

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: P691110

Luminaire Tested: **CRTK2-C013-D-U-T2-7030-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691110
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C013-D-U-T2-7030-U0
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE II OPTIC AND U0 SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2823 lumens
Efficiency: N/A
Efficacy: 138.4 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

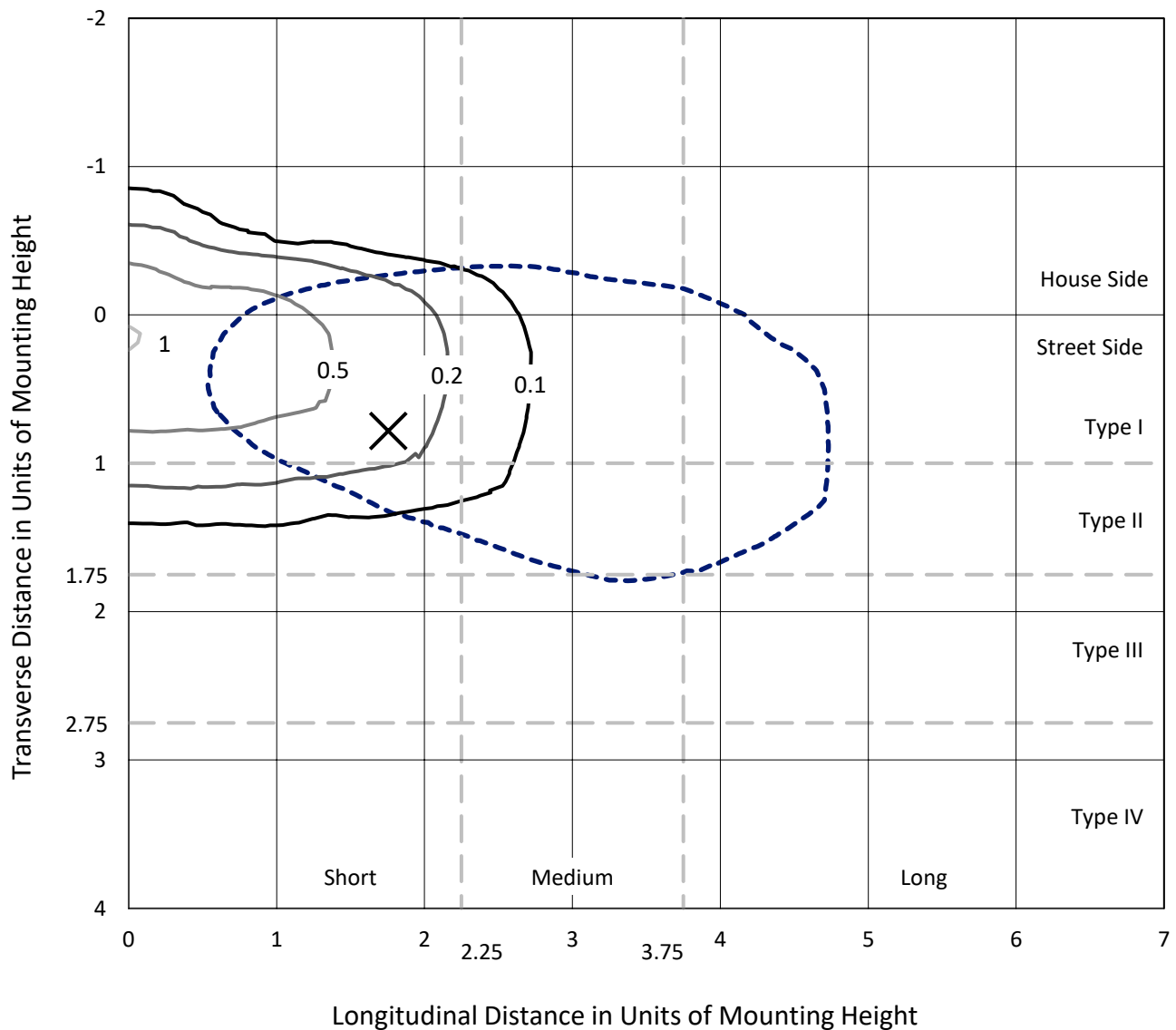
Input Watts (W): 20.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

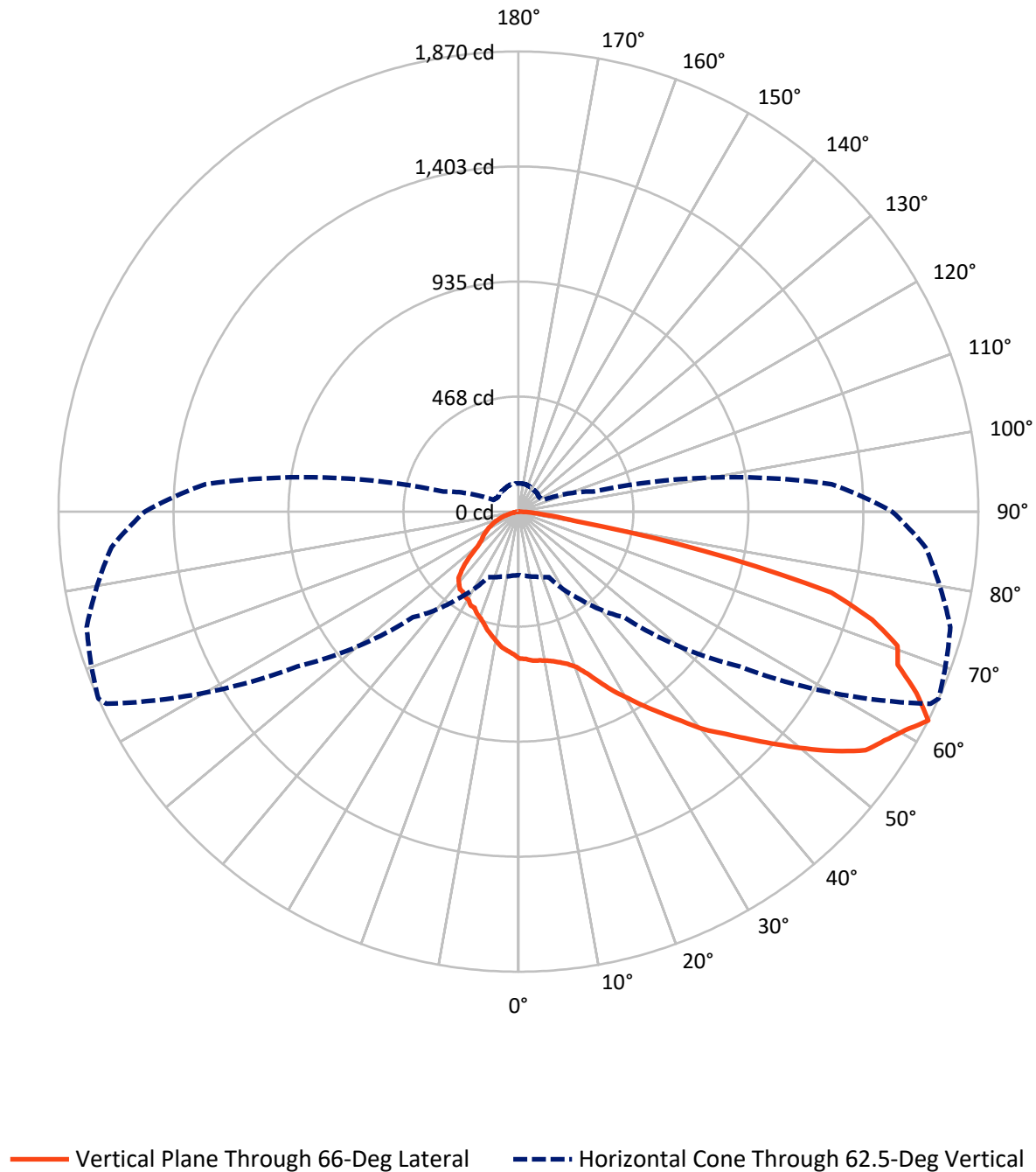
× Max cd
- - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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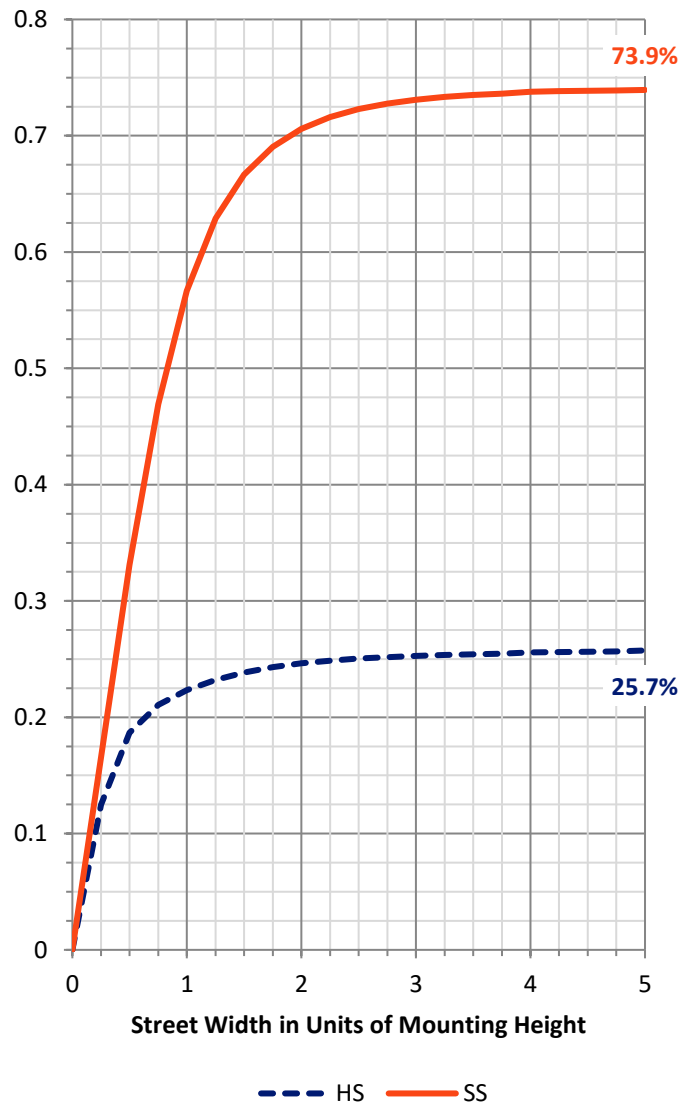
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	737.6	0.0	737.6
	% Fixture	26.1	0.0	26.1
Street Side	Lumens	2085.4	0.0	2085.4
	% Fixture	73.9	0.0	73.9
Total	Lumens	2823.0	0.0	2823.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.9	2.0
10°-20°	158.5	5.6
20°-30°	257.4	9.1
30°-40°	371.3	13.2
40°-50°	482.9	17.1
50°-60°	560.9	19.9
60°-70°	555.0	19.7
70°-80°	343.8	12.2
