

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: P691142

Luminaire Tested: **CRTK2-C013-D-U-T3-7030-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691142
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-D-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: 2856 lumens
Efficiency: N/A
Efficacy: 140.0 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

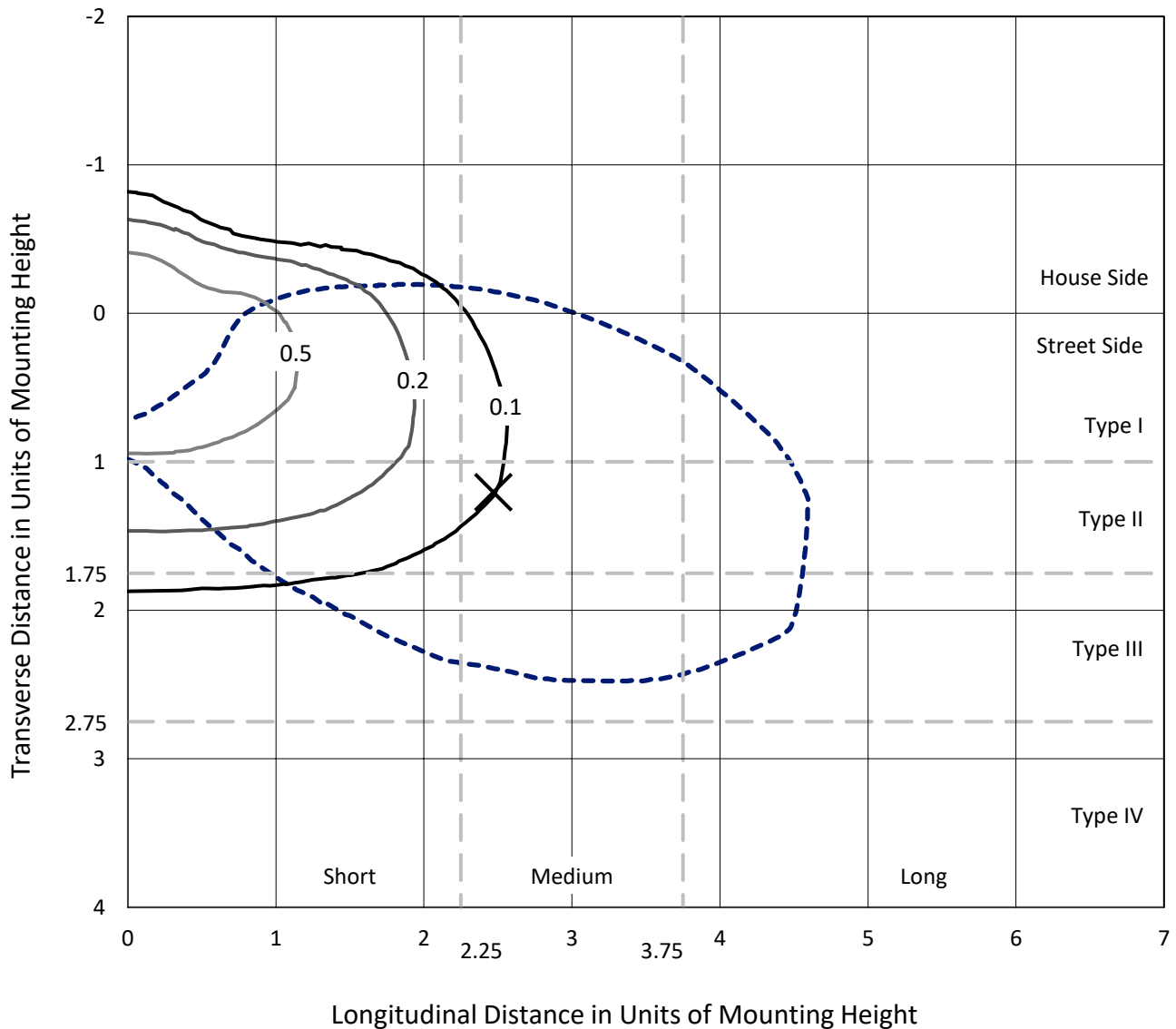
Input Watts (W): 20.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

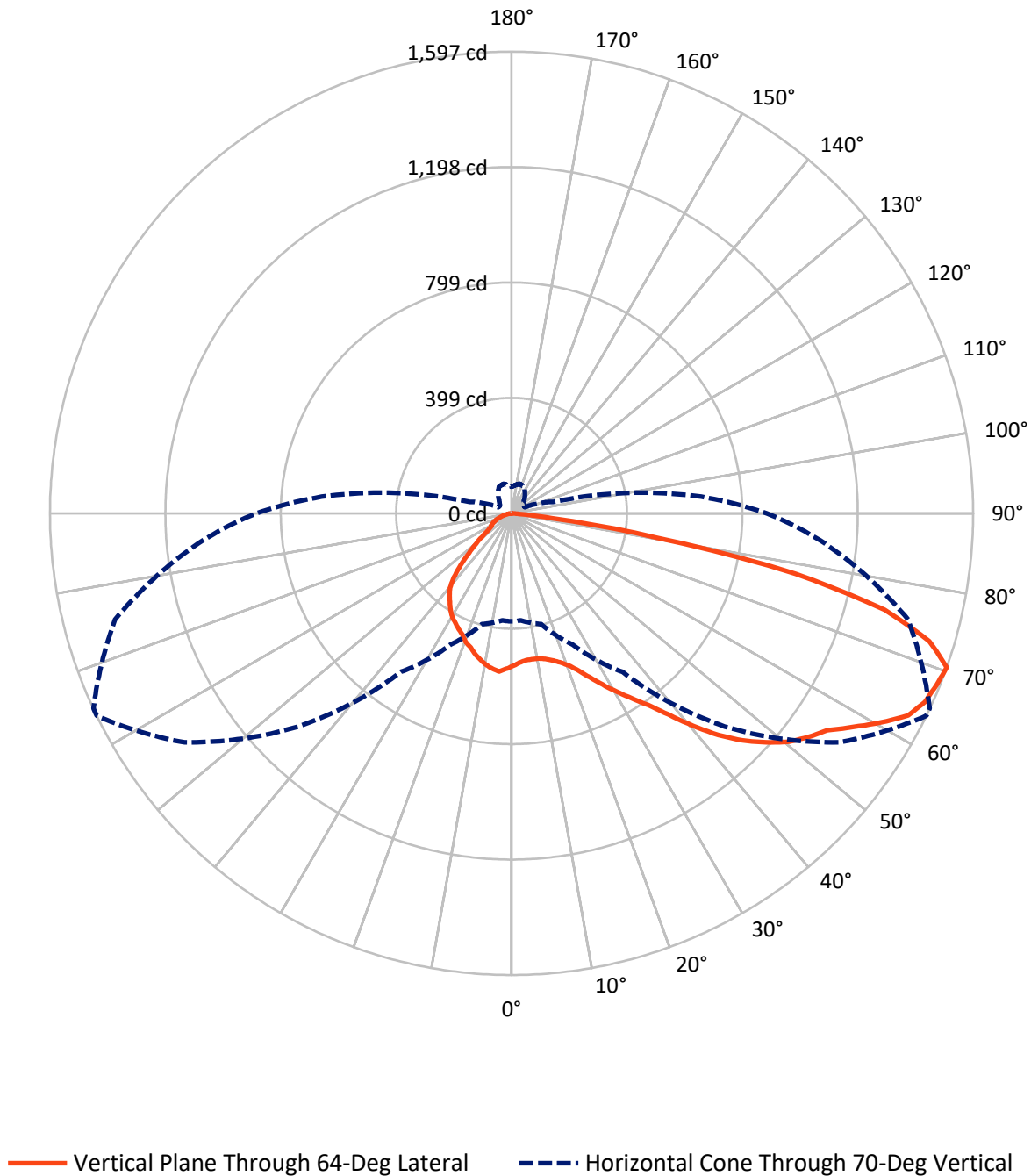
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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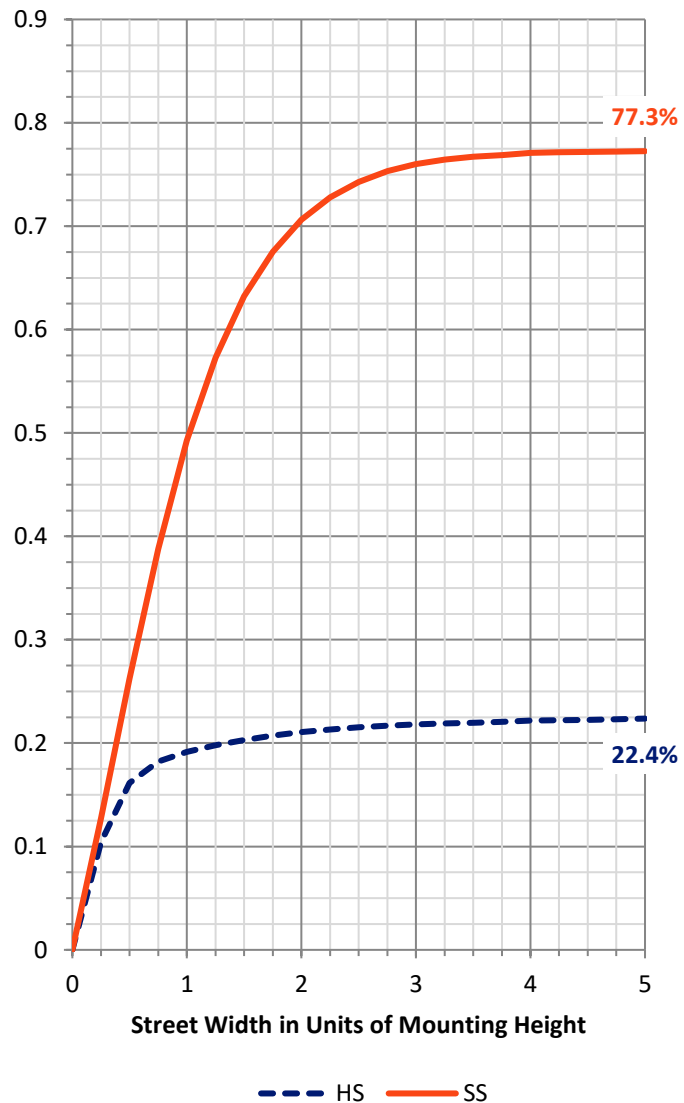
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	648.8	0.0	648.8
	% Fixture	22.7	0.0	22.7
Street Side	Lumens	2207.2	0.0	2207.2
	% Fixture	77.3	0.0	77.3
Total	Lumens	2856.0	0.0	2856.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.8	1.8
10°-20°	148.9	5.2
20°-30°	247.2	8.7
30°-40°	353.6	12.4
40°-50°	472.2	16.5
50°-60°	570.7	20.0
60°-70°	607.4	21.3
70°-80°	373.1	13.1
80°-90°	31.9	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°	2856.0	100.0
