

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: P691317

Luminaire Tested: **CRTK2-C015-D-U-T2-8027-U0-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691317
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C015-D-U-T2-8027-U0-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE II OPTIC AND U0 SHIELD WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3416 lumens
Efficiency: N/A
Efficacy: 114.2 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 29.9
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

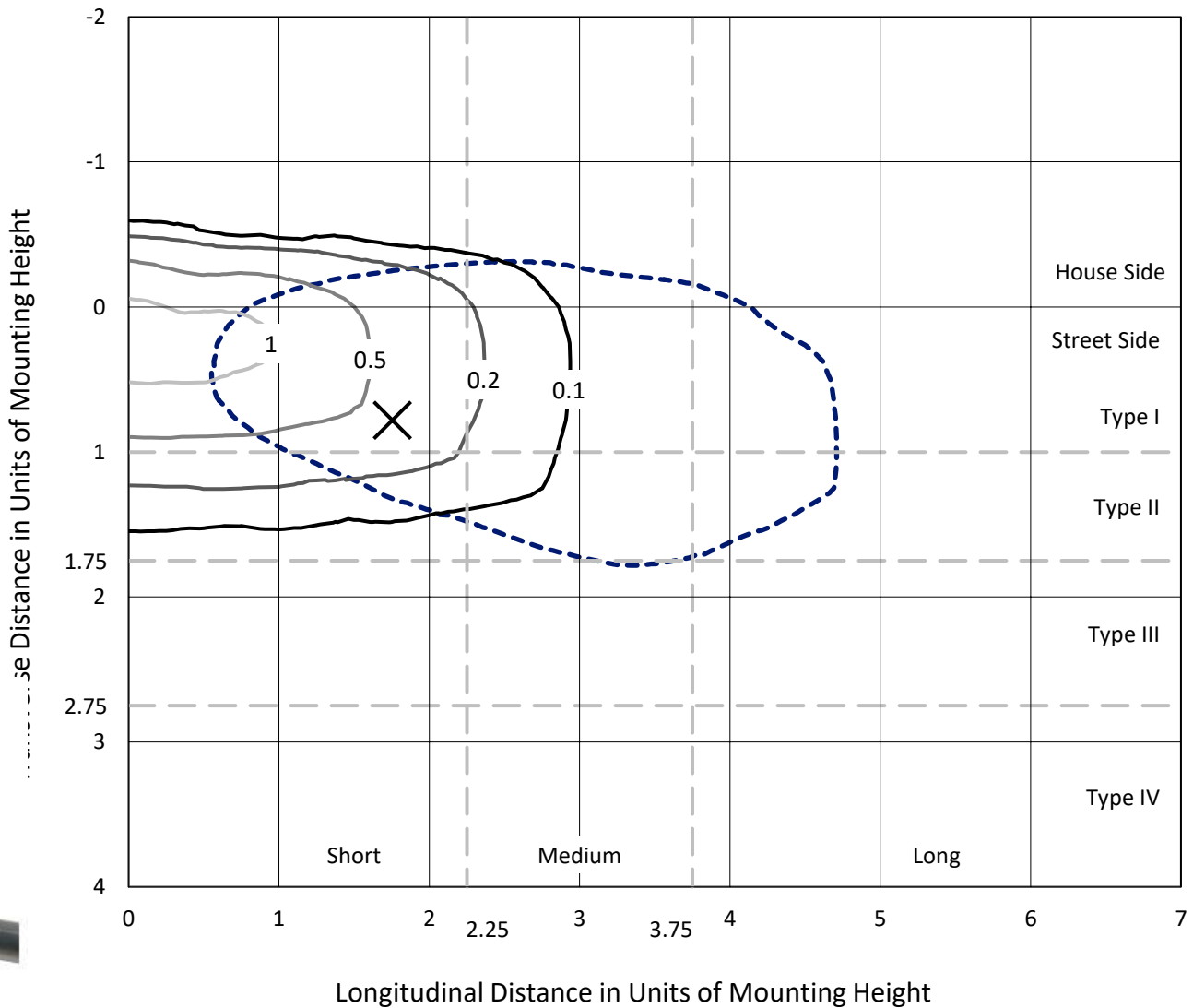


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

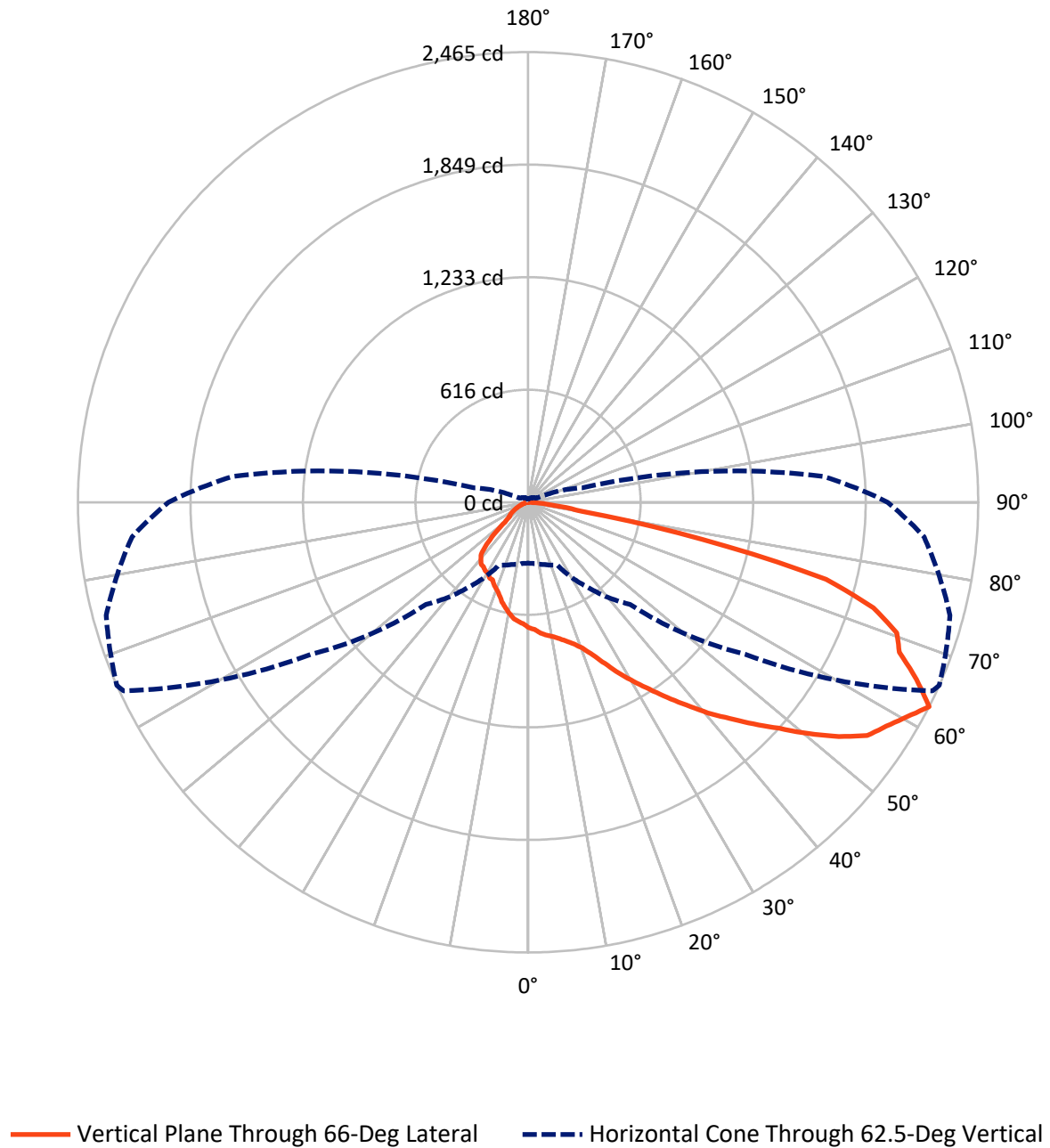


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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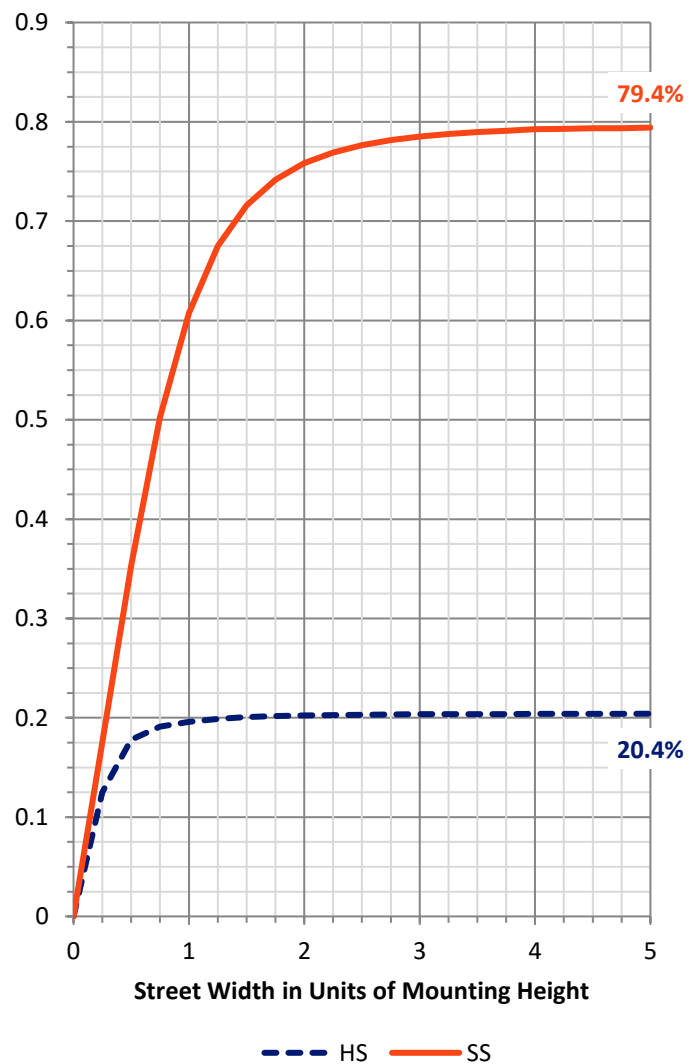
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	705.7	0.0	705.7
	% Fixture	20.7	0.0	20.7
Street Side	Lumens	2710.3	0.0	2710.3
	% Fixture	79.3	0.0	79.3
Total	Lumens	3416.0	0.0	3416.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.9	1.9
10°-20°	184.9	5.4
20°-30°	303.4	8.9
30°-40°	446.4	13.1
40°-50°	588.7	17.2
50°-60°	685.3	20.1
60°-70°	681.0	19.9
70°-80°	421.2	12.3
80°-90°	40.3	1.2
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°	3416.0	100.0
