

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: P691050

Luminaire Tested: **CRTK2-C013-5TLD-U-T3-7030-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691050
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-11)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C013-5TLD-U-T3-7030-U0
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE III OPTIC AND U0 SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3375 lumens
Efficiency: N/A
Efficacy: 145.5 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

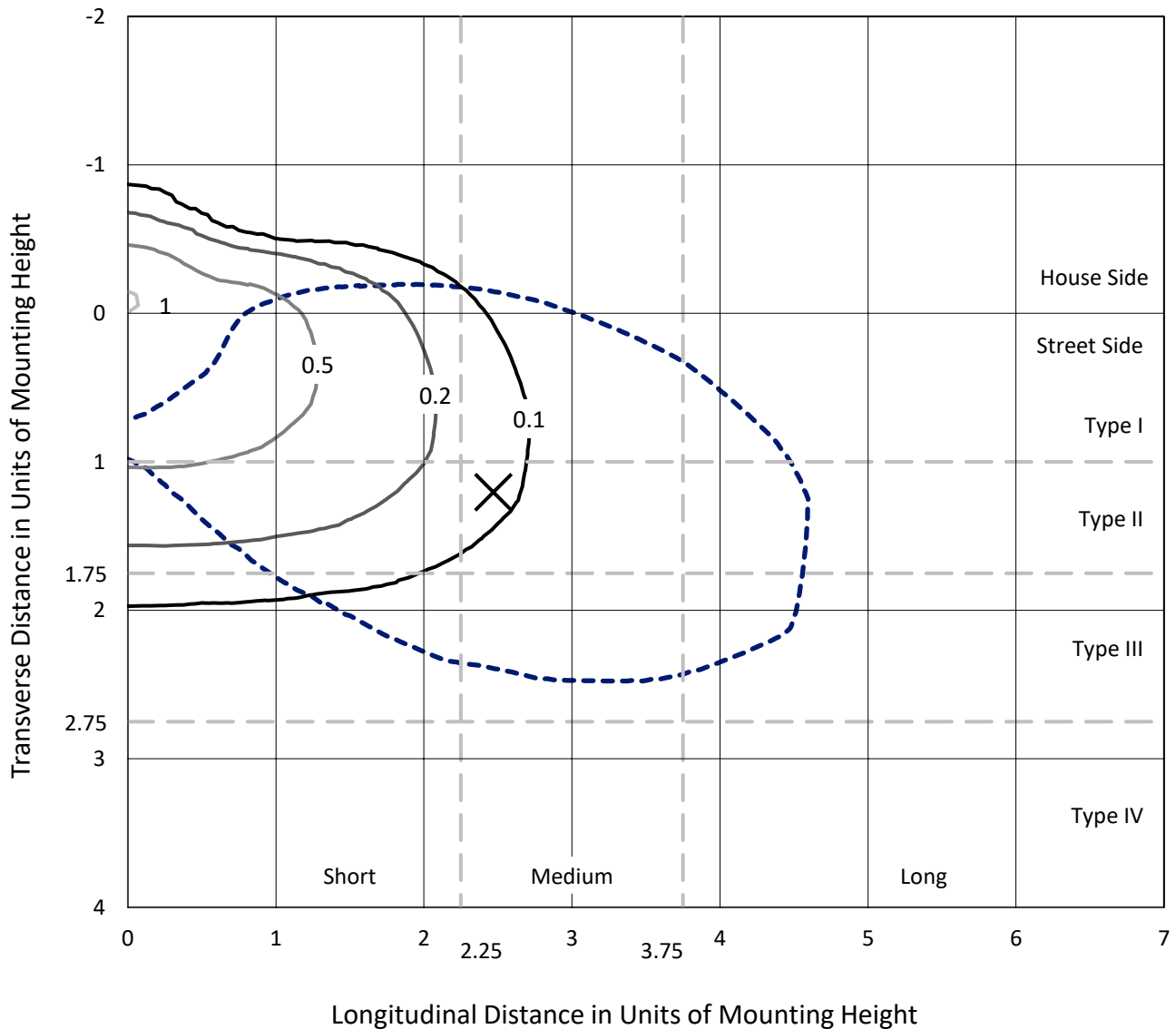
Input Watts (W): 23.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

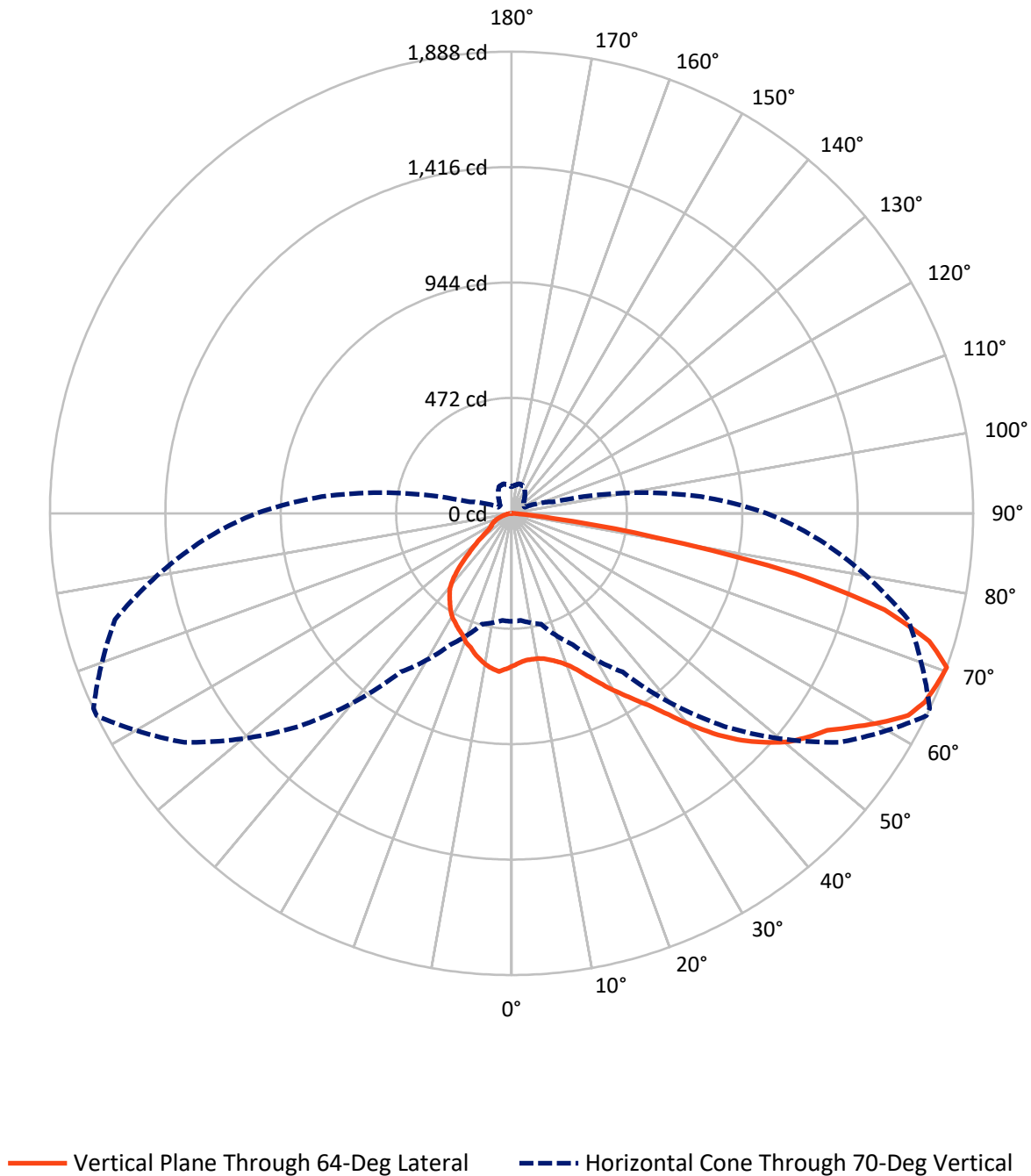
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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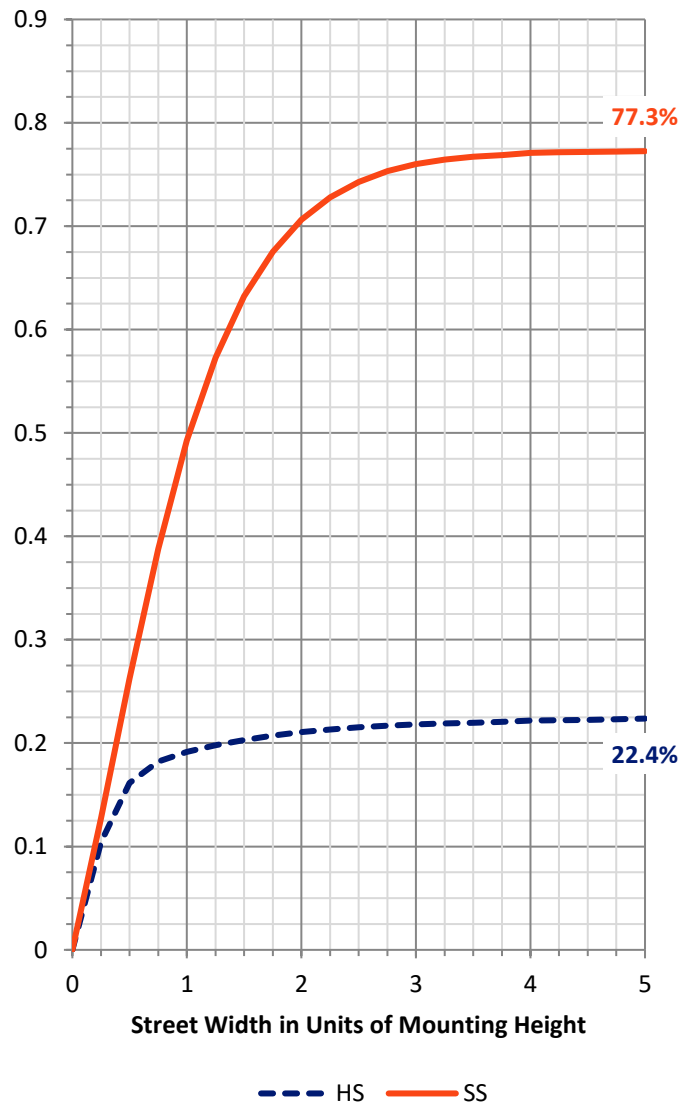
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	766.7	0.0	766.7
	% Fixture	22.7	0.0	22.7
Street Side	Lumens	2608.3	0.0	2608.3
	% Fixture	77.3	0.0	77.3
Total	Lumens	3375.0	0.0	3375.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.1	1.8
10°-20°	176.0	5.2
20°-30°	292.2	8.7
30°-40°	417.9	12.4
40°-50°	558.1	16.5