0°-180°	2856.0	100.0

Coefficient of Utilization



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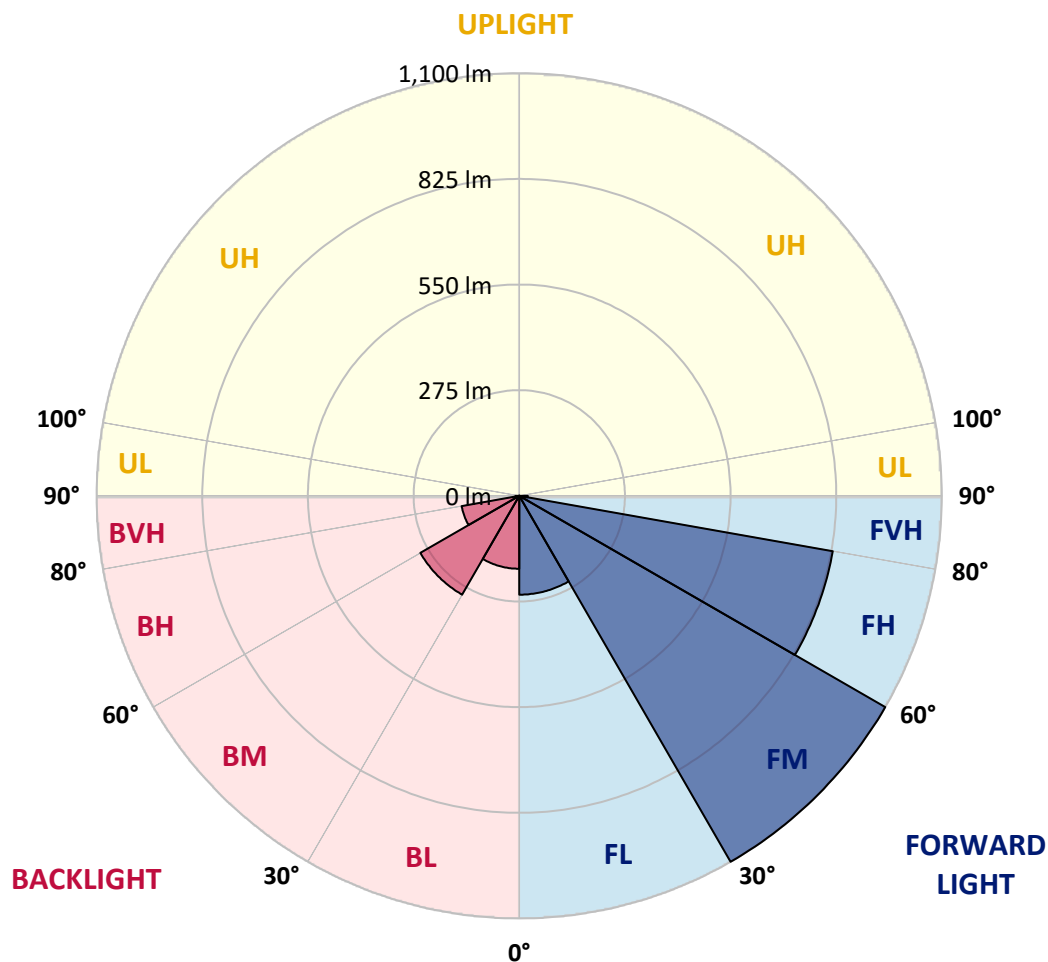
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	257.2	9.0			
FM	(30°-60°)	1099.5	38.5			
FH	(60°-80°)	828.3	29.0			G1/1800
FVH	(80°-90°)	22.2	0.8			G1/100
BL	(0°-30°)	189.8	6.6	B1/500		
BM	(30°-60°)	297.1	10.4	B1/1000		
BH	(60°-80°)	152.2	5.3	B1/500		G1/500
BVH	(80°-90°)	9.8	0.3			G0/10
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°	528.2	528.2	528.2	528.2	528.2	528.2	528.2	528.2	528.2	528.2	528.2
2.5°	515.6	515.6	515.6	515.6	516.6	517.5	516.6	517.5	517.5	519.5	522.4
5°	524.3	524.3	522.4	518.5	515.6	511.7	509.8	510.7	510.7	515.6	523.4
7.5°	527.3	527.3	525.3	525.3	522.4	513.7	510.7	509.8	510.7	512.7	523.4
10°	541.8	540.8	536.0	530.2	526.3	518.5	511.7	510.7	511.7	514.6	526.3
12.5°	557.4	557.4	555.4	550.6	539.9	532.1	520.5	516.6	515.6	518.5	525.3
15°	588.4	584.5	576.8	570.0	562.2	549.6	534.1	527.3	525.3	529.2	526.3
17.5°	606.9	604.0	604.9	594.3	587.5	570.0	554.4	541.8	540.8	544.7	532.1
20°	627.3	626.3	628.2	627.3	616.6	601.0	576.8	561.2	559.3	560.3	540.8
