

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: P147573

Luminaire Tested: **AVS-F02-LED-E-U-5MQ-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P147573
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-F02-LED-E-U-5MQ-8030
Description: VISION SITE SMALL LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM
Light Source: (14) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4492.2 lumens
Efficiency: N/A
Efficacy: 81.7 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B2 - U0 - G1

Input Watts (W): 55
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

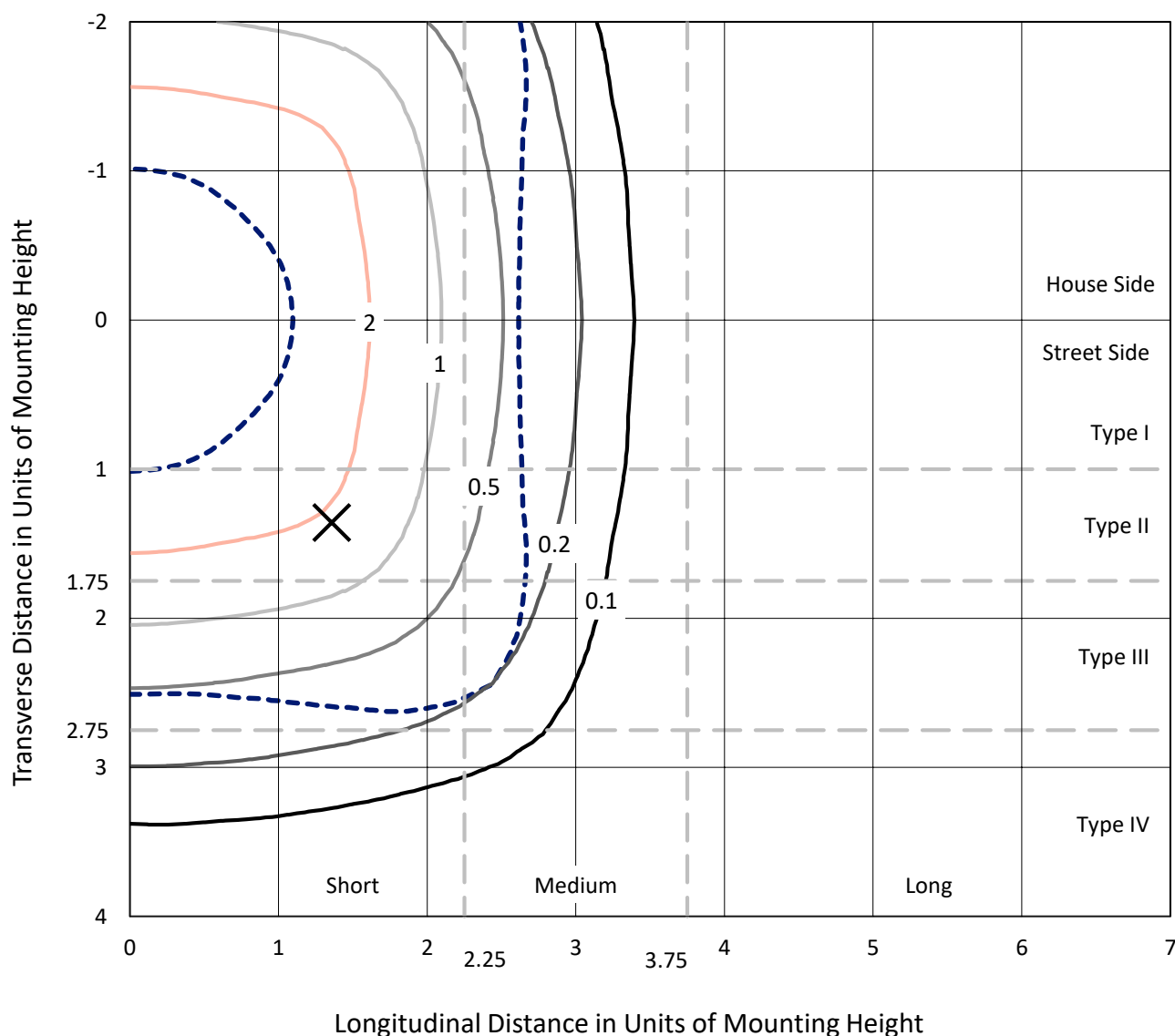


