

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: P691257

Luminaire Tested: **CRTK2-C015-5TLD-U-T3-8027-U0-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691257
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-12)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C015-5TLD-U-T3-8027-U0-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE III OPTIC AND U0 SHIELD WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3904 lumens
Efficiency: N/A
Efficacy: 119.4 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 32.7
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

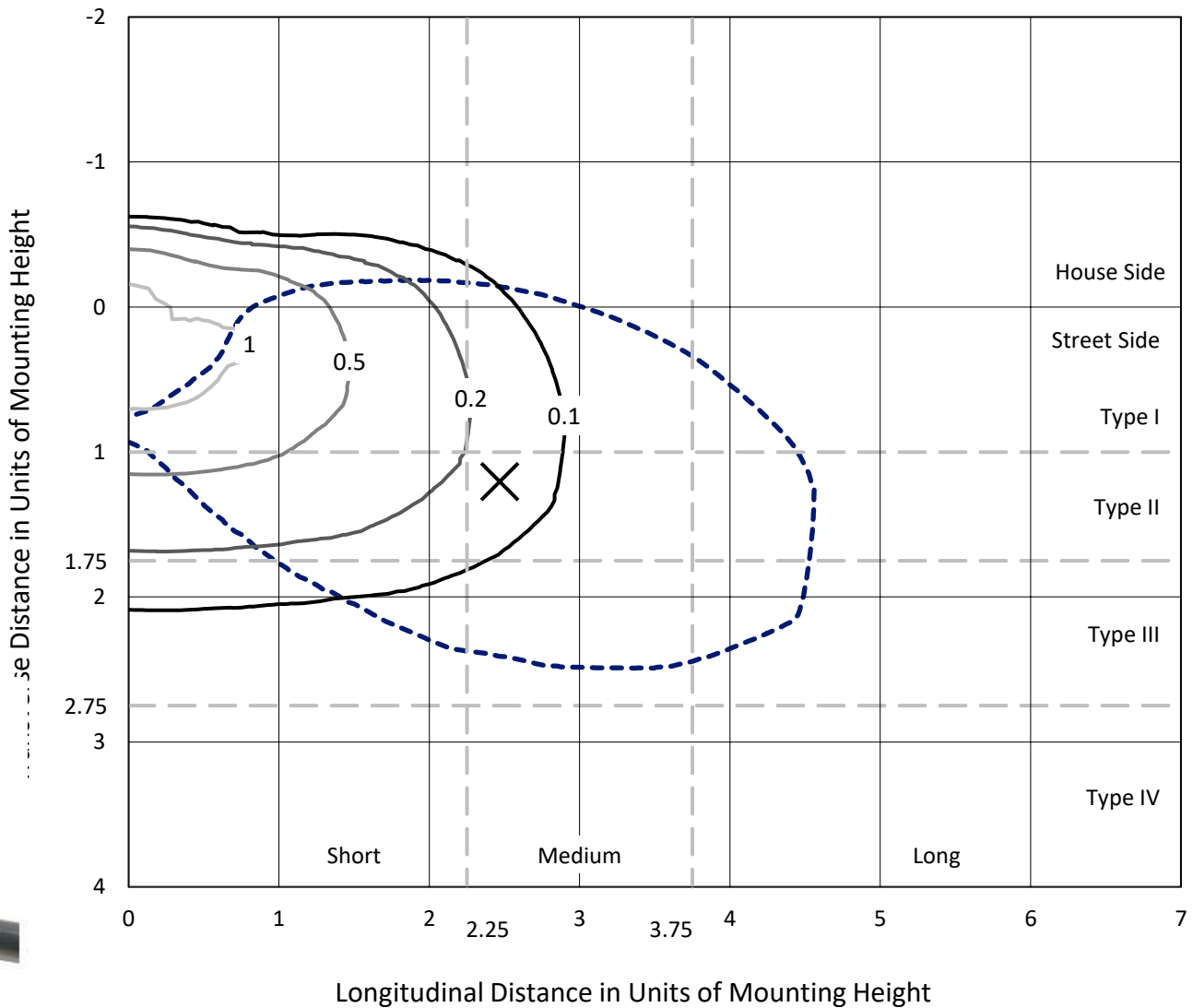


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

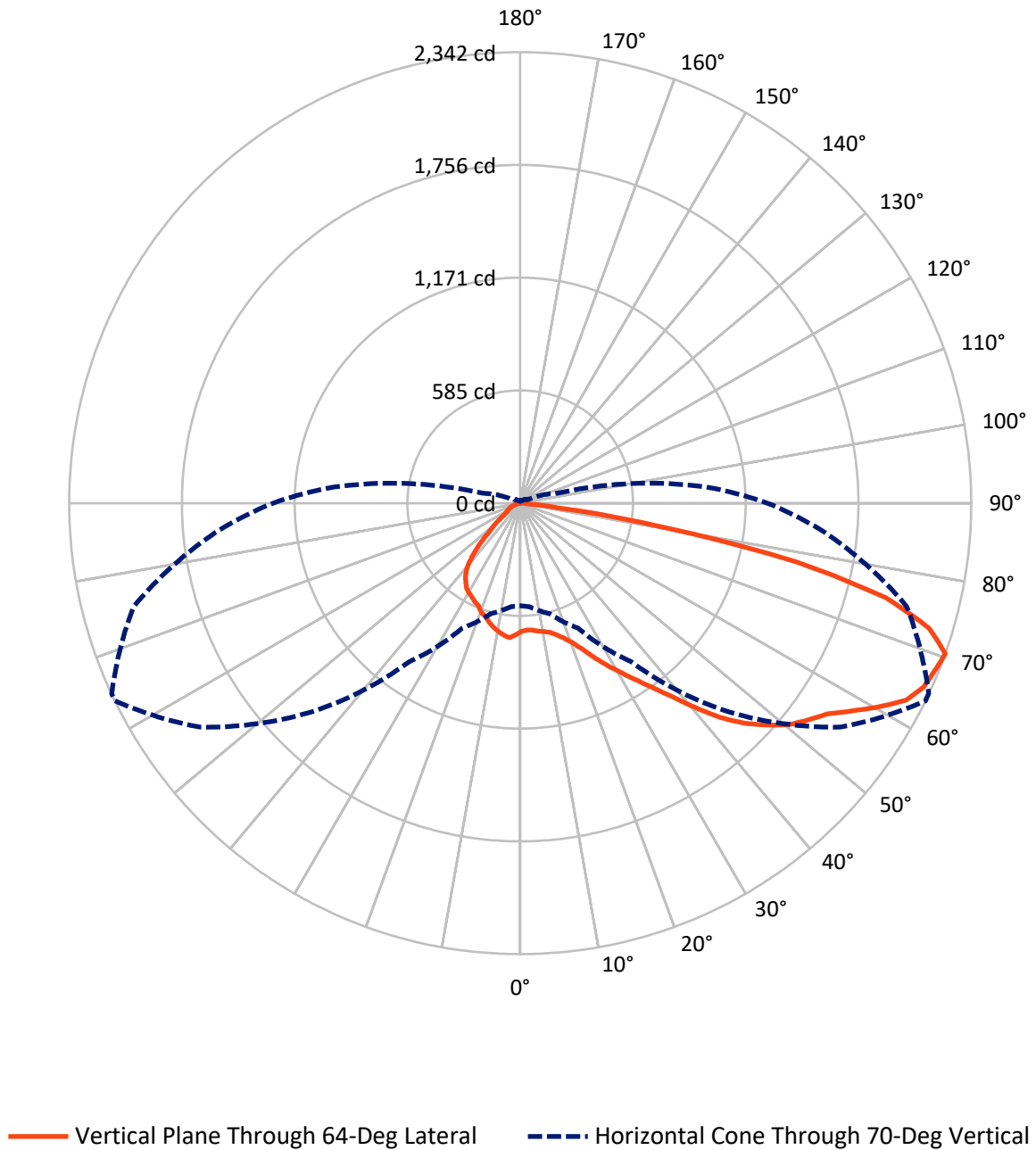


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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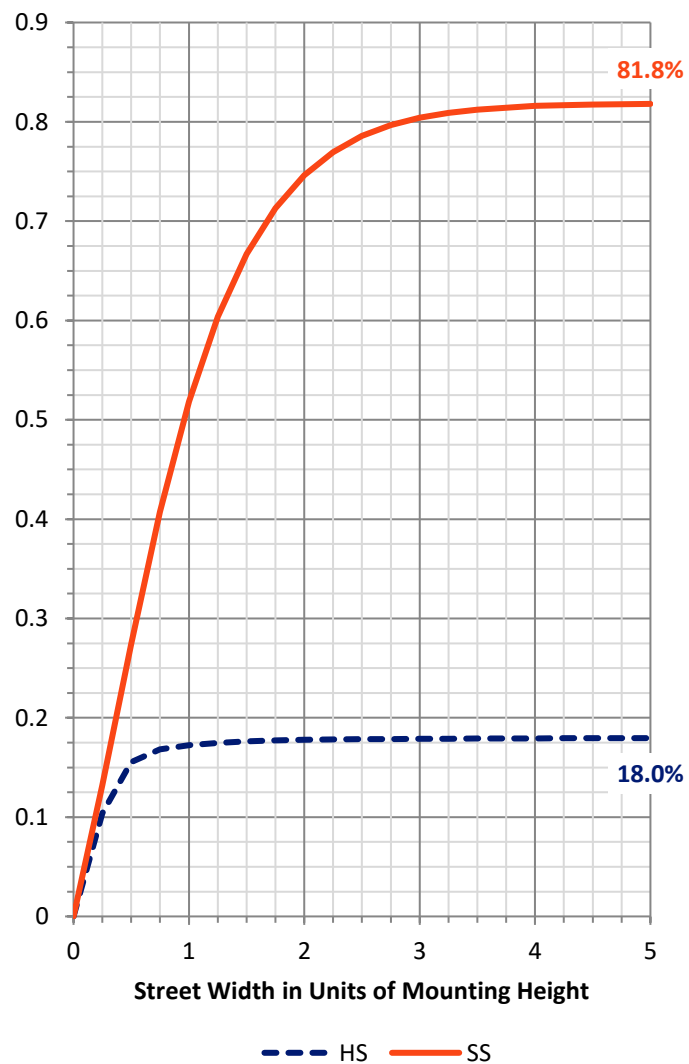
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	709.5	0.0	709.5
	% Fixture	18.2	0.0	18.2
Street Side	Lumens	3194.5	0.0	3194.5
	% Fixture	81.8	0.0	81.8
Total	Lumens	3904.0	0.0	3904.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.0	1.7
10°-20°	192.2	4.9
20°-30°	323.8	8.3
