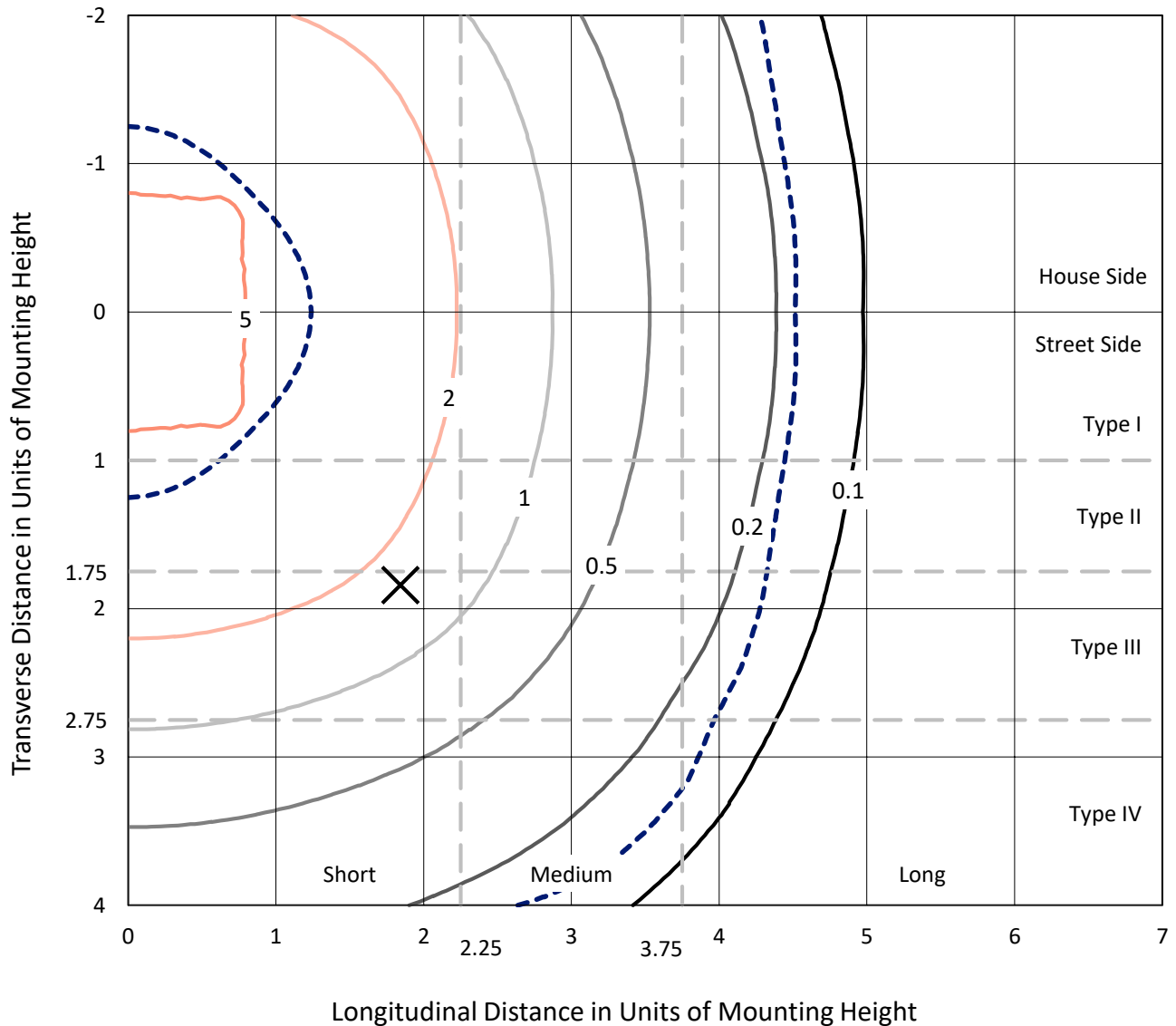
Input Watts (W): 75.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

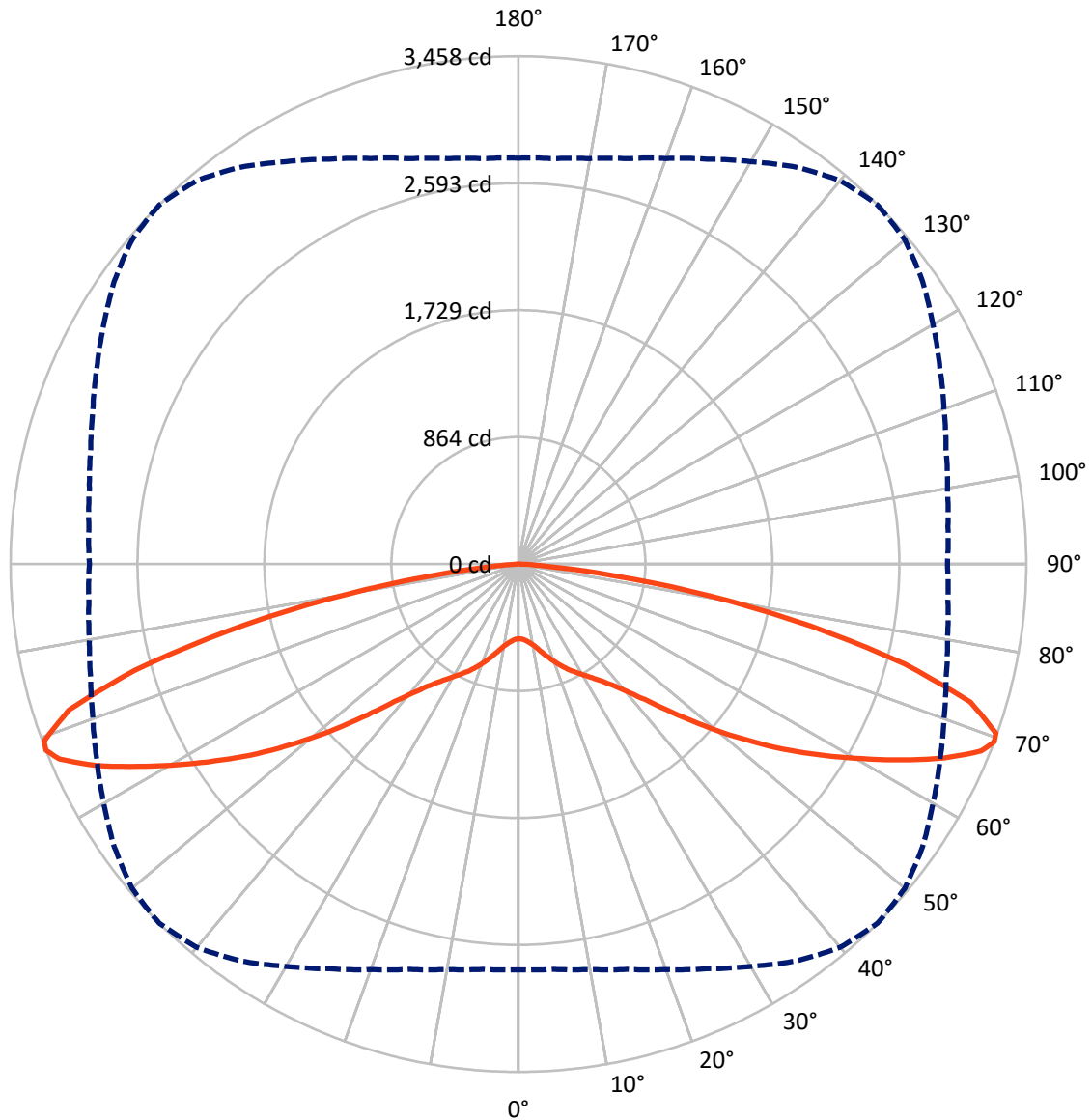
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.9 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4900.4	0.0	4900.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4900.4	0.0	4900.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	9800.7	0.0	9800.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.1	0.5
10°-20°	180.5	1.8
20°-30°	365.4	3.7
30°-40°	612.6	6.3
40°-50°	1080.6	11.0
50°-60°	1905.7	19.4
60°-70°	2909.4	29.7
70°-80°	2431.2	24.8
80°-90°	264.2	2.7
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°	9800.7	100.0
0°-180°	9800.7	100.0



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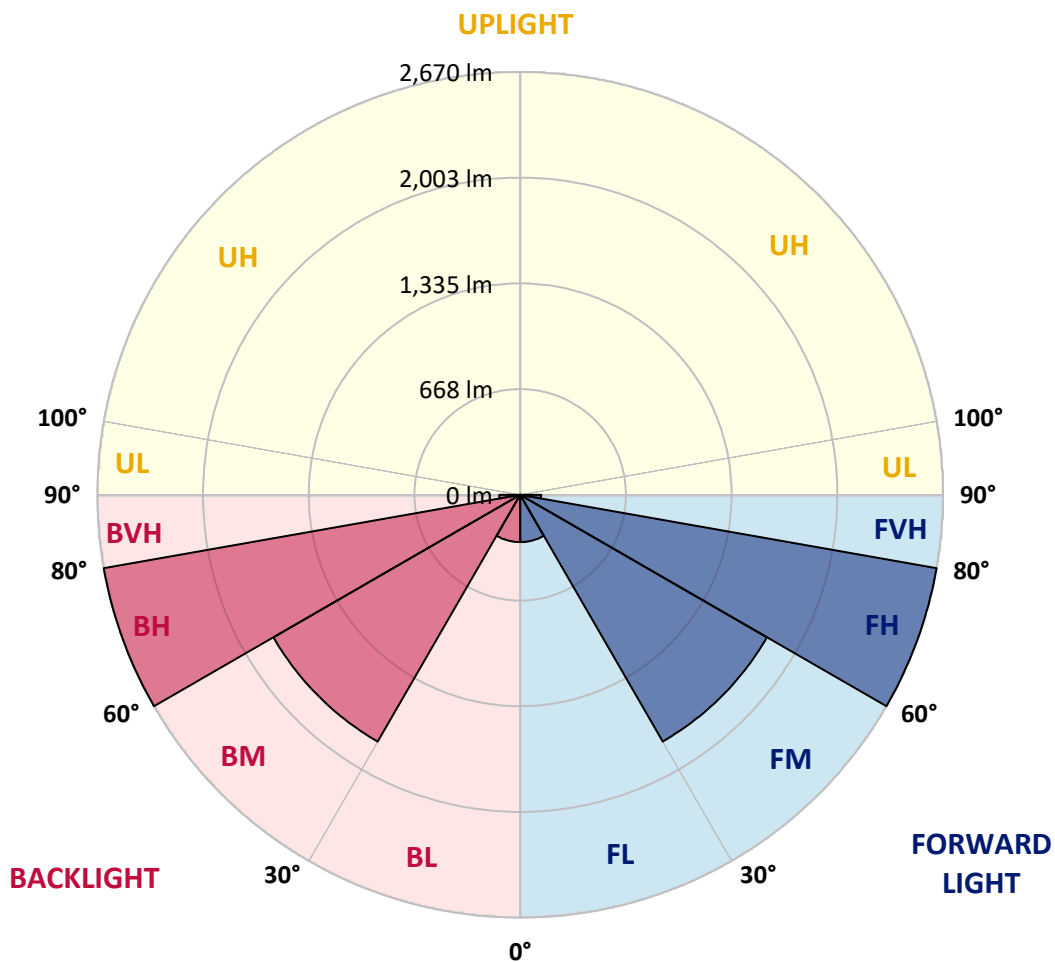
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	298.5	3.0			
FM	(30°-60°)	1799.5	18.4			
FH	(60°-80°)	2670.3	27.2			G2/5000
FVH	(80°-90°)	132.1	1.3			G2/225
BL	(0°-30°)	298.5	3.0	B1/500		
BM	(30°-60°)	1799.5	18.4	B2/2500		
BH	(60°-80°)	2670.3	27.2	B4/5000		G2/5000
BVH	(80°-90°)	132.1	1.3			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	508.9	508.9	508.9	508.9	508.9	508.9	508.9	508.9	508.9	508.9	508.9