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

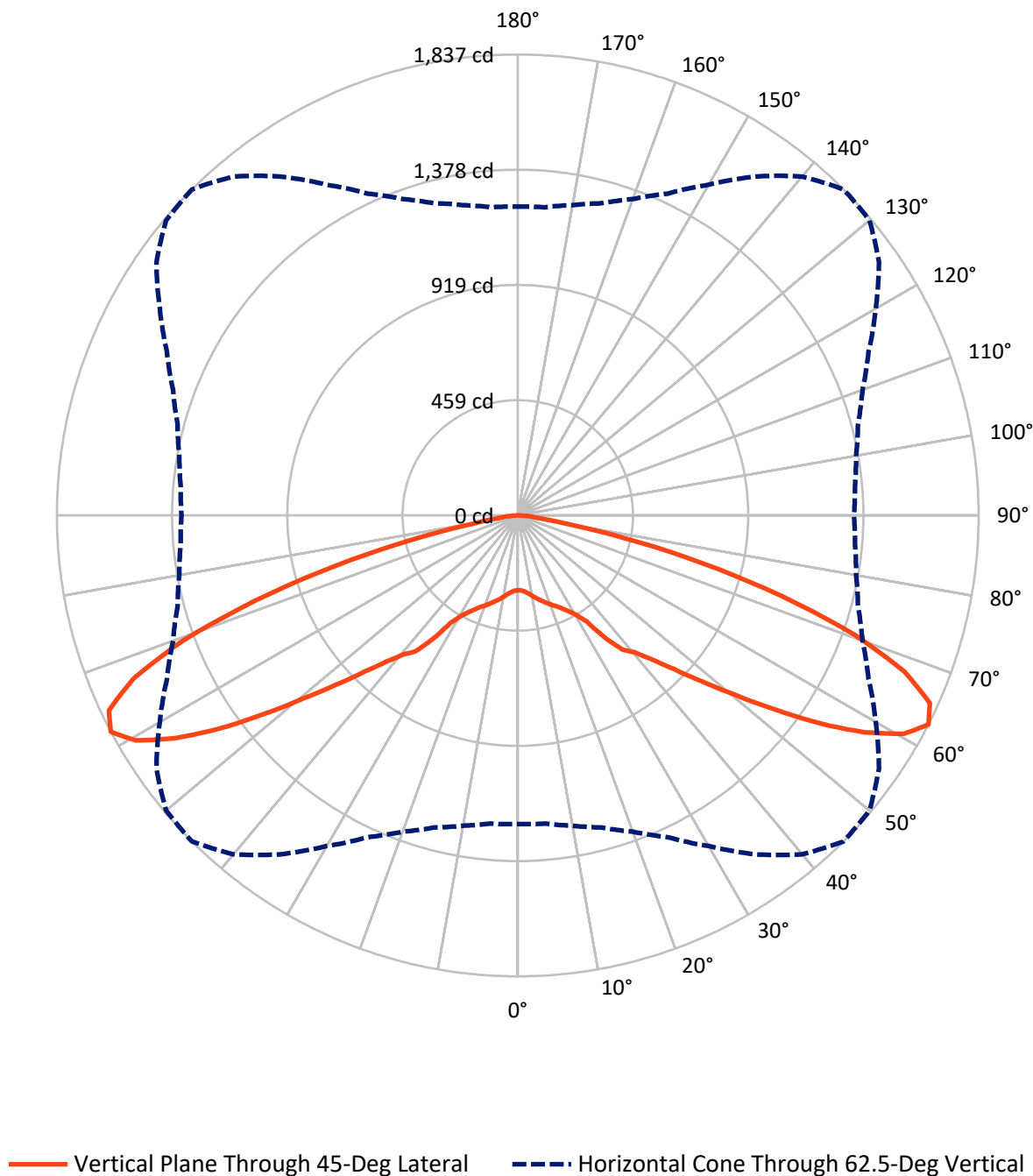


Based on 10 foot mounting height. Maximum calculated value = 3.4 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2246.1	0.0	2246.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2246.1	0.0	2246.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	4492.2	0.0	4492.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.9	0.7
10°-20°	101.0	2.2
20°-30°	195.3	4.3
30°-40°	378.2	8.4
40°-50°	682.8	15.2
50°-60°	1187.3	26.4
60°-70°	1347.9	30.0
70°-80°	522.6	11.6
80°-90°	47.1	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°	4492.2	100.0
0°-180°	4492.2	100.0

