

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: P691058

Luminaire Tested: **CRTK2-C013-5TLD-U-T3-7040-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691058
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-T3-7040-U0
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE III OPTIC AND U0 SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3475 lumens
Efficiency: N/A
Efficacy: 149.8 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

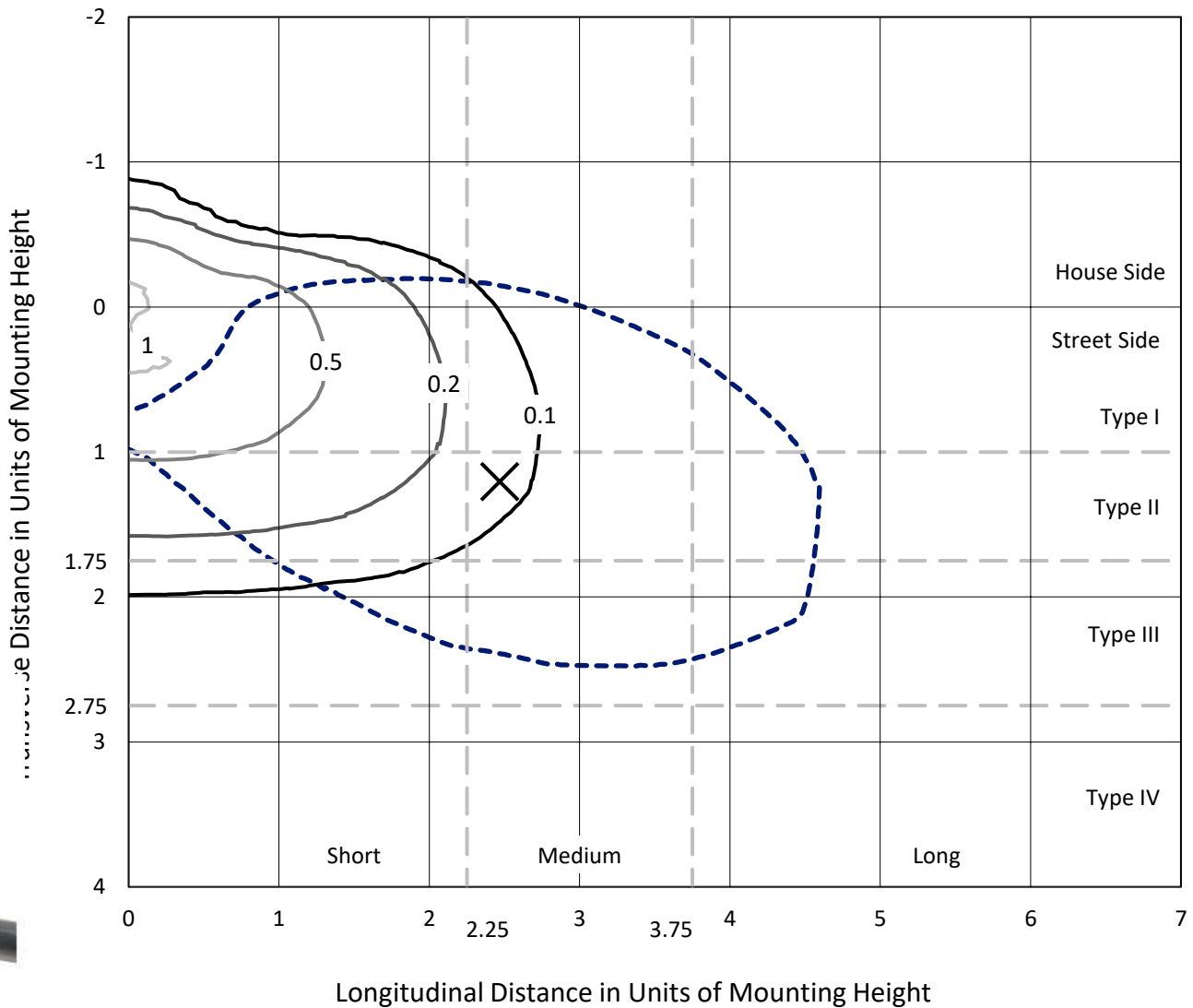


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

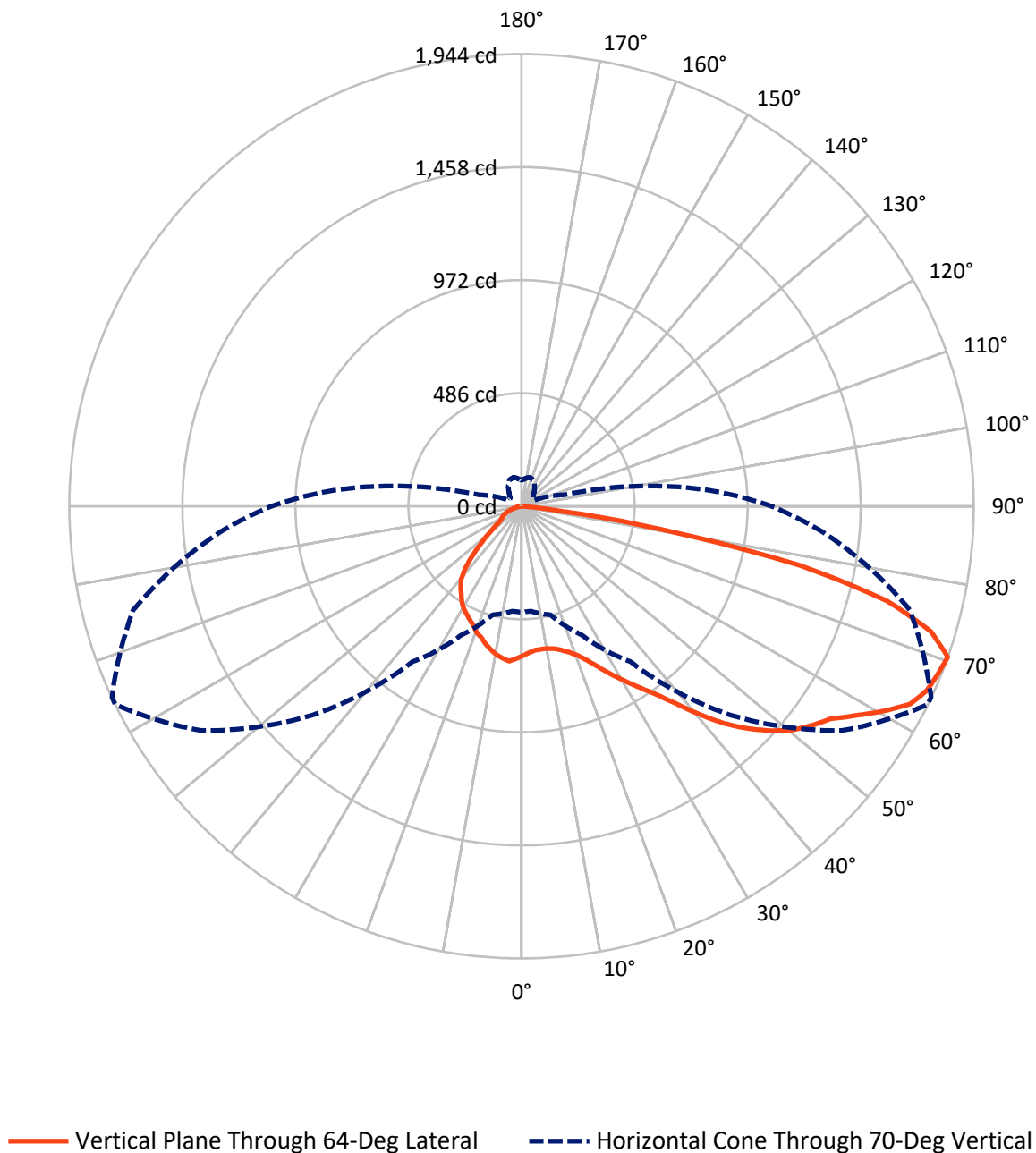


Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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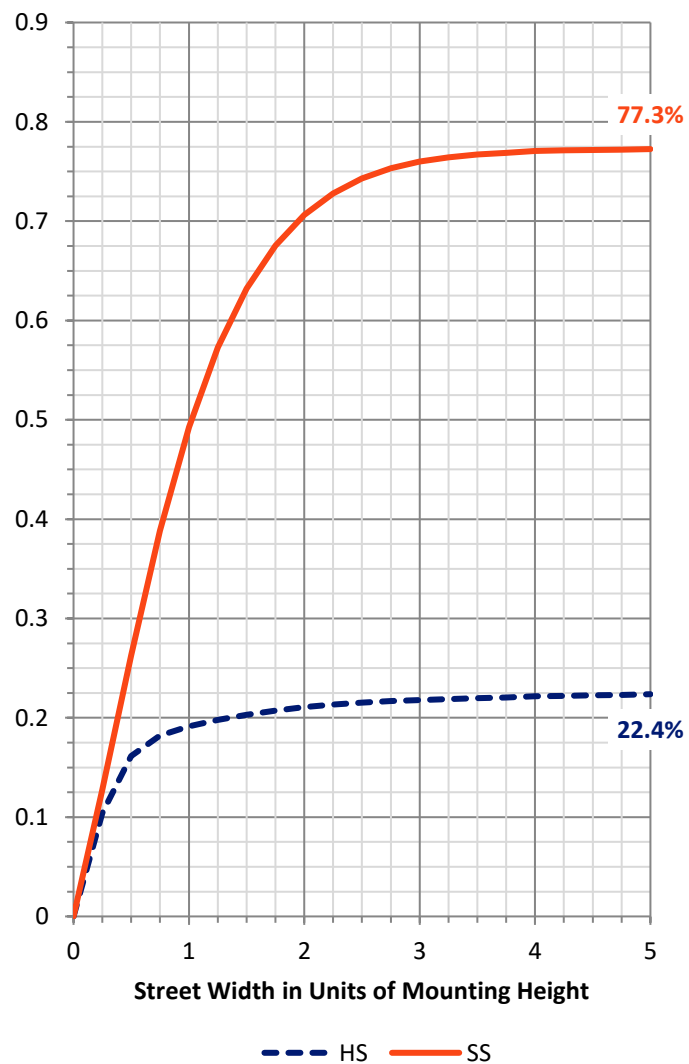
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	789.4	0.0	789.4
	% Fixture	22.7	0.0	22.7
Street Side	Lumens	2685.6	0.0	2685.6
	% Fixture	77.3	0.0	77.3
Total	Lumens	3475.0	0.0	3475.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.8	1.8
10°-20°	181.2	5.2
20°-30°	300.8	8.7
30°-40°	430.3	12.4
40°-50°	574.6	16.5
50°-60°	694.4	20.0
60°-70°	739.0	21.3
70°-80°	454.0	13.1