22.5°	658.3	658.3	657.4	657.4	651.5	633.1	605.9	590.4	587.5	580.7	555.4
25°	692.3	692.3	692.3	694.3	694.3	672.9	645.7	628.2	626.3	616.6	579.7
27.5°	724.4	726.3	727.3	728.3	731.2	721.5	691.4	671.0	670.0	657.4	611.7
30°	749.6	750.6	759.3	761.3	767.1	764.2	735.0	715.6	717.6	701.1	647.7
32.5°	771.9	772.9	785.5	792.3	799.1	800.1	775.8	762.2	762.2	747.7	691.4
35°	793.3	794.3	809.8	826.3	839.9	836.0	822.4	814.7	817.6	812.7	751.6
37.5°	811.8	815.6	836.0	860.3	875.8	878.8	872.9	883.6	889.4	897.2	833.1
40°	829.2	831.2	850.6	875.8	902.1	915.7	922.5	966.1	972.0	977.8	879.7
42.5°	812.7	816.6	858.4	896.2	929.2	952.6	984.6	1048.7	1061.3	1029.3	942.8
45°	793.3	798.2	839.9	904.0	950.6	993.3	1052.6	1120.5	1130.2	1081.7	976.8
47.5°	776.8	782.6	825.4	897.2	972.9	1048.7	1107.9	1184.6	1190.4	1126.4	1023.4
50°	758.4	763.2	808.8	888.5	984.6	1099.2	1166.2	1242.9	1244.8	1163.3	1047.7
52.5°	734.1	738.9	785.5	874.9	993.3	1133.2	1214.7	1285.6	1277.8	1210.8	1075.9
55°	703.0	709.8	760.3	856.4	998.2	1153.5	1247.7	1325.4	1321.5	1267.2	1112.8
57.5°	670.0	676.8	728.3	831.2	993.3	1166.2	1281.7	1394.4	1393.4	1312.8	1140.0