2.5°	513.1	514.1	513.1	513.1	513.1	513.1	513.1	512.0	512.0	512.0	513.1
5°	523.3	524.4	523.3	524.4	524.4	524.4	524.4	523.3	523.3	523.3	523.3
7.5°	539.7	539.7	539.7	540.7	539.7	539.7	540.7	539.7	539.7	539.7	539.7
10°	563.3	562.3	562.3	562.3	562.3	562.3	563.3	563.3	563.3	562.3	562.3
12.5°	592.0	591.1	592.0	592.0	593.1	593.1	593.1	593.1	593.1	593.1	592.0
15°	626.9	626.9	626.9	628.0	630.1	630.1	629.0	630.1	630.1	630.1	630.1
17.5°	665.9	668.0	665.9	666.9	668.0	666.9	669.0	670.1	671.1	670.1	666.9
20°	706.0	706.9	706.9	706.9	706.9	709.0	710.1	710.1	713.2	712.1	711.1
22.5°	743.9	746.0	746.0	747.0	747.0	750.1	750.1	750.1	752.1	754.2	752.1
25°	783.9	782.9	782.9	785.0	786.0	790.1	790.1	792.1	795.2	796.3	794.2
27.5°	819.9	818.9	818.9	821.9	822.9	828.1	828.1	832.1	834.2	835.2	833.2
30°	857.8	857.8	856.8	859.9	863.0	867.0	869.1	873.3	876.3	877.3	875.2
32.5°	903.0	900.9	902.0	904.0	906.0	910.2	913.3	918.3	922.5	923.5	921.5
35°	954.3	951.2	952.2	954.3	957.3	963.5	968.6	971.7	977.9	979.9	975.9
37.5°	1010.7	1011.7	1010.7	1015.9	1020.9	1028.2	1034.3	1038.4	1044.6	1047.7	1044.6
40°	1090.8	1087.7	1090.8	1095.9	1104.0	1113.4	1125.6	1128.7	1134.9	1141.0	1133.9
42.5°	1194.4	1192.3	1199.5	1203.6	1212.8	1223.1	1238.5	1246.7	1256.0	1260.1	1253.9