30°-40°	476.5	12.2
40°-50°	653.5	16.7
50°-60°	795.2	20.4
60°-70°	844.2	21.6
70°-80°	517.5	13.3
80°-90°	36.1	0.9
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°	3904.0	100.0
0°-180°	3904.0	100.0

Coefficient of Utilization



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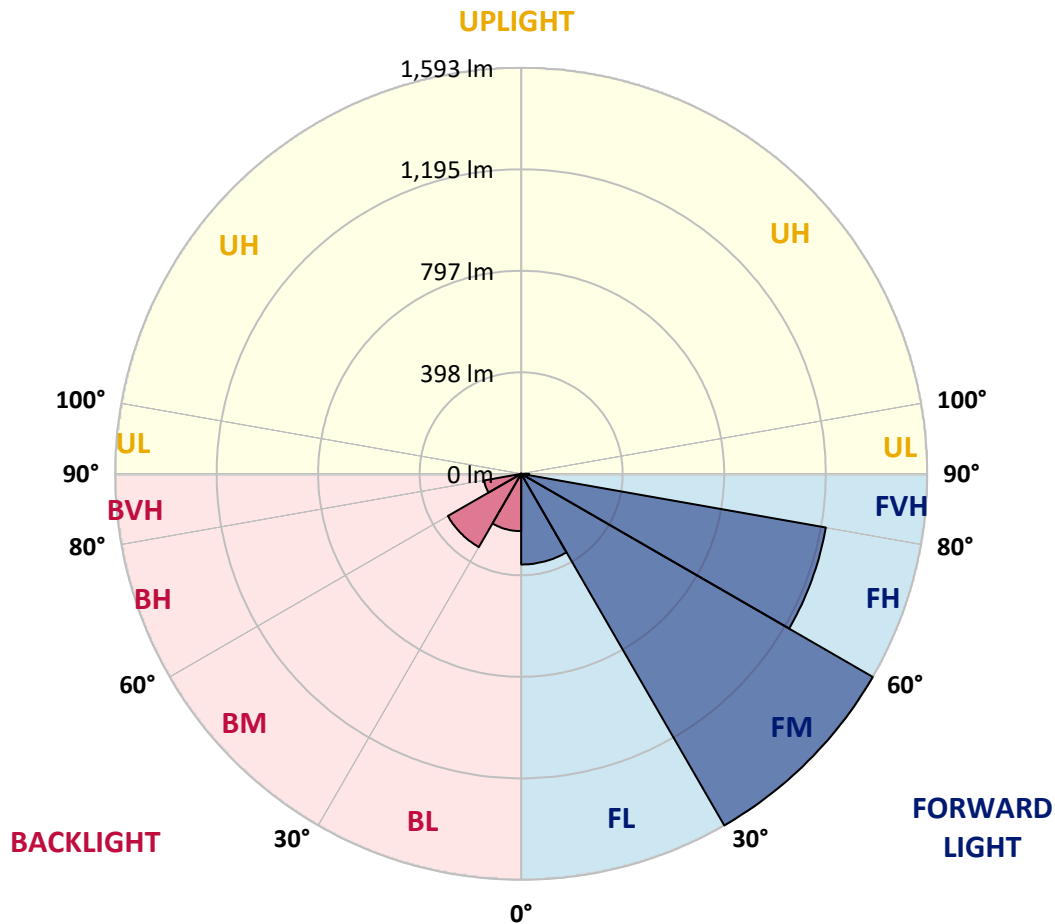
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	355.9	9.1			
FM	(30°-60°)	1593.1	40.8			
FH	(60°-80°)	1214.0	31.1			G1/1800
FVH	(80°-90°)	31.5	0.8			G1/100
BL	(0°-30°)	225.1	5.8	B1/500		
BM	(30°-60°)	332.1	8.5	B1/1000		
BH	(60°-80°)	147.7	3.8	B1/500		G1/500
BVH	(80°-90°)	4.6	0.1			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°	666.6	666.6	666.6	666.6	666.6	666.6	666.6	666.6	666.6	666.6	666.6
2.5°	659.5	659.5	660.9	659.5	662.3	658.0	659.5	659.5	659.5	660.9	665.2
5°	679.5	679.5	676.6	672.3	668.0	662.3	662.3	662.3	662.3	665.2	675.2
7.5°	692.4	690.9	690.9	690.9	686.6	675.2	672.3	670.9	670.9	670.9	680.9
10°	723.8	719.5	713.8	705.2	700.9	690.9	679.5	678.1	678.1	679.5	692.4
12.5°	753.9	749.6	749.6	743.9	726.7	715.2	695.2	688.1	688.1	690.9	698.1
15°	803.9	799.6	788.2	778.2	762.5	742.4	722.4	709.5	708.1	713.8	703.8