80°-90°	38.9	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°	3475.0	100.0
0°-180°	3475.0	100.0

Coefficient of Utilization



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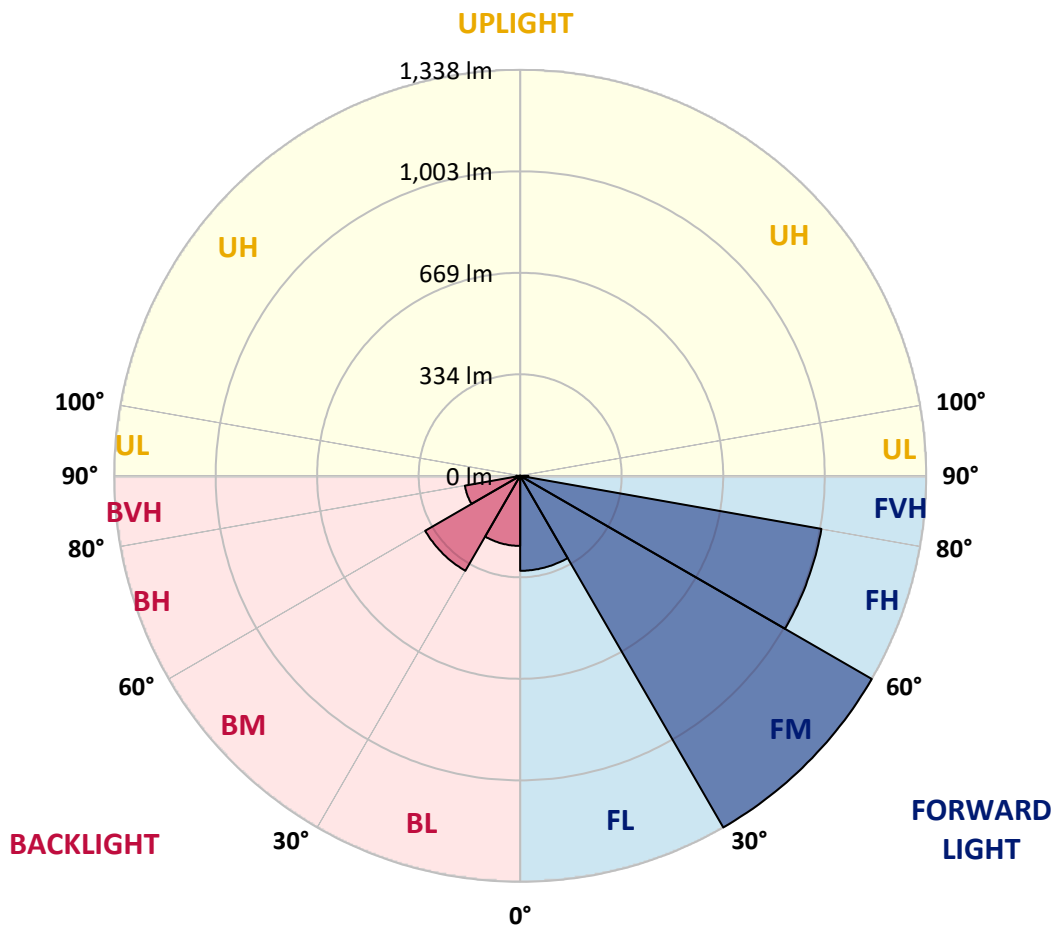
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	312.9	9.0			
FM	(30°-60°)	1337.8	38.5			
FH	(60°-80°)	1007.9	29.0			G1/1800
FVH	(80°-90°)	27.0	0.8			G1/100
BL	(0°-30°)	231.0	6.6	B1/500		
BM	(30°-60°)	361.4	10.4	B1/1000		
BH	(60°-80°)	185.1	5.3	B1/500		G1/500
BVH	(80°-90°)	11.9	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°	642.7	642.7	642.7	642.7	642.7	642.7	642.7	642.7	642.7	642.7	642.7
2.5°	627.4	627.4	627.4	627.4	628.5	629.7	628.5	629.7	629.7	632.1	635.6
5°	638.0	638.0	635.6	630.9	627.4	622.6	620.3	621.4	621.4	627.4	636.8
7.5°	641.5	641.5	639.2	639.2	635.6	625.0	621.4	620.3	621.4	623.8	636.8
10°	659.3	658.1	652.2	645.1	640.3	630.9	622.6	621.4	622.6	626.2	640.3
12.5°	678.2	678.2	675.8	669.9	656.9	647.4	633.3	628.5	627.4	630.9	639.2
15°	716.0	711.2	701.8	693.5	684.1	668.7	649.8	641.5	639.2	643.9	640.3
17.5°	738.4	734.9	736.0	723.0	714.8	693.5	674.6	659.3	658.1	662.8	647.4
20°	763.2	762.0	764.4	763.2	750.2	731.3	701.8	682.9	680.5	681.7	658.1