50°-60°	674.4	20.0
60°-70°	717.8	21.3
70°-80°	440.9	13.1
80°-90°	37.8	1.1
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°	3375.0	100.0
0°-180°	3375.0	100.0

Coefficient of Utilization



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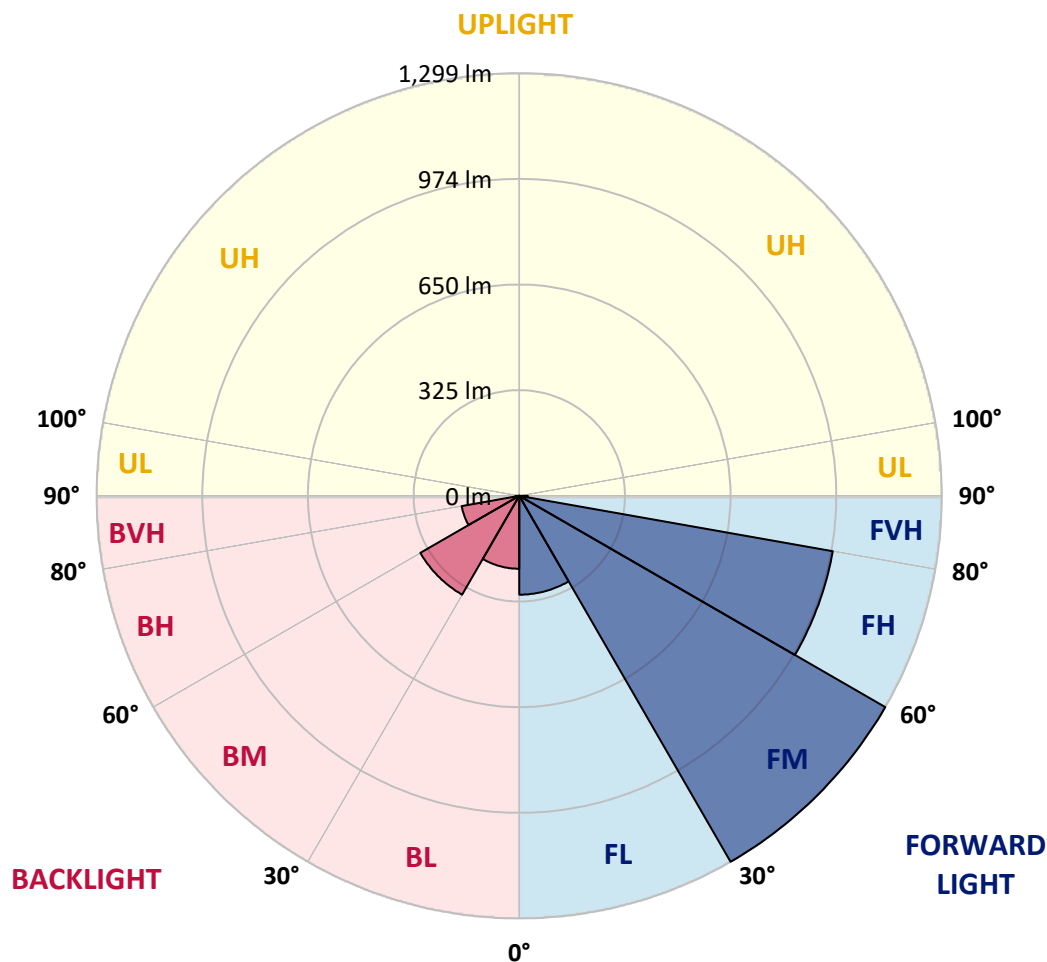
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	303.9	9.0			
FM	(30°-60°)	1299.3	38.5			
FH	(60°-80°)	978.9	29.0			G1/1800
FVH	(80°-90°)	26.2	0.8			G1/100
BL	(0°-30°)	224.3	6.6	B1/500		
BM	(30°-60°)	351.0	10.4	B1/1000		
BH	(60°-80°)	179.8	5.3	B1/500		G1/500
BVH	(80°-90°)	11.5	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	624.2	624.2	624.2	624.2	624.2	624.2	624.2	624.2	624.2	624.2	624.2
2.5°	609.3	609.3	609.3	609.3	610.4	611.6	610.4	611.6	611.6	613.9	617.3
5°	619.6	619.6	617.3	612.7	609.3	604.7	602.4	603.6	603.6	609.3	618.5
7.5°	623.1	623.1	620.8	620.8	617.3	607.0	603.6	602.4	603.6	605.9	618.5
10°	640.3	639.1	633.4	626.5	621.9	612.7	604.7	603.6	604.7	608.2	621.9
12.5°	658.6	658.6	656.3	650.6	638.0	628.8	615.0	610.4	609.3	612.7	620.8
15°	695.4	690.8	681.6	673.6	664.4	649.5	631.1	623.1	620.8	625.4	621.9
17.5°	717.2	713.7	714.9	702.2	694.2	673.6	655.2	640.3	639.1	643.7	628.8