Coefficient of Utilization



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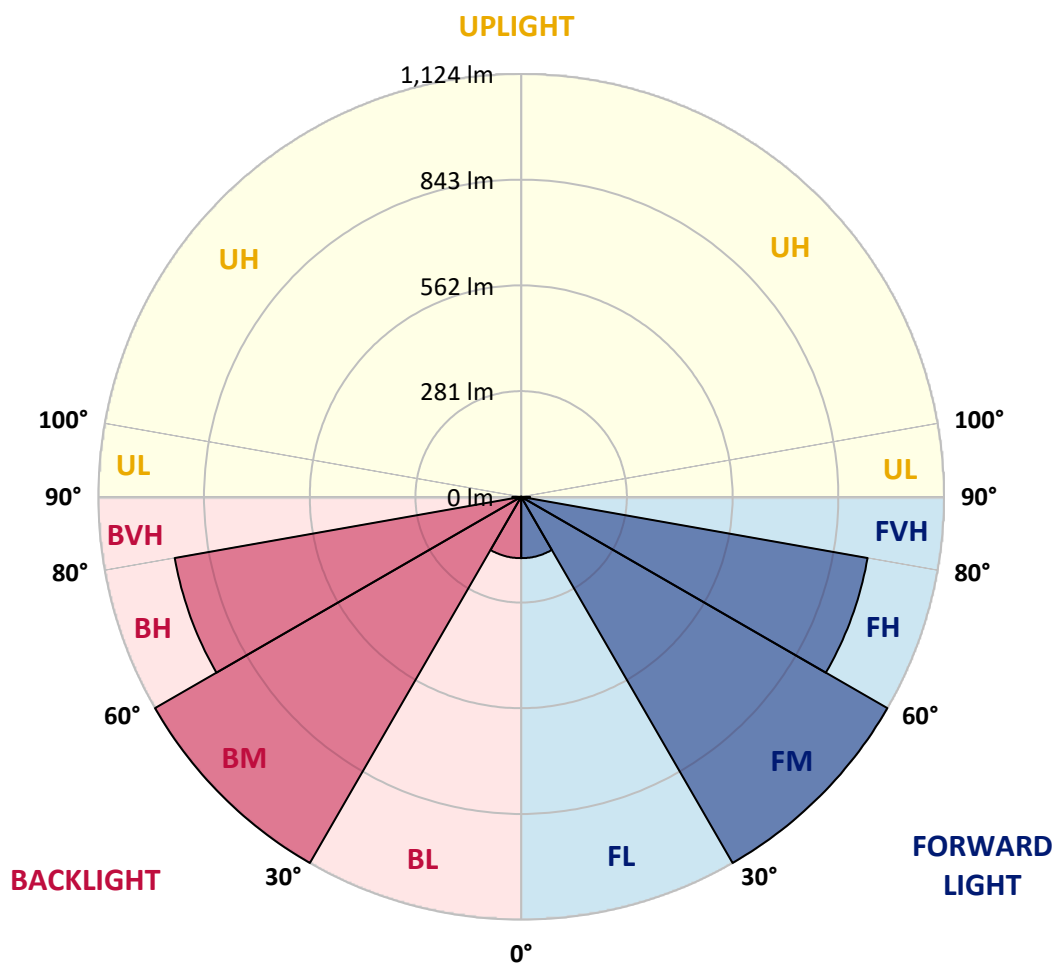
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	163.1	3.6			
FM	(30°-60°)	1124.2	25.0			
FH	(60°-80°)	935.3	20.8			G1/1800
FVH	(80°-90°)	23.6	0.5			G1/100
BL	(0°-30°)	163.1	3.6	B1/500		
BM	(30°-60°)	1124.2	25.0	B2/2500		
BH	(60°-80°)	935.3	20.8	B2/1000		G1/1800
BVH	(80°-90°)	23.6	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°	298.2	298.2	298.2	298.2	298.2	298.2	298.2	298.2	298.2	298.2	298.2
2.5°	300.0	301.0	300.7	300.3	300.3	300.3	300.1	299.3	299.1	299.6	300.1
5°	306.9	306.9	306.9	306.9	306.5	306.5	306.1	305.6	305.9	305.4	305.2
7.5°	317.7	317.0	317.1	316.8	316.8	316.3	315.6	314.6	314.9	314.6	314.5
10°	330.3	330.5	329.7	330.6	329.3	329.1	328.2	327.7	327.5	326.8	326.7
12.5°	345.3	344.7	344.7	344.2	343.7	343.2	341.9	341.6	340.7	340.2	339.5
15°	359.6	359.3	358.3	357.4	357.2	356.7	355.0	354.2	354.0	352.7	351.9
17.5°	373.7	373.3	372.0	371.6	370.7	369.9	368.5	367.2	366.4	366.0	364.9
20°	388.8	388.3	387.2	386.2	385.1	384.1	382.1	380.8	380.1	379.5	378.5
22.5°	407.6	406.6	404.8	403.1	400.6	399.7	396.9	395.3	394.1	393.2	392.7
25°	428.0	428.2	425.7	423.6	420.6	418.0	414.5	412.6	411.6	410.6	410.4
27.5°	453.6	453.9	451.4	448.5	443.8	441.0	436.4	434.0	433.4	432.4	432.2
30°	494.0	491.9	488.0	483.1	478.9	472.8	466.1	463.8	461.5	460.7	460.7
32.5°	568.3	567.2	563.9	551.8	546.3	533.7	521.9	515.1	507.5	503.8	501.3
35°	620.3	619.9	617.3	613.2	609.6	607.0	600.1	599.0	597.5	597.6	599.4
37.5°	658.7	655.9	655.3	656.2	655.1	655.6	661.1	668.8	675.4	678.7	678.1
40°	715.3	711.3	713.7	712.1	710.1	709.4	711.3	714.4	717.4	717.4	716.7
42.5°	789.4	791.3	792.1	785.5	781.0	779.9	784.2	783.4	786.3	785.2	782.2