80°-90°	37.3	1.3
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°	2823.0	100.0
0°-180°	2823.0	100.0

Coefficient of Utilization



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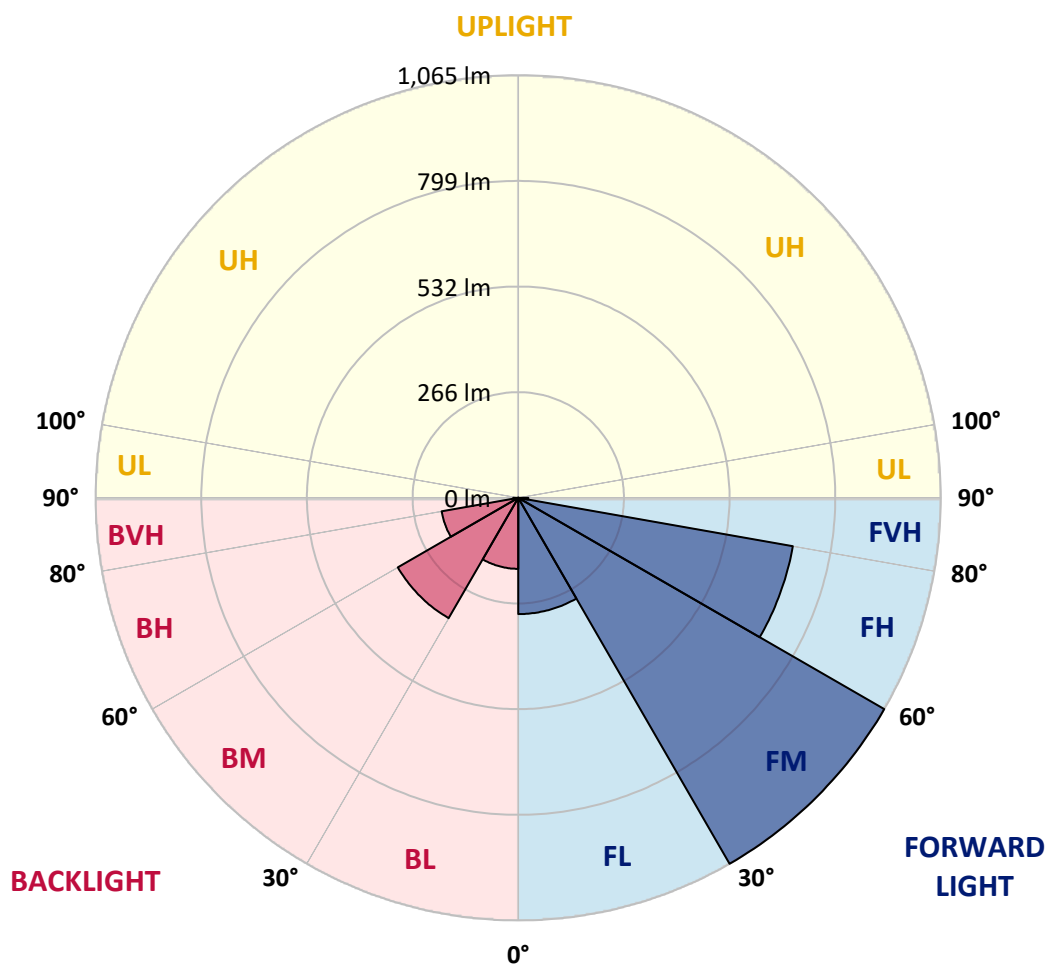
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	292.9	10.4			
FM	(30°-60°)	1064.9	37.7			
FH	(60°-80°)	702.6	24.9			G1/1800
FVH	(80°-90°)	25.0	0.9			G1/100
BL	(0°-30°)	178.9	6.3	B1/500		
BM	(30°-60°)	350.2	12.4	B1/1000		
BH	(60°-80°)	196.2	6.9	B1/500		G1/500
BVH	(80°-90°)	12.3	0.4			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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	597.1	597.1	597.1	597.1	597.1	597.1	597.1	597.1	597.1	597.1	597.1
2.5°	618.5	618.5	620.4	613.6	609.8	606.8	603.9	601.0	600.0	597.1	593.2
5°	645.7	645.7	646.7	639.9	632.1	623.3	614.6	608.8	608.8	602.0	592.3
7.5°	660.2	660.2	660.2	652.5	647.6	641.8	628.2	611.7	610.7	603.9	590.3
10°	660.2	660.2	664.1	652.5	648.6	642.8	635.0	617.5	615.6	600.0	581.6
12.5°	671.9	673.8	671.9	659.3	655.4	650.5	639.9	625.3	624.3	603.9	577.7
15°	688.4	689.4	686.5	677.7	673.8	666.1	653.4	637.9	636.0	611.7	580.6