45°	1329.8	1329.8	1338.0	1339.1	1353.5	1366.7	1388.3	1398.5	1416.1	1416.1	1416.1
47.5°	1479.7	1485.8	1490.9	1501.2	1511.5	1536.1	1557.6	1580.2	1596.6	1598.7	1595.5
50°	1634.6	1640.7	1656.2	1670.5	1693.1	1723.8	1747.5	1777.2	1791.6	1803.9	1799.8
52.5°	1805.9	1806.9	1825.5	1843.9	1876.8	1910.6	1948.6	1979.4	2005.0	2016.3	2007.0
55°	1993.7	1995.8	2012.2	2031.7	2068.6	2107.7	2154.8	2186.6	2219.5	2240.0	2224.6
57.5°	2196.9	2197.9	2214.3	2237.9	2282.1	2321.0	2366.2	2411.4	2442.2	2460.6	2450.4
60°	2421.7	2426.7	2439.1	2468.8	2510.9	2551.9	2597.1	2637.1	2673.0	2692.5	2682.3
62.5°	2661.8	2666.8	2684.2	2707.9	2744.9	2789.9	2833.1	2884.4	2914.1	2935.6	2920.3
65°	2822.8	2832.0	2859.8	2891.6	2945.9	3004.5	3054.7	3124.5	3160.4	3186.0	3171.7
67.5°	2833.1	2838.2	2872.0	2920.3	2993.2	3081.3	3184.0	3292.7	3363.5	3397.4	3372.8
69°	2763.3	2770.5	2803.3	2857.7	2938.8	3041.3	3163.5	3299.0	3407.7	3457.9	3434.4
70°	2684.2	2699.7	2735.6	2795.1	2874.1	2981.9	3108.1	3252.7	3380.0	3448.7	3431.3
72.5°	2518.0	2522.2	2545.8	2593.0	2653.5	2742.8	2861.8	2998.2	3119.4	3217.8	3232.2
75°	2234.8	2248.2	2265.6	2297.4	2328.2	2392.8	2473.0	2566.3	2637.1	2713.1	2716.1
77.5°	1689.0	1729.0	1742.3	1749.5	1762.8	1814.2	1883.9	1965.0	2023.5	2035.8	2033.8