0°-180°	3416.0	100.0

Coefficient of Utilization



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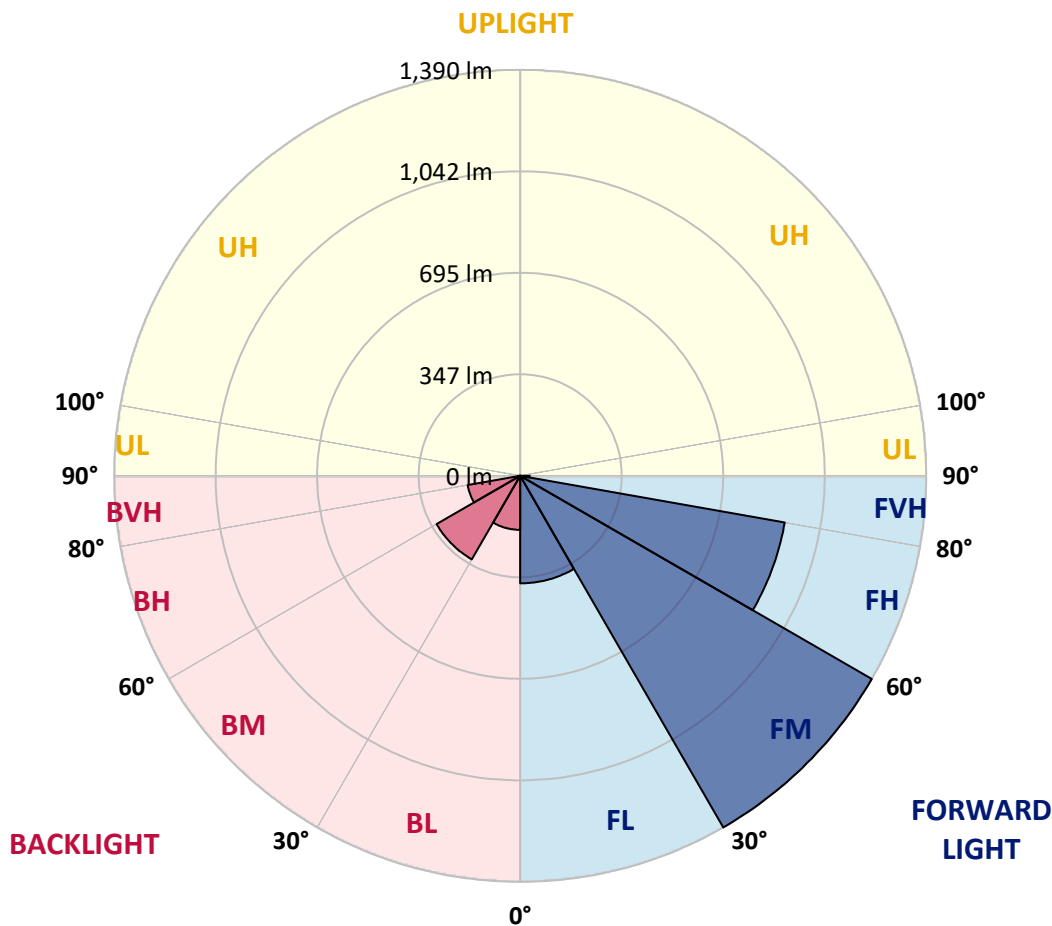
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	368.1	10.8			
FM	(30°-60°)	1389.9	40.7			
FH	(60°-80°)	919.8	26.9			G1/1800
FVH	(80°-90°)	32.5	1.0			G1/100
BL	(0°-30°)	185.1	5.4	B1/500		
BM	(30°-60°)	330.4	9.7	B1/1000		
BH	(60°-80°)	182.4	5.3	B1/500		G1/500
BVH	(80°-90°)	7.8	0.2			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 II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	687.4	687.4	687.4	687.4	687.4	687.4	687.4	687.4	687.4	687.4	687.4
2.5°	726.0	726.0	724.8	715.7	711.9	706.7	702.9	699.0	697.7	693.9	687.4
5°	768.5	767.2	767.2	759.5	751.8	741.5	731.2	720.9	719.6	709.3	695.1
7.5°	793.0	793.0	790.4	785.3	780.1	773.7	758.2	736.3	735.0	720.9	701.6
10°	799.4	800.7	805.8	793.0	789.1	782.7	775.0	751.8	747.9	727.3	696.4
12.5°	822.6	822.6	821.3	809.7	805.8	800.7	787.8	769.8	765.9	740.2	697.7
15°	850.9	852.2	848.3	838.0	832.9	826.4	809.7	790.4	789.1	755.6	708.0
17.5°	865.1	865.1	867.6	853.5	854.8	852.2	844.5	817.4	816.1	785.3	726.0
20°	870.2	871.5	872.8	872.8	874.1	871.5	879.2	856.1	852.2	817.4	750.5
22.5°	893.4	896.0	902.4	898.5	905.0	908.8	911.4	912.7	907.5	871.5	791.7
25°	903.7	910.1	919.1	933.3	943.6	951.3	970.6	979.6	978.3	947.5	859.9