20°	741.3	740.1	742.4	741.3	728.6	710.3	681.6	663.2	660.9	662.1	639.1
22.5°	778.0	778.0	776.8	776.8	769.9	748.1	716.0	697.7	694.2	686.2	656.3
25°	818.1	818.1	818.1	820.4	820.4	795.2	763.1	742.4	740.1	728.6	685.0
27.5°	856.0	858.3	859.4	860.6	864.0	852.6	817.0	792.9	791.7	776.8	722.9
30°	885.8	887.0	897.3	899.6	906.5	903.0	868.6	845.7	848.0	828.5	765.4
32.5°	912.2	913.4	928.3	936.3	944.4	945.5	916.8	900.8	900.8	883.5	817.0
35°	937.5	938.6	957.0	976.5	992.5	988.0	971.9	962.7	966.2	960.4	888.1
37.5°	959.3	963.9	988.0	1016.6	1035.0	1038.4	1031.6	1044.2	1051.1	1060.2	984.5
40°	979.9	982.2	1005.2	1035.0	1066.0	1082.0	1090.1	1141.7	1148.6	1155.5	1039.6
42.5°	960.4	965.0	1014.3	1059.1	1098.1	1125.7	1163.5	1239.2	1254.2	1216.3	1114.2
45°	937.5	943.2	992.5	1068.3	1123.4	1173.8	1243.8	1324.2	1335.6	1278.3	1154.3
47.5°	918.0	924.8	975.3	1060.2	1149.7	1239.2	1309.2	1399.9	1406.8	1331.0	1209.4
50°	896.2	901.9	955.8	1049.9	1163.5	1298.9	1378.1	1468.7	1471.0	1374.6	1238.1
52.5°	867.5	873.2	928.3	1033.9	1173.8	1339.1	1435.5	1519.2	1510.0	1430.9	1271.4
55°	830.8	838.8	898.5	1012.1	1179.6	1363.2	1474.5	1566.3	1561.7	1497.4	1315.0