80°	758.3	811.6	823.9	882.5	918.3	1003.5	1110.3	1234.4	1317.5	1326.7	1304.1
82.5°	148.8	159.1	185.7	231.9	316.1	366.3	436.1	523.3	603.3	649.5	621.9
85°	49.2	52.3	60.5	66.7	77.0	87.3	105.7	131.3	163.1	180.6	161.1
87.5°	19.5	19.5	22.6	24.7	26.6	26.6	26.6	24.7	23.6	19.5	17.4
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):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	508.9	508.9	508.9	508.9	508.9	508.9	508.9	508.9
2.5°	512.0	512.0	512.0	512.0	512.0	512.0	512.0	512.0
5°	523.3	522.3	522.3	521.2	521.2	521.2	521.2	521.2
7.5°	538.8	537.7	536.7	537.7	536.7	536.7	536.7	536.7
10°	562.3	560.2	559.3	558.2	558.2	558.2	557.2	557.2
12.5°	590.1	590.1	589.0	588.0	585.9	586.9	585.9	583.8
15°	628.0	625.9	624.9	623.8	621.9	621.9	621.9	620.8
17.5°	665.9	663.9	663.9	660.8	659.8	659.8	659.8	660.8
20°	708.0	705.0	702.9	700.8	698.8	699.8	697.7	699.8
22.5°	750.1	746.0	743.9	740.8	737.7	737.7	736.8	734.7
25°	791.1	786.0	783.9	780.8	776.8	776.8	774.7	772.6
27.5°	830.2	825.0	822.9	816.8	812.6	811.6	809.6	808.6
30°	873.3	867.0	863.9	857.8	851.7	850.7	847.6	847.6
32.5°	918.3	912.2	910.2	900.9	895.8	895.8	893.8	891.7
35°	974.8	965.6	963.5	954.3	947.0	947.0	945.1	946.1
37.5°	1041.5	1034.3	1027.2	1020.0	1011.7	1010.7	1008.7	1006.6
40°	1130.8	1122.6	1114.3	1104.0	1096.9	1094.8	1091.8	1090.8