17.5°	692.3	693.3	695.2	684.5	684.5	681.6	674.8	656.4	651.5	630.1	589.4
20°	690.3	691.3	694.2	692.3	693.3	691.3	696.2	680.6	674.8	651.5	603.0
22.5°	699.1	701.0	706.9	707.8	711.7	715.6	717.5	718.5	714.6	687.4	631.1
25°	702.0	707.8	715.6	726.3	739.9	747.6	758.3	769.0	768.0	740.8	677.7
27.5°	688.4	695.2	719.5	736.0	766.1	787.4	811.7	826.3	826.3	803.9	731.1
30°	701.0	703.9	716.6	739.9	774.8	823.4	861.2	879.7	881.6	867.1	783.6
32.5°	674.8	681.6	712.7	757.3	810.7	864.1	902.0	941.8	943.8	938.9	860.3
35°	671.9	675.8	693.3	740.8	809.8	902.0	952.5	1003.0	1007.8	1013.7	935.0
37.5°	641.8	649.6	683.5	742.8	837.0	927.3	995.2	1072.9	1080.7	1099.1	999.1
40°	609.8	615.6	643.7	707.8	828.2	959.3	1037.0	1155.4	1165.1	1180.7	1087.5
42.5°	566.1	577.7	626.3	693.3	824.3	969.0	1083.6	1231.2	1235.0	1262.2	1157.4
45°	525.3	529.2	566.1	642.8	790.4	983.6	1118.5	1316.6	1319.5	1337.0	1215.6
47.5°	492.3	497.1	535.0	600.0	759.3	979.7	1153.5	1399.1	1412.7	1432.1	1286.5
50°	390.3	401.0	501.0	563.2	705.9	972.9	1181.6	1498.2	1513.7	1532.2	1362.2
52.5°	336.9	341.8	392.3	526.3	653.4	943.8	1207.9	1599.2	1617.6	1607.9	1458.4
55°	313.6	316.5	339.8	453.4	606.8	888.4	1227.3	1693.3	1712.8	1666.1	1534.1