57.5°	791.7	799.8	860.6	982.2	1173.8	1378.1	1514.6	1647.7	1646.6	1551.4	1347.1
60°	748.1	755.0	806.7	943.2	1142.9	1402.2	1603.0	1736.1	1745.3	1612.2	1359.7
62.5°	690.8	691.9	743.5	887.0	1102.7	1419.4	1666.1	1819.9	1814.1	1652.3	1362.0
65°	615.0	618.5	664.4	809.0	1037.3	1405.6	1682.2	1857.7	1857.7	1682.2	1359.7
67.5°	541.6	540.5	579.5	711.4	936.3	1344.8	1668.4	1873.8	1881.8	1701.7	1329.9
70°	441.8	439.5	469.3	592.1	791.7	1232.4	1632.8	1887.6	1886.4	1678.7	1266.8
72.5°	327.0	325.9	346.5	448.7	605.9	1054.5	1527.3	1786.6	1775.1	1568.6	1144.0
75°	181.3	172.1	171.0	277.7	352.3	739.0	1297.8	1575.5	1580.0	1386.1	958.1
77.5°	26.4	27.5	28.7	50.5	60.8	276.5	843.4	1187.6	1185.3	1069.4	698.8
80°	18.4	19.5	20.7	25.2	28.7	65.4	291.5	599.0	633.4	562.3	322.4
82.5°	13.8	13.8	14.9	17.2	16.1	29.8	90.6	166.4	172.1	156.1	95.2
85°	9.2	9.2	8.0	9.2	5.7	8.0	20.7	31.0	33.3	32.1	26.4
87.5°	4.6	4.6	3.4	3.4	2.3	2.3	2.3	1.1	2.3	1.1	2.3
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°	624.2	624.2	624.2	624.2	624.2	624.2	624.2	624.2	624.2	624.2	624.2
2.5°	620.8	623.1	630.0	635.7	642.6	650.6	655.2	659.8	664.4	662.1	665.5
5°	623.1	627.7	638.0	648.3	654.0	655.2	656.3	659.8	666.7	666.7	672.4