27.5°	888.2	896.0	926.9	951.3	987.4	1008.0	1044.0	1055.6	1059.4	1031.1	933.3
30°	908.8	911.4	925.6	956.5	1001.5	1063.3	1112.2	1138.0	1138.0	1116.1	1005.4
32.5°	876.7	884.4	925.6	982.2	1051.7	1118.7	1165.0	1220.4	1220.4	1210.1	1108.4
35°	872.8	876.7	901.1	964.2	1053.0	1175.3	1237.1	1302.7	1311.8	1313.0	1210.1
37.5°	836.7	844.5	888.2	969.3	1091.6	1210.1	1296.3	1398.0	1408.3	1422.5	1295.0
40°	796.8	799.4	838.0	923.0	1082.6	1255.1	1353.0	1504.9	1516.4	1535.7	1408.3
42.5°	737.6	747.9	812.3	905.0	1078.8	1269.3	1416.0	1605.3	1618.1	1645.2	1502.3
45°	684.8	688.7	736.3	839.3	1036.3	1289.9	1464.9	1723.7	1731.4	1748.2	1580.8
47.5°	642.4	644.9	692.6	781.4	996.4	1284.7	1512.6	1830.5	1848.6	1874.3	1673.5
50°	514.9	529.1	647.5	733.8	926.9	1275.7	1549.9	1964.4	1991.5	2001.8	1780.3
52.5°	439.0	441.5	503.3	686.1	854.8	1237.1	1586.0	2100.9	2131.8	2103.4	1909.1
55°	406.8	409.4	437.7	590.9	794.3	1162.4	1613.0	2232.2	2254.1	2184.5	2005.6
57.5°	386.2	391.3	404.2	480.2	722.2	1037.6	1618.1	2304.3	2313.3	2248.9	2054.5
60°	357.9	357.9	383.6	419.7	643.7	903.7	1575.7	2340.3	2384.1	2322.3	2144.6
62.5°	333.4	336.0	352.7	379.8	566.4	790.4	1450.8	2443.3	2465.2	2391.8	2176.8
65°	305.1	307.7	323.1	350.1	514.9	727.3	1383.8	2402.1	2337.7	2373.8	2216.7