17.5°	839.7	832.5	834.0	818.2	805.4	776.8	756.7	736.7	736.7	742.4	722.4
20°	874.0	874.0	875.5	874.0	852.6	829.7	796.8	772.5	773.9	775.3	743.9
22.5°	925.5	924.1	924.1	925.5	911.2	885.5	849.7	822.5	821.1	809.7	771.0
25°	985.6	982.7	977.0	982.7	975.6	945.6	911.2	884.0	879.8	864.0	811.1
27.5°	1035.7	1035.7	1035.7	1038.5	1038.5	1017.1	978.5	949.8	952.7	931.3	858.3
30°	1071.4	1071.4	1084.3	1090.0	1094.3	1087.2	1045.7	1015.6	1021.4	995.6	916.9
32.5°	1110.1	1108.6	1125.8	1138.7	1144.4	1147.3	1112.9	1088.6	1090.0	1067.1	984.2
35°	1145.8	1143.0	1165.9	1193.0	1207.3	1204.5	1180.2	1171.6	1174.4	1167.3	1075.7
37.5°	1171.6	1175.9	1205.9	1241.7	1264.6	1270.3	1254.5	1270.3	1286.0	1296.0	1194.5
40°	1200.2	1200.2	1228.8	1267.4	1303.2	1324.6	1336.1	1393.3	1406.2	1413.3	1264.6
42.5°	1171.6	1181.6	1241.7	1297.5	1344.7	1377.6	1424.8	1520.6	1534.9	1490.6	1357.5
45°	1147.3	1155.8	1215.9	1310.3	1379.0	1443.4	1529.2	1629.3	1643.6	1567.8	1410.5
47.5°	1122.9	1132.9	1195.9	1300.3	1410.5	1516.3	1613.6	1722.3	1729.5	1635.1	1480.6
50°	1095.8	1105.8	1171.6	1287.4	1429.1	1595.0	1696.6	1808.1	1809.6	1693.7	1516.3
52.5°	1061.4	1074.3	1140.1	1268.8	1444.8	1647.9	1770.9	1871.1	1862.5	1765.2	1559.2