22.5°	801.0	801.0	799.8	799.8	792.8	770.3	737.2	718.3	714.8	706.5	675.8
25°	842.4	842.4	842.4	844.7	844.7	818.7	785.7	764.4	762.0	750.2	705.3
27.5°	881.4	883.7	884.9	886.1	889.6	877.8	841.2	816.4	815.2	799.8	744.3
30°	912.1	913.3	923.9	926.3	933.3	929.8	894.4	870.7	873.1	853.0	788.0
32.5°	939.3	940.4	955.8	964.1	972.3	973.5	944.0	927.4	927.4	909.7	841.2
35°	965.2	966.4	985.3	1005.4	1022.0	1017.2	1000.7	991.2	994.8	988.9	914.4
37.5°	987.7	992.4	1017.2	1046.8	1065.7	1069.2	1062.1	1075.1	1082.2	1091.7	1013.7
40°	1009.0	1011.3	1035.0	1065.7	1097.6	1114.1	1122.4	1175.5	1182.6	1189.7	1070.4
42.5°	988.9	993.6	1044.4	1090.5	1130.6	1159.0	1198.0	1276.0	1291.3	1252.3	1147.2
45°	965.2	971.2	1022.0	1099.9	1156.6	1208.6	1280.7	1363.4	1375.2	1316.1	1188.5
47.5°	945.2	952.3	1004.2	1091.7	1183.8	1276.0	1348.0	1441.4	1448.5	1370.5	1245.3
50°	922.7	928.6	984.1	1081.0	1198.0	1337.4	1418.9	1512.3	1514.6	1415.4	1274.8
52.5°	893.2	899.1	955.8	1064.5	1208.6	1378.8	1478.0	1564.2	1554.8	1473.3	1309.0
55°	855.4	863.6	925.1	1042.0	1214.5	1403.6	1518.2	1612.7	1608.0	1541.8	1353.9
57.5°	815.2	823.5	886.1	1011.3	1208.6	1418.9	1559.5	1696.6	1695.4	1597.3	1387.0