7.5°	625.4	633.4	633.4	639.1	647.2	649.5	650.6	652.9	656.3	657.5	656.3
10°	625.4	621.9	627.7	628.8	625.4	631.1	634.5	633.4	636.8	638.0	638.0
12.5°	618.5	617.3	612.7	612.7	611.6	602.4	602.4	611.6	611.6	617.3	618.5
15°	618.5	609.3	603.6	595.5	587.5	584.1	579.5	572.6	574.9	582.9	585.2
17.5°	617.3	607.0	589.8	573.7	568.0	554.2	549.6	549.6	548.5	553.1	554.2
20°	621.9	607.0	580.6	562.3	531.3	526.7	517.5	518.6	519.8	512.9	509.5
22.5°	634.5	616.2	573.7	538.2	514.1	493.4	476.2	464.7	463.6	460.1	463.6
25°	654.0	632.2	574.9	524.4	485.4	455.5	444.1	416.5	403.9	405.1	411.9
27.5°	689.6	651.8	580.6	509.5	462.4	420.0	383.2	366.0	352.3	352.3	354.6
30°	722.9	681.6	578.3	496.8	426.9	374.1	327.0	299.5	294.9	290.3	289.2
32.5°	784.9	719.5	601.3	478.5	393.6	315.5	268.5	230.6	234.1	235.2	237.5
35°	846.8	780.3	605.9	455.5	345.4	257.0	207.7	187.0	196.2	198.5	200.8
37.5°	929.4	856.0	636.8	434.9	296.0	197.4	165.2	156.1	165.2	165.2	166.4
40°	974.2	891.6	662.1	414.2	231.8	145.7	129.7	122.8	134.3	143.4	145.7
42.5°	1037.3	937.5	685.0	372.9	164.1	109.0	99.8	113.6	132.0	141.1	142.3
45°	1069.4	960.4	677.0	317.8	107.9	88.4	97.5	114.7	133.1	142.3	143.4