55°	1018.5	1032.8	1105.8	1244.5	1453.4	1682.3	1819.6	1932.6	1926.9	1848.2	1615.0
57.5°	969.9	985.6	1061.4	1207.3	1450.5	1699.4	1869.7	2034.2	2037.0	1916.9	1656.5
60°	914.1	928.4	999.9	1158.7	1413.3	1730.9	1976.9	2145.7	2155.8	1992.7	1673.7
62.5°	841.1	854.0	922.7	1087.2	1366.1	1753.8	2058.5	2251.6	2247.3	2044.2	1679.4
65°	749.6	763.9	828.3	992.8	1291.7	1739.5	2084.2	2301.7	2301.7	2081.4	1675.1
67.5°	656.6	669.5	723.8	872.6	1171.6	1668.0	2068.5	2321.7	2334.6	2105.7	1636.5
70°	532.1	539.3	593.7	716.7	1004.2	1533.5	2028.4	2341.7	2340.3	2078.5	1563.5
72.5°	390.5	399.1	443.5	537.9	776.8	1327.5	1902.6	2220.1	2197.2	1932.6	1421.9
75°	201.7	210.3	244.6	337.6	495.0	937.0	1622.2	1961.2	1956.9	1710.9	1177.3
77.5°	27.2	27.2	31.5	55.8	114.4	373.4	1062.9	1469.1	1460.5	1304.6	855.4
80°	18.6	18.6	21.5	25.7	32.9	81.5	374.8	745.3	758.2	672.3	383.4
82.5°	14.3	12.9	15.7	18.6	20.0	37.2	114.4	206.0	208.9	187.4	117.3
85°	8.6	8.6	8.6	8.6	7.2	10.0	25.7	34.3	38.6	37.2	30.0
87.5°	4.3	4.3	4.3	2.9	1.4	1.4	1.4	1.4	1.4	1.4	1.4
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°	666.6	666.6	666.6	666.6	666.6	666.6	666.6	666.6	666.6	666.6	666.6