60°	633.1	638.9	682.6	798.2	967.1	1186.6	1356.5	1469.1	1476.9	1364.3	1150.6
62.5°	584.5	585.5	629.2	750.6	933.1	1201.1	1409.9	1540.0	1535.2	1398.2	1152.6
65°	520.5	523.4	562.2	684.6	877.8	1189.5	1423.5	1572.0	1572.0	1423.5	1150.6
67.5°	458.3	457.3	490.4	602.0	792.3	1138.0	1411.8	1585.6	1592.4	1440.0	1125.4
70°	373.8	371.9	397.1	501.0	670.0	1042.9	1381.7	1597.3	1596.3	1420.6	1072.0
72.5°	276.7	275.8	293.2	379.7	512.7	892.3	1292.4	1511.8	1502.1	1327.4	968.1
75°	153.4	145.7	144.7	235.0	298.1	625.3	1098.2	1333.2	1337.1	1173.0	810.8
77.5°	22.3	23.3	24.3	42.7	51.5	234.0	713.7	1005.0	1003.0	905.0	591.3
80°	15.5	16.5	17.5	21.4	24.3	55.3	246.6	506.9	536.0	475.8	272.9
82.5°	11.7	11.7	12.6	14.6	13.6	25.2	76.7	140.8	145.7	132.1	80.6
85°	7.8	7.8	6.8	7.8	4.9	6.8	17.5	26.2	28.2	27.2	22.3
87.5°	3.9	3.9	2.9	2.9	1.9	1.9	1.9	1.0	1.9	1.0	1.9
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°	528.2	528.2	528.2	528.2	528.2	528.2	528.2	528.2	528.2	528.2	528.2
2.5°	525.3	527.3	533.1	537.9	543.8	550.6	554.4	558.3	562.2	560.3	563.2
5°	527.3	531.1	539.9	548.6	553.5	554.4	555.4	558.3	564.2	564.2	569.0
7.5°	529.2	536.0	536.0	540.8	547.6	549.6	550.6	552.5	555.4	556.4	555.4
