

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: P147560

Luminaire Tested: **AVS-E01-LED-E-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P147560
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33674)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: AVS-E01-LED-E-U-5MQ
Description: VISION SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM
Light Source: (21) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3223.8 lumens
Efficiency: N/A
Efficacy: 130.5 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B2 - U0 - G1

Input Watts (W): 24.7
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

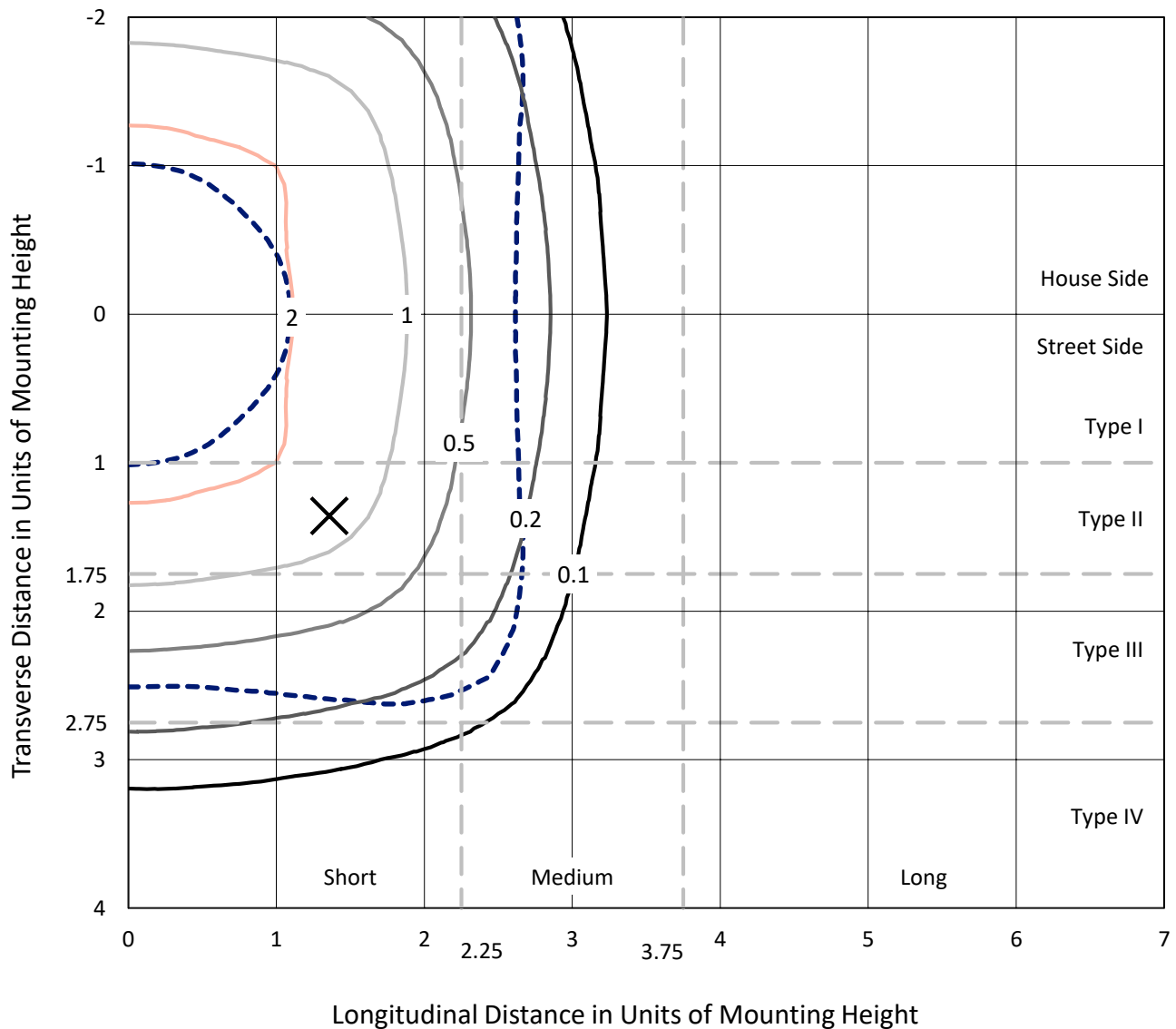


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