2.5°	666.6	670.9	676.6	683.8	690.9	696.6	702.4	705.2	708.1	709.5	711.0
5°	678.1	683.8	690.9	700.9	700.9	696.6	693.8	693.8	696.6	700.9	702.4
7.5°	689.5	695.2	692.4	690.9	692.4	686.6	679.5	675.2	672.3	672.3	675.2
10°	693.8	688.1	685.2	678.1	663.7	660.9	655.2	643.7	640.9	643.7	633.7
12.5°	690.9	686.6	672.3	660.9	646.6	622.3	608.0	608.0	600.8	599.4	600.8
15°	698.1	683.8	666.6	642.3	616.5	596.5	573.6	553.6	547.9	549.3	549.3
17.5°	703.8	689.5	655.2	618.0	595.1	559.3	533.6	522.1	512.1	510.7	510.7
20°	716.7	696.6	648.0	608.0	550.7	523.6	495.0	480.6	464.9	443.5	436.3
22.5°	736.7	709.5	643.7	580.8	530.7	487.8	446.3	403.4	377.6	360.5	364.8
25°	763.9	733.8	648.0	570.8	500.7	446.3	392.0	333.3	294.7	283.2	290.4
27.5°	812.5	761.0	660.9	556.5	479.2	397.7	316.1	264.6	228.9	217.4	221.7
30°	856.9	802.5	662.3	547.9	444.9	340.5	248.9	191.7	163.1	145.9	141.6
32.5°	937.0	846.9	698.1	536.4	409.1	277.5	183.1	127.3	101.6	91.6	88.7
35°	1015.6	925.5	708.1	515.0	343.3	206.0	113.0	75.8	61.5	54.4	52.9
37.5°	1124.4	1021.4	749.6	492.1	277.5	125.9	68.7	45.8	42.9	41.5	41.5
40°	1178.7	1071.4	783.9	459.2	194.5	71.5	44.3	40.1	38.6	37.2	37.2
42.5°	1256.0	1128.7	812.5	400.5	114.4	47.2	40.1	37.2	35.8	34.3	34.3