57.5°	297.1	301.0	314.6	370.9	554.4	791.3	1229.2	1748.7	1755.5	1714.7	1565.2
60°	274.8	277.7	297.1	324.3	493.2	689.4	1194.3	1773.0	1805.0	1766.2	1635.1
62.5°	258.3	261.2	273.8	294.2	434.0	607.8	1097.2	1848.7	1870.0	1817.6	1661.3
65°	238.9	238.9	251.5	271.9	396.1	558.3	1046.7	1824.4	1777.8	1803.1	1693.3
67.5°	210.7	212.6	225.3	241.8	332.1	510.7	922.4	1711.8	1663.2	1733.1	1608.9
70°	187.4	185.5	199.0	211.7	271.9	450.5	764.1	1595.3	1635.1	1627.3	1531.2
72.5°	156.3	154.4	166.0	179.6	219.4	373.8	603.9	1480.7	1504.0	1455.5	1358.4
75°	121.4	109.7	126.2	143.7	172.8	296.1	428.2	1226.3	1313.7	1372.0	1158.3
77.5°	19.4	19.4	24.3	34.0	56.3	150.5	191.3	673.8	772.9	1168.1	1015.6
80°	15.5	15.5	17.5	23.3	34.0	82.5	64.1	208.8	233.0	503.9	584.5
82.5°	8.7	8.7	12.6	15.5	21.4	25.2	28.2	101.9	113.6	178.7	226.2
85°	4.9	4.9	6.8	7.8	8.7	8.7	8.7	46.6	52.4	95.2	102.9
87.5°	2.9	2.9	2.9	2.9	2.9	1.9	1.0	1.0	1.0	1.0	1.0
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°	597.1	597.1	597.1	597.1	597.1	597.1	597.1	597.1	597.1	597.1	597.1
2.5°	591.3	588.4	583.5	579.7	576.7	573.8	569.0	566.1	566.1	570.9	571.9
5°	586.5	579.7	570.9	567.0	562.2	557.3	549.6	545.7	544.7	547.6	549.6