45°	899.5	898.3	896.7	888.5	881.7	876.1	877.2	875.6	875.9	874.0	871.6
47.5°	1010.6	1014.5	1007.7	1003.7	995.9	991.9	995.1	992.3	997.7	988.0	983.3
50°	1118.2	1121.0	1118.8	1113.2	1113.2	1118.8	1122.7	1127.8	1135.2	1124.1	1107.4
52.5°	1206.4	1208.8	1212.2	1217.0	1228.4	1240.2	1256.9	1274.8	1288.9	1286.8	1267.9
55°	1260.3	1263.1	1269.0	1285.0	1305.5	1336.6	1374.5	1416.0	1448.5	1464.2	1450.4
57.5°	1278.5	1280.6	1296.4	1315.6	1347.5	1393.7	1457.1	1528.9	1591.3	1631.1	1624.8
60°	1274.3	1274.3	1290.4	1316.8	1361.5	1422.7	1512.3	1611.8	1707.5	1766.9	1758.1
62.5°	1230.5	1232.7	1255.8	1287.6	1341.5	1414.8	1521.7	1648.7	1763.2	1837.1	1829.8
65°	1134.3	1136.0	1160.8	1198.5	1258.8	1345.7	1462.5	1603.2	1734.5	1805.5	1792.0
67.5°	978.9	980.5	1000.7	1043.5	1107.2	1197.9	1323.9	1479.0	1607.4	1663.6	1623.2
70°	778.8	783.3	796.4	841.7	889.9	978.9	1095.0	1249.9	1371.1	1424.4	1379.8
72.5°	530.7	542.6	558.3	598.5	644.8	718.5	811.0	941.6	1038.8	1100.4	1060.7
75°	298.9	315.5	320.5	350.9	389.0	447.3	514.8	608.5	706.7	756.7	708.8
77.5°	129.1	142.8	148.8	163.0	192.7	217.2	258.2	321.5	397.3	432.4	375.1
80°	63.6	66.9	69.4	73.9	82.3	90.2	109.6	137.2	168.4	176.3	140.3
82.5°	49.3	51.6	56.0	59.5	61.6	63.6	65.5	69.2	72.2	73.8	69.6
85°	34.6	37.6	42.6	46.4	48.8	50.4	52.0	53.3	50.4	46.0	48.4
87.5°	9.0	11.8	16.5	17.8	20.2	21.5	20.9	21.6	19.5	14.1	15.8
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°	298.2	298.2	298.2	298.2	298.2	298.2	298.2	298.2
2.5°	299.8	299.6	299.8	299.9	299.9	299.6	299.6	299.6
5°	305.2	305.2	305.4	305.0	305.0	305.2	304.9	304.7
7.5°	314.2	314.0	314.0	313.8	314.0	313.8	313.8	313.6
10°	326.3	325.8	326.1	325.4	325.4	325.2	325.2	325.2