10°	529.2	526.3	531.1	532.1	529.2	534.1	537.0	536.0	538.9	539.9	539.9
12.5°	523.4	522.4	518.5	518.5	517.5	509.8	509.8	517.5	517.5	522.4	523.4
15°	523.4	515.6	510.7	503.9	497.2	494.2	490.4	484.5	486.5	493.3	495.2
17.5°	522.4	513.7	499.1	485.5	480.6	469.0	465.1	465.1	464.1	468.0	469.0
20°	526.3	513.7	491.3	475.8	449.6	445.7	437.9	438.9	439.9	434.0	431.1
22.5°	537.0	521.4	485.5	455.4	435.0	417.5	403.0	393.3	392.3	389.4	392.3
25°	553.5	535.0	486.5	443.7	410.7	385.5	375.8	352.5	341.8	342.8	348.6
27.5°	583.6	551.5	491.3	431.1	391.3	355.4	324.3	309.7	298.1	298.1	300.0
30°	611.7	576.8	489.4	420.4	361.2	316.5	276.7	253.4	249.5	245.7	244.7
32.5°	664.2	608.8	508.8	404.9	333.1	267.0	227.2	195.2	198.1	199.1	201.0
35°	716.6	660.3	512.7	385.5	292.3	217.5	175.8	158.3	166.0	168.0	169.9
37.5°	786.5	724.4	538.9	368.0	250.5	167.0	139.8	132.1	139.8	139.8	140.8
40°	824.4	754.5	560.3	350.5	196.1	123.3	109.7	103.9	113.6	121.4	123.3
42.5°	877.8	793.3	579.7	315.6	138.9	92.2	84.5	96.1	111.7	119.4	120.4
45°	905.0	812.7	572.9	269.0	91.3	74.8	82.5	97.1	112.6	120.4	121.4