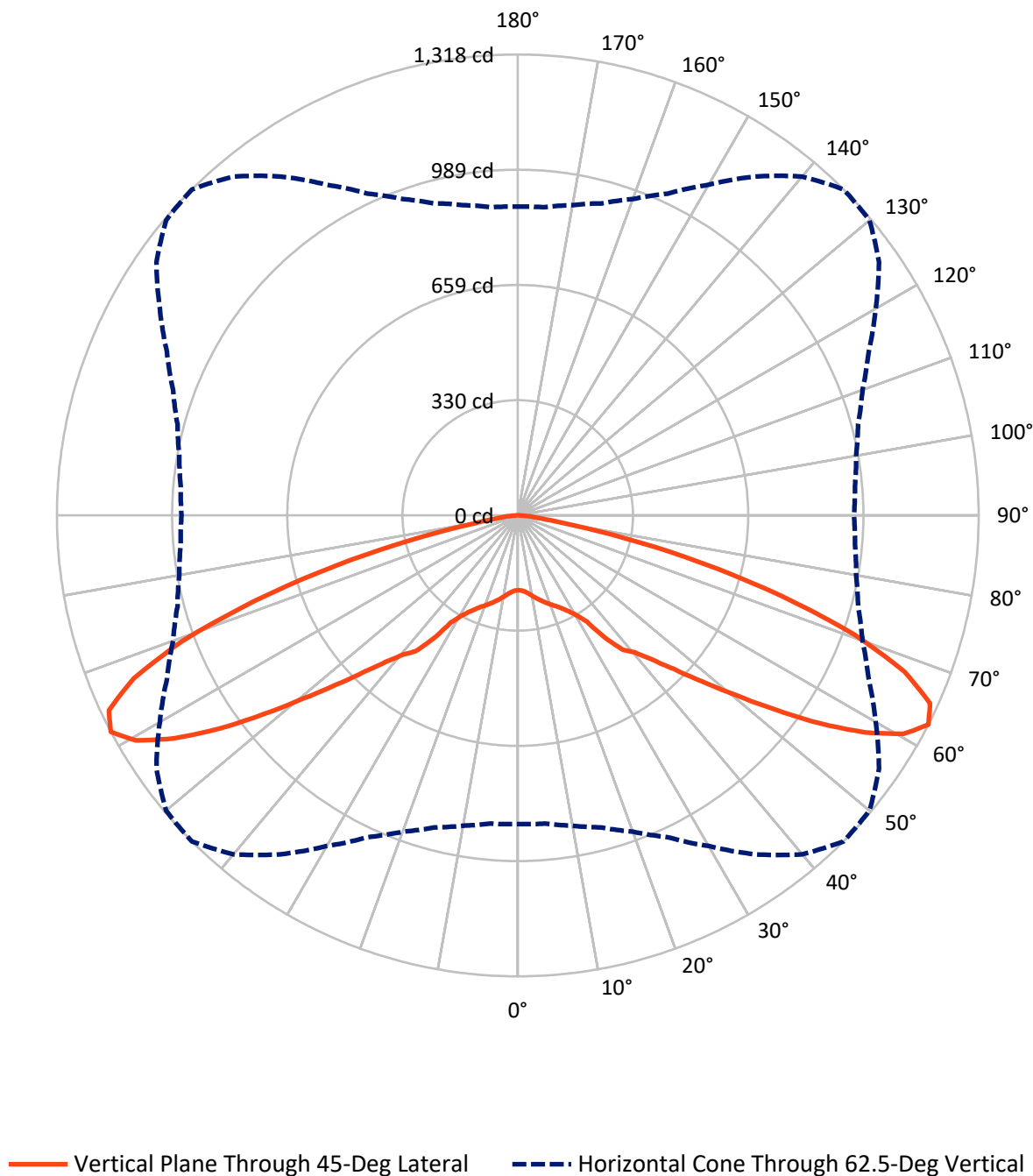


Based on 10 foot mounting height. Maximum calculated value = 2.4 fc
Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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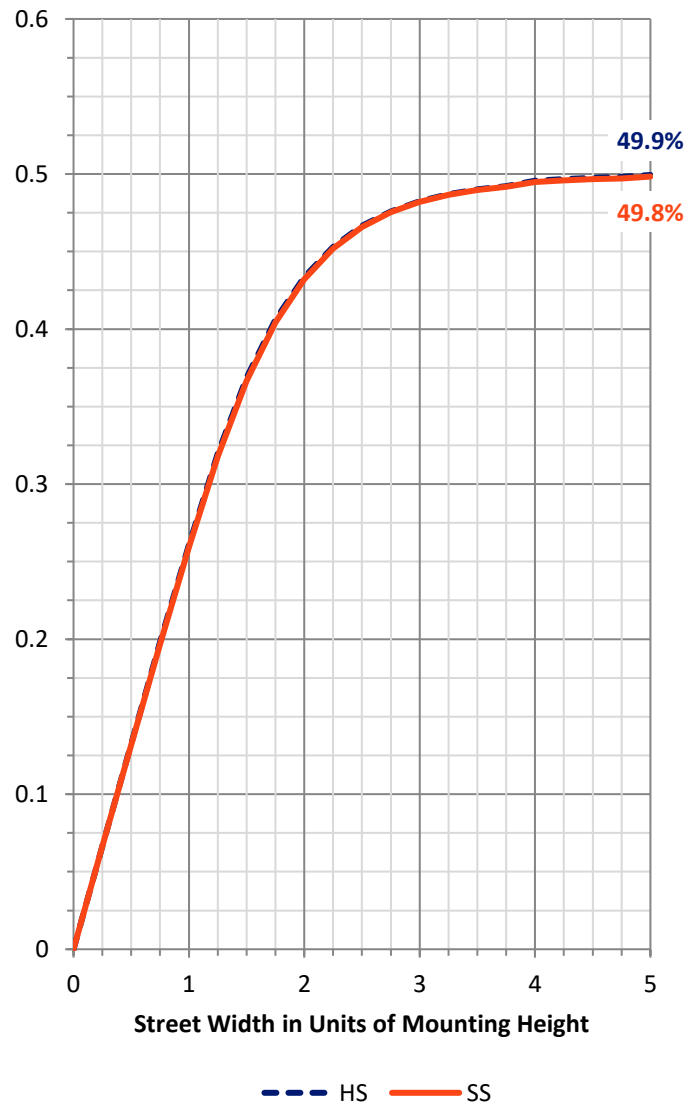
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1611.9	0.0	1611.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1611.9	0.0	1611.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	3223.8	0.0	3223.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.4	0.7
10°-20°	72.5	2.2
20°-30°	140.2	4.3
30°-40°	271.4	8.4
40°-50°	490.0	15.2
50°-60°	852.1	26.4
60°-70°	967.3	30.0
70°-80°	375.0	11.6
80°-90°	33.8	1.0
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°	3223.8	100.0
0°-180°	3223.8	100.0