42.5°	1249.8	1241.6	1225.2	1217.0	1209.7	1203.6	1202.6	1201.6
45°	1401.7	1391.4	1380.1	1364.8	1355.4	1342.2	1340.1	1334.9
47.5°	1584.4	1564.8	1545.3	1532.0	1517.6	1502.2	1499.2	1490.9
50°	1778.2	1762.8	1730.1	1708.5	1685.9	1670.5	1660.2	1657.2
52.5°	1986.5	1957.8	1925.0	1896.3	1863.4	1842.9	1824.5	1819.3
55°	2204.0	2163.0	2122.0	2088.1	2055.3	2030.7	2013.3	2005.0
57.5°	2421.7	2376.5	2331.3	2294.4	2266.6	2234.8	2217.4	2213.3
60°	2648.4	2605.3	2559.1	2522.2	2488.3	2460.6	2450.4	2430.9
62.5°	2888.5	2843.3	2800.2	2764.4	2721.2	2701.8	2684.2	2673.0
65°	3124.5	3072.1	3017.8	2979.8	2936.7	2909.0	2887.5	2872.0
67.5°	3307.2	3228.1	3155.2	3091.6	3033.2	2990.1	2962.4	2948.0
69°	3358.4	3259.9	3166.5	3083.4	3014.7	2966.4	2935.6	2921.3
70°	3352.3	3243.5	3140.9	3049.5	2974.7	2923.4	2893.6	2866.9
72.5°	3162.5	3062.9	2949.0	2849.5	2781.8	2732.5	2702.8	2688.4
75°	2698.7	2631.9	2549.8	2473.0	2423.6	2394.9	2358.0	2359.1
77.5°	1965.0	1967.0	1911.6	1832.6	1777.2	1766.9	1750.6	1734.1
80°	1219.0	1121.6	1057.9	972.7	910.2	855.8	832.1	780.8
82.5°	562.3	439.2	340.6	257.5	198.0	154.9	135.4	110.8
85°	125.2	95.4	79.0	63.6	54.4	50.3	41.0	37.9
87.5°	17.4	15.4	14.4	13.4	11.3	8.2	6.1	5.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)