47.5°	1113.0	992.5	660.9	253.6	86.1	87.2	98.7	118.2	136.5	144.6	145.7
50°	1155.5	1025.8	619.6	202.0	82.6	87.2	101.0	119.3	135.4	141.1	140.0
52.5°	1179.6	1056.8	566.8	153.8	82.6	88.4	103.3	121.6	134.3	135.4	135.4
55°	1201.4	1060.2	523.2	119.3	81.5	89.5	105.6	123.9	135.4	135.4	133.1
57.5°	1215.2	1046.5	490.0	103.3	81.5	89.5	105.6	123.9	141.1	144.6	141.1
60°	1209.4	1020.1	467.0	96.4	79.2	88.4	104.4	127.4	173.3	181.3	174.4
62.5°	1195.6	1005.2	417.7	88.4	75.7	84.9	102.1	137.7	185.9	187.0	181.3
65°	1183.0	955.8	358.0	79.2	71.1	81.5	98.7	140.0	157.2	151.5	150.3
67.5°	1125.7	891.6	273.1	70.0	64.3	76.9	95.2	128.5	140.0	133.1	130.8
70°	1044.2	779.1	182.4	59.7	57.4	71.1	95.2	120.5	125.1	113.6	109.0
72.5°	895.0	644.9	99.8	48.2	48.2	65.4	86.1	112.5	115.9	102.1	94.1
75°	728.6	467.0	64.3	36.7	36.7	55.1	78.0	106.7	113.6	98.7	88.4
77.5°	501.4	255.9	44.8	26.4	24.1	42.5	62.0	87.2	101.0	84.9	72.3
80°	169.8	67.7	28.7	17.2	14.9	24.1	41.3	67.7	91.8	87.2	78.0
82.5°	66.6	42.5	19.5	11.5	10.3	11.5	20.7	42.5	73.4	79.2	91.8
85°	19.5	11.5	6.9	5.7	5.7	5.7	5.7	17.2	43.6	57.4	72.3
87.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	10.3	18.4	24.1
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)