45°	1298.9	1158.7	805.4	329.0	57.2	44.3	38.6	35.8	32.9	32.9	32.9
47.5°	1356.1	1203.0	786.8	243.2	51.5	42.9	37.2	34.3	32.9	34.3	32.9
50°	1410.5	1246.0	735.3	193.1	50.1	41.5	37.2	32.9	32.9	32.9	32.9
52.5°	1440.5	1286.0	670.9	141.6	51.5	41.5	35.8	32.9	32.9	31.5	32.9
55°	1469.1	1291.7	619.4	103.0	51.5	40.1	34.3	31.5	30.0	28.6	28.6
57.5°	1489.1	1278.9	577.9	85.8	51.5	40.1	32.9	30.0	25.7	24.3	24.3
60°	1483.4	1247.4	543.6	78.7	48.6	37.2	30.0	25.7	22.9	20.0	20.0
62.5°	1467.7	1228.8	480.6	68.7	44.3	34.3	27.2	21.5	18.6	17.2	17.2
65°	1453.4	1170.1	407.7	61.5	41.5	30.0	22.9	18.6	15.7	14.3	14.3
67.5°	1384.7	1092.9	303.3	52.9	37.2	27.2	20.0	17.2	14.3	12.9	11.4
70°	1283.2	968.4	198.8	45.8	32.9	22.9	17.2	14.3	11.4	10.0	10.0
72.5°	1110.1	799.6	103.0	37.2	27.2	20.0	15.7	12.9	10.0	8.6	8.6
75°	901.2	587.9	61.5	28.6	21.5	17.2	12.9	10.0	8.6	7.2	7.2
77.5°	623.7	324.7	44.3	21.5	14.3	12.9	10.0	8.6	7.2	5.7	5.7
80°	210.3	88.7	31.5	15.7	10.0	10.0	7.2	5.7	5.7	4.3	4.3
82.5°	83.0	54.4	21.5	11.4	8.6	7.2	5.7	4.3	4.3	4.3	4.3
85°	22.9	15.7	8.6	5.7	4.3	4.3	4.3	2.9	2.9	2.9	2.9
87.5°	1.4	2.9	2.9	2.9	2.9	2.9	1.4	1.4	1.4	1.4	1.4
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)