7.5°	582.6	572.9	564.1	554.4	539.8	527.2	520.4	515.6	517.5	522.4	520.4
10°	570.9	562.2	548.6	534.0	516.5	505.9	495.2	489.4	490.3	493.2	490.3
12.5°	566.1	554.4	532.1	514.6	499.1	478.7	465.1	456.3	456.3	461.2	461.2
15°	566.1	548.6	518.5	497.1	472.9	452.5	436.9	429.2	434.0	431.1	429.2
17.5°	570.9	543.7	509.7	473.8	444.7	424.3	405.9	395.2	398.1	400.0	398.1
20°	576.7	543.7	499.1	455.4	421.4	392.3	371.9	360.2	359.3	360.2	362.2
22.5°	596.2	556.4	492.3	443.7	392.3	364.1	343.7	323.3	322.4	321.4	323.3
25°	629.2	579.7	497.1	422.4	375.8	334.0	308.8	291.3	285.5	284.5	286.4
27.5°	683.5	620.4	504.9	419.4	345.7	307.8	276.7	257.3	251.5	253.4	252.4
30°	742.8	672.9	527.2	399.1	328.2	269.0	239.8	223.3	217.5	213.6	214.6
32.5°	786.5	725.3	555.4	392.3	294.2	227.2	205.8	196.1	189.3	184.5	183.5
35°	855.4	770.0	580.6	376.7	264.1	200.0	182.5	171.9	168.0	165.1	165.1
37.5°	921.4	824.3	605.9	371.9	225.3	181.6	160.2	153.4	151.5	149.5	149.5
40°	987.5	879.7	620.4	352.5	194.2	159.2	138.8	137.9	140.8	138.8	139.8
42.5°	1069.0	937.0	635.0	334.0	171.9	135.9	124.3	132.0	137.9	138.8	138.8
45°	1125.3	975.8	640.8	289.3	148.6	118.5	121.4	130.1	136.9	139.8	138.8