67.5°	272.9	274.2	289.6	314.1	432.5	670.7	1222.9	2245.1	2192.3	2288.8	2106.0
70°	240.7	240.7	253.6	272.9	352.7	588.3	1010.5	2102.2	2142.1	2147.2	1996.6
72.5°	200.8	202.1	215.0	231.7	283.2	491.7	799.4	1959.3	1977.3	1909.1	1755.9
75°	144.2	149.3	163.5	180.2	224.0	390.1	567.7	1592.4	1686.4	1807.4	1508.7
77.5°	21.9	21.9	27.0	41.2	73.4	195.7	262.6	879.2	975.8	1512.6	1318.2
80°	18.0	18.0	19.3	27.0	42.5	109.4	85.0	275.5	296.1	695.1	742.8
82.5°	9.0	9.0	14.2	19.3	25.7	32.2	36.0	132.6	153.2	236.9	296.1
85°	5.1	5.1	6.4	9.0	10.3	10.3	11.6	63.1	65.7	128.7	133.9
87.5°	1.3	1.3	2.6	2.6	2.6	1.3	1.3	1.3	1.3	1.3	1.3
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°	687.4	687.4	687.4	687.4	687.4	687.4	687.4	687.4	687.4	687.4	687.4
2.5°	684.8	681.0	673.3	666.8	663.0	655.2	648.8	643.7	641.1	647.5	648.8
5°	686.1	677.1	663.0	653.9	643.7	630.8	615.3	606.3	602.5	603.7	607.6
7.5°	688.7	675.8	659.1	639.8	612.8	587.0	569.0	558.7	553.5	560.0	560.0
10°	681.0	666.8	643.7	614.0	579.3	553.5	532.9	514.9	508.5	511.1	512.3
12.5°	681.0	661.7	623.1	587.0	554.8	512.3	481.5	464.7	458.3	459.6	462.1
15°	684.8	659.1	605.0	561.3	513.6	468.6	441.5	420.9	414.5	408.1	410.6
17.5°	697.7	655.2	596.0	526.5	473.7	431.2	393.9	370.7	365.6	365.6	366.9
20°	710.6	660.4	580.6	500.8	437.7	384.9	346.3	329.5	318.0	312.8	318.0