60°	770.3	777.4	830.6	971.2	1176.7	1443.7	1650.5	1787.5	1797.0	1659.9	1400.0
62.5°	711.2	712.4	765.6	913.3	1135.4	1461.5	1715.5	1873.8	1867.9	1701.3	1402.4
65°	633.3	636.8	684.1	832.9	1068.0	1447.3	1732.0	1912.8	1912.8	1732.0	1400.0
67.5°	557.6	556.5	596.6	732.5	964.1	1384.7	1717.8	1929.3	1937.6	1752.1	1369.3
70°	454.9	452.5	483.2	609.6	815.2	1268.9	1681.2	1943.5	1942.3	1728.5	1304.3
72.5°	336.7	335.5	356.8	461.9	623.8	1085.8	1572.5	1839.5	1827.7	1615.0	1177.9
75°	186.7	177.2	176.0	285.9	362.7	760.9	1336.2	1622.1	1626.9	1427.2	986.5
77.5°	27.2	28.4	29.5	52.0	62.6	284.7	868.4	1222.8	1220.4	1101.1	719.5
80°	18.9	20.1	21.3	26.0	29.5	67.3	300.1	616.7	652.2	578.9	332.0
82.5°	14.2	14.2	15.4	17.7	16.5	30.7	93.3	171.3	177.2	160.7	98.1
85°	9.5	9.5	8.3	9.5	5.9	8.3	21.3	31.9	34.3	33.1	27.2
87.5°	4.7	4.7	3.5	3.5	2.4	2.4	2.4	1.2	2.4	1.2	2.4
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	642.7	642.7	642.7	642.7	642.7	642.7	642.7	642.7	642.7	642.7	642.7
2.5°	639.2	641.5	648.6	654.5	661.6	669.9	674.6	679.3	684.1	681.7	685.2
5°	641.5	646.3	656.9	667.5	673.4	674.6	675.8	679.3	686.4	686.4	692.3