47.5°	941.9	839.9	559.3	214.6	72.8	73.8	83.5	100.0	115.5	122.3	123.3
50°	977.8	868.1	524.3	170.9	69.9	73.8	85.4	101.0	114.6	119.4	118.5
52.5°	998.2	894.3	479.7	130.1	69.9	74.8	87.4	102.9	113.6	114.6	114.6
55°	1016.6	897.2	442.8	101.0	68.9	75.7	89.3	104.9	114.6	114.6	112.6
57.5°	1028.3	885.6	414.6	87.4	68.9	75.7	89.3	104.9	119.4	122.3	119.4
60°	1023.4	863.2	395.2	81.6	67.0	74.8	88.4	107.8	146.6	153.4	147.6
62.5°	1011.8	850.6	353.4	74.8	64.1	71.9	86.4	116.5	157.3	158.3	153.4
65°	1001.1	808.8	303.0	67.0	60.2	68.9	83.5	118.5	133.0	128.2	127.2
67.5°	952.6	754.5	231.1	59.2	54.4	65.1	80.6	108.8	118.5	112.6	110.7
70°	883.6	659.3	154.4	50.5	48.6	60.2	80.6	102.0	105.8	96.1	92.2
72.5°	757.4	545.7	84.5	40.8	40.8	55.3	72.8	95.2	98.1	86.4	79.6
75°	616.6	395.2	54.4	31.1	31.1	46.6	66.0	90.3	96.1	83.5	74.8
77.5°	424.3	216.5	37.9	22.3	20.4	35.9	52.4	73.8	85.4	71.9	61.2
80°	143.7	57.3	24.3	14.6	12.6	20.4	35.0	57.3	77.7	73.8	66.0
82.5°	56.3	35.9	16.5	9.7	8.7	9.7	17.5	35.9	62.1	67.0	77.7
85°	16.5	9.7	5.8	4.9	4.9	4.9	4.9	14.6	36.9	48.6	61.2
87.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	8.7	15.5	20.4
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)