Coefficient of Utilization



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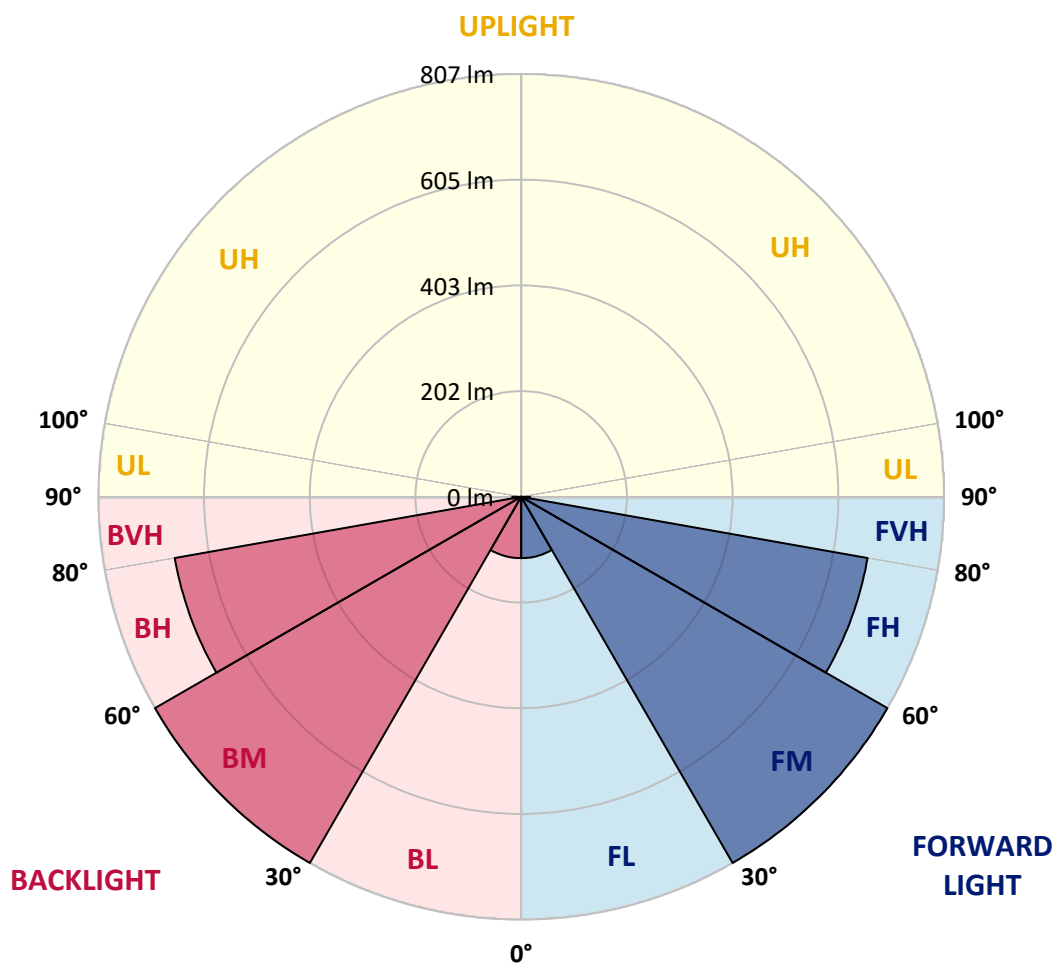
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	117.1	3.6			
FM	(30°-60°)	806.7	25.0			
FH	(60°-80°)	671.2	20.8			G1/1800
FVH	(80°-90°)	16.9	0.5			G1/100
BL	(0°-30°)	117.1	3.6	B1/500		
BM	(30°-60°)	806.7	25.0	B1/1000		
BH	(60°-80°)	671.2	20.8	B2/1000		G1/1800
BVH	(80°-90°)	16.9	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	214.0	214.0	214.0	214.0	214.0	214.0	214.0	214.0	214.0	214.0	214.0
2.5°	215.3	216.0	215.8	215.5	215.5	215.5	215.3	214.8	214.7	214.9	215.3
5°	220.3	220.3	220.3	220.3	220.0	220.0	219.7	219.3	219.5	219.2	219.1
7.5°	228.0	227.6	227.6	227.4	227.4	226.9	226.5	225.9	226.0	225.8	225.7
10°	237.1	237.2	236.7	237.2	236.4	236.2	235.4	235.1	235.0	234.5	234.5
12.5°	247.9	247.3	247.4	247.0	246.6	246.4	245.4	245.2	244.6	244.1	243.7
15°	258.0	257.8	257.2	256.5	256.4	256.0	254.8	254.1	254.0	253.2	252.4
17.5°	268.2	267.9	266.9	266.7	266.0	265.5	264.5	263.4	263.0	262.7	261.8
20°	279.0	278.8	277.9	277.1	276.3	275.6	274.2	273.4	272.7	272.3	271.7
22.5°	292.4	291.8	290.5	289.3	287.5	286.8	284.8	283.7	282.8	282.1	281.9
25°	307.2	307.3	305.5	304.0	301.8	300.0	297.5	296.2	295.3	294.7	294.5
27.5°	325.5	325.6	323.9	321.8	318.5	316.5	313.2	311.5	311.1	310.4	310.2
30°	354.4	353.0	350.3	346.7	343.6	339.3	334.5	332.8	331.2	330.7	330.7
32.5°	407.9	407.0	404.7	396.1	392.0	383.0	374.5	369.7	364.2	361.5	359.8
35°	445.2	444.8	442.9	440.0	437.5	435.6	430.7	429.8	428.8	428.8	430.2
37.5°	472.6	470.7	470.4	470.9	470.2	470.5	474.4	480.0	484.7	487.0	486.6
40°	513.4	510.5	512.1	511.0	509.4	509.2	510.5	512.7	514.8	514.8	514.4