7.5°	643.9	652.2	652.2	658.1	666.3	668.7	669.9	672.2	675.8	677.0	675.8
10°	643.9	640.3	646.3	647.4	643.9	649.8	653.3	652.2	655.7	656.9	656.9
12.5°	636.8	635.6	630.9	630.9	629.7	620.3	620.3	629.7	629.7	635.6	636.8
15°	636.8	627.4	621.4	613.2	604.9	601.4	596.6	589.5	591.9	600.2	602.5
17.5°	635.6	625.0	607.3	590.7	584.8	570.6	565.9	565.9	564.7	569.5	570.6
20°	640.3	625.0	597.8	578.9	547.0	542.3	532.8	534.0	535.2	528.1	524.6
22.5°	653.3	634.4	590.7	554.1	529.3	508.0	490.3	478.5	477.3	473.8	477.3
25°	673.4	651.0	591.9	539.9	499.8	469.0	457.2	428.9	415.9	417.1	424.1
27.5°	710.1	671.1	597.8	524.6	476.1	432.4	394.6	376.9	362.7	362.7	365.1
30°	744.3	701.8	595.5	511.6	439.5	385.2	336.7	308.4	303.6	298.9	297.7
32.5°	808.1	740.8	619.1	492.7	405.2	324.9	276.5	237.5	241.0	242.2	244.6
35°	871.9	803.4	623.8	469.0	355.6	264.6	213.8	192.6	202.0	204.4	206.8
37.5°	957.0	881.4	655.7	447.8	304.8	203.2	170.1	160.7	170.1	170.1	171.3
40°	1003.1	918.0	681.7	426.5	238.7	150.0	133.5	126.4	138.2	147.7	150.0
42.5°	1068.0	965.2	705.3	384.0	168.9	112.2	102.8	117.0	135.9	145.3	146.5
45°	1101.1	988.9	697.1	327.3	111.1	91.0	100.4	118.1	137.0	146.5	147.7
47.5°	1146.0	1022.0	680.5	261.1	88.6	89.8	101.6	121.7	140.6	148.9	150.0