12.5°	339.3	338.7	338.9	338.1	337.0	337.2	337.4	337.2
15°	351.8	351.2	350.5	350.1	349.2	349.5	349.5	349.3
17.5°	364.7	363.3	363.0	362.4	362.1	362.1	362.1	362.3
20°	377.8	377.0	376.7	376.0	375.8	376.5	376.7	376.3
22.5°	392.0	391.6	392.0	391.5	392.2	392.7	393.0	392.5
25°	409.8	409.4	410.2	411.8	412.7	413.2	414.3	413.9
27.5°	433.0	432.4	434.1	436.4	437.8	440.1	441.2	441.8
30°	462.6	464.8	465.7	470.3	471.3	475.0	475.0	476.6
32.5°	505.9	509.8	516.8	523.9	533.9	541.1	541.1	544.9
35°	600.6	602.2	607.6	608.7	610.8	613.1	610.8	612.6
37.5°	673.3	666.1	660.9	653.8	649.3	649.3	649.8	649.3
40°	710.5	707.7	705.4	699.3	698.3	698.1	698.1	699.1
42.5°	776.8	770.2	766.4	761.3	759.7	759.2	759.0	759.5
45°	863.2	852.3	842.4	837.3	832.8	828.7	830.1	830.1
47.5°	963.7	946.9	930.6	921.8	914.1	910.7	908.4	907.6
50°	1086.2	1062.6	1041.7	1025.1	1014.0	1013.8	1014.9	1007.5
52.5°	1236.3	1198.9	1172.8	1150.5	1140.1	1138.9	1135.1	1131.0
55°	1402.5	1358.1	1315.2	1291.3	1277.5	1270.2	1265.7	1258.8
57.5°	1574.0	1514.2	1452.4	1414.1	1389.9	1373.3	1364.5	1360.5
60°	1706.1	1624.6	1543.0	1481.5	1441.3	1416.5	1401.1	1394.8
62.5°	1758.1	1647.6	1543.1	1462.2	1404.1	1369.7	1349.1	1340.1
65°	1696.1	1565.1	1446.2	1357.0	1292.2	1253.9	1231.3	1221.7
67.5°	1522.8	1407.2	1277.8	1189.1	1122.5	1084.6	1060.2	1053.0
70°	1276.7	1158.4	1034.8	955.6	896.2	865.3	840.0	837.0
72.5°	959.4	857.4	751.5	686.0	638.1	587.2	574.1	580.6
75°	614.9	519.6	425.3	366.2	322.6	273.8	255.0	259.7
77.5°	291.2	225.5	162.8	125.8	105.7	90.4	86.4	84.0
80°	108.0	87.6	77.3	73.4	70.7	68.0	66.2	64.1
82.5°	69.8	68.3	66.1	65.5	63.4	60.1	54.1	51.6
85°	52.2	52.2	49.5	49.6	48.1	43.8	38.3	35.3
87.5°	15.3	13.7	12.5	11.6	11.4	10.3	7.5	6.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)