42.5°	566.4	567.9	568.5	563.6	560.5	559.7	562.9	562.2	564.4	563.5	561.3
45°	645.5	644.7	643.5	637.7	632.7	628.7	629.5	628.3	628.5	627.2	625.5
47.5°	725.2	728.0	723.1	720.4	714.7	711.8	714.2	712.1	716.1	709.0	705.7
50°	802.5	804.6	802.9	798.8	798.8	802.8	805.6	809.3	814.7	806.6	794.6
52.5°	865.9	867.6	870.1	873.4	881.5	889.9	902.0	914.8	925.0	923.5	909.8
55°	904.5	906.5	910.7	922.2	936.8	959.2	986.3	1016.2	1039.6	1050.8	1040.8
57.5°	917.5	919.0	930.4	944.1	967.0	1000.2	1045.6	1097.2	1142.0	1170.6	1166.0
60°	914.5	914.5	926.0	945.0	977.0	1020.9	1085.4	1156.7	1225.3	1268.0	1261.7
62.5°	883.0	884.7	901.1	923.9	962.7	1015.3	1092.0	1183.2	1265.3	1318.3	1313.2
65°	814.1	815.1	833.0	860.1	903.3	965.6	1049.5	1150.5	1244.7	1295.8	1286.0
67.5°	702.6	703.6	718.1	748.8	794.5	859.7	950.2	1061.3	1153.5	1193.9	1164.8
70°	558.8	562.2	571.5	604.0	638.8	702.5	785.8	897.0	984.0	1022.2	990.2
72.5°	380.8	389.3	400.6	429.4	462.7	515.6	582.0	675.6	745.5	789.6	761.1
75°	214.5	226.5	230.1	251.8	279.2	321.0	369.5	436.7	507.2	543.0	508.6
77.5°	92.6	102.5	106.8	117.0	138.3	155.9	185.4	230.7	285.2	310.3	269.2
80°	45.7	48.1	49.7	53.0	59.1	64.7	78.7	98.4	120.8	126.4	100.7
82.5°	35.3	37.1	40.2	42.7	44.1	45.7	47.0	49.7	51.8	53.1	49.9
85°	24.9	26.9	30.5	33.4	35.0	36.2	37.3	38.1	36.2	33.0	34.6
87.5°	6.4	8.5	11.8	12.8	14.5	15.3	14.9	15.5	14.0	10.2	11.4
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°	214.0	214.0	214.0	214.0	214.0	214.0	214.0	214.0
2.5°	215.1	214.9	215.1	215.1	215.1	215.0	214.9	215.0
5°	219.1	219.1	219.2	218.9	218.9	219.1	218.9	218.7
7.5°	225.5	225.3	225.3	225.2	225.3	225.1	225.1	225.0
10°	234.2	233.8	234.0	233.6	233.5	233.4	233.4	233.4