50°	1189.7	1056.2	638.0	207.9	85.1	89.8	104.0	122.9	139.4	145.3	144.1
52.5°	1214.5	1088.1	583.6	158.3	85.1	91.0	106.3	125.2	138.2	139.4	139.4
55°	1237.0	1091.7	538.7	122.9	83.9	92.2	108.7	127.6	139.4	139.4	137.0
57.5°	1251.2	1077.5	504.5	106.3	83.9	92.2	108.7	127.6	145.3	148.9	145.3
60°	1245.3	1050.3	480.9	99.2	81.5	91.0	107.5	131.1	178.4	186.7	179.6
62.5°	1231.1	1035.0	430.0	91.0	78.0	87.4	105.1	141.8	191.4	192.6	186.7
65°	1218.1	984.1	368.6	81.5	73.3	83.9	101.6	144.1	161.9	156.0	154.8
67.5°	1159.0	918.0	281.2	72.1	66.2	79.2	98.1	132.3	144.1	137.0	134.7
70°	1075.1	802.2	187.9	61.4	59.1	73.3	98.1	124.1	128.8	117.0	112.2
72.5°	921.5	664.0	102.8	49.6	49.6	67.3	88.6	115.8	119.3	105.1	96.9
75°	750.2	480.9	66.2	37.8	37.8	56.7	80.3	109.9	117.0	101.6	91.0
77.5°	516.3	263.5	46.1	27.2	24.8	43.7	63.8	89.8	104.0	87.4	74.4
80°	174.9	69.7	29.5	17.7	15.4	24.8	42.5	69.7	94.5	89.8	80.3
82.5°	68.5	43.7	20.1	11.8	10.6	11.8	21.3	43.7	75.6	81.5	94.5
85°	20.1	11.8	7.1	5.9	5.9	5.9	5.9	17.7	44.9	59.1	74.4
87.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	10.6	18.9	24.8
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)