47.5°	1176.8	1028.2	632.1	235.0	129.1	115.5	120.4	126.2	135.9	139.8	139.8
50°	1227.3	1071.9	624.3	173.8	122.3	116.5	120.4	123.3	134.0	137.9	137.9
52.5°	1298.2	1106.9	598.1	145.6	116.5	117.5	123.3	122.3	131.1	136.9	138.8
55°	1396.2	1188.4	547.6	137.9	115.5	116.5	123.3	123.3	129.1	134.0	136.9
57.5°	1439.9	1223.4	462.2	130.1	112.6	115.5	120.4	121.4	128.2	131.1	130.1
60°	1489.4	1267.1	378.7	121.4	107.8	113.6	115.5	119.4	124.3	124.3	123.3
62.5°	1519.5	1277.8	315.6	111.7	101.9	106.8	106.8	110.7	114.6	114.6	114.6
65°	1534.1	1267.1	235.9	102.9	95.2	99.0	98.1	100.0	102.9	98.1	98.1
67.5°	1476.8	1227.3	163.1	91.3	87.4	91.3	90.3	91.3	90.3	86.4	87.4
70°	1378.7	1115.6	112.6	77.7	76.7	83.5	84.5	82.5	76.7	73.8	73.8
72.5°	1255.4	895.2	77.7	62.1	65.1	73.8	75.7	71.9	66.0	63.1	63.1
75°	1138.9	773.8	55.3	42.7	43.7	56.3	60.2	60.2	58.3	77.7	82.5
77.5°	792.3	501.0	32.0	22.3	21.4	32.0	36.9	37.9	72.8	78.6	76.7
80°	469.9	235.9	23.3	13.6	13.6	18.4	25.2	49.5	83.5	56.3	50.5
82.5°	179.6	90.3	14.6	8.7	7.8	9.7	14.6	76.7	48.5	32.0	29.1
85°	65.1	22.3	6.8	4.9	4.9	5.8	8.7	65.1	34.0	24.3	23.3
87.5°	1.0	1.0	1.9	1.9	1.9	1.0	1.0	1.9	1.9	1.9	1.0
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)