12.5°	243.5	243.0	243.1	242.7	241.9	242.0	242.1	242.0
15°	252.5	252.0	251.5	251.2	250.7	250.8	250.8	250.7
17.5°	261.7	260.7	260.5	260.0	259.9	259.9	259.9	260.0
20°	271.1	270.5	270.3	269.8	269.6	270.2	270.4	270.1
22.5°	281.3	281.0	281.3	281.0	281.5	281.9	282.0	281.7
25°	294.1	293.8	294.3	295.5	296.2	296.6	297.3	297.0
27.5°	310.7	310.4	311.5	313.2	314.2	315.9	316.7	317.0
30°	332.0	333.5	334.2	337.5	338.2	340.8	340.8	342.0
32.5°	363.0	365.8	370.8	376.0	383.2	388.3	388.4	391.0
35°	431.0	432.1	436.1	436.8	438.3	440.0	438.3	439.7
37.5°	483.1	478.0	474.3	469.2	465.9	465.9	466.3	466.0
40°	509.8	507.8	506.1	501.8	501.1	501.0	500.9	501.7
42.5°	557.5	552.6	550.1	546.3	545.2	544.9	544.7	545.0
45°	619.5	611.6	604.6	600.8	597.7	594.6	595.6	595.6
47.5°	691.6	679.5	667.8	661.5	656.0	653.5	651.8	651.3
50°	779.5	762.5	747.5	735.8	727.7	727.5	728.3	723.0
52.5°	887.2	860.3	841.7	825.7	818.1	817.4	814.7	811.7
55°	1006.4	974.7	943.8	926.6	916.9	911.5	908.4	903.3
57.5°	1129.5	1086.6	1042.3	1014.9	997.5	985.5	979.1	976.4
60°	1224.4	1165.8	1107.4	1063.2	1034.3	1016.5	1005.5	1001.0
62.5°	1261.7	1182.3	1107.4	1049.3	1007.7	983.0	968.2	961.7
65°	1217.2	1123.1	1037.8	973.9	927.4	899.9	883.7	876.7
67.5°	1092.8	1009.7	917.0	853.3	805.5	778.3	760.8	755.6
70°	916.2	831.3	742.6	685.8	643.2	620.9	602.8	600.6
72.5°	688.5	615.3	539.3	492.3	458.0	421.3	412.0	416.7
75°	441.3	372.8	305.2	262.8	231.5	196.5	183.0	186.3
77.5°	209.0	161.9	116.9	90.3	75.9	64.9	62.0	60.3
80°	77.5	62.8	55.5	52.6	50.7	48.8	47.5	46.0
82.5°	50.2	49.0	47.5	47.0	45.5	43.2	38.9	37.0
85°	37.5	37.5	35.4	35.6	34.5	31.5	27.6	25.3
87.5°	11.0	9.7	9.0	8.3	8.1	7.3	5.3	4.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)