22.5°	737.6	678.4	570.3	484.0	400.4	350.1	314.1	276.8	256.2	247.2	249.7
25°	786.5	710.6	578.0	454.4	379.8	318.0	267.8	222.7	194.4	185.4	187.9
27.5°	862.5	763.4	587.0	451.8	342.4	285.8	217.6	168.6	146.8	137.7	140.3
30°	937.2	835.5	616.6	426.1	328.3	234.3	164.8	130.0	108.1	99.1	101.7
32.5°	1001.5	905.0	653.9	419.7	290.9	176.4	123.6	96.5	79.8	72.1	73.4
35°	1096.8	964.2	686.1	400.4	247.2	132.6	90.1	69.5	60.5	57.9	57.9
37.5°	1181.7	1033.7	717.0	393.9	185.4	99.1	64.4	56.6	55.4	51.5	51.5
40°	1270.6	1107.1	731.2	370.7	135.2	69.5	52.8	52.8	51.5	47.6	47.6
42.5°	1374.8	1181.7	744.1	343.7	96.5	52.8	48.9	50.2	48.9	45.1	43.8
45°	1449.5	1228.1	747.9	275.5	66.9	50.2	46.3	47.6	46.3	43.8	42.5
47.5°	1517.7	1295.0	731.2	193.1	54.1	47.6	45.1	45.1	45.1	41.2	39.9
50°	1588.5	1350.4	717.0	104.3	52.8	46.3	42.5	41.2	42.5	39.9	38.6
52.5°	1682.5	1392.9	679.7	70.8	51.5	45.1	41.2	38.6	39.9	37.3	38.6
55°	1807.4	1504.9	611.5	66.9	51.5	43.8	39.9	36.0	36.0	34.8	34.8
57.5°	1864.0	1547.3	502.0	64.4	50.2	43.8	37.3	33.5	30.9	29.6	28.3
60°	1933.5	1609.1	387.5	59.2	46.3	41.2	33.5	29.6	25.7	24.5	24.5
62.5°	1969.6	1623.3	306.4	52.8	42.5	36.0	29.6	24.5	20.6	18.0	18.0
65°	1990.2	1615.6	213.7	47.6	37.3	32.2	25.7	20.6	15.4	14.2	12.9
67.5°	1920.7	1569.2	124.9	41.2	32.2	28.3	21.9	16.7	12.9	11.6	10.3
70°	1781.6	1427.6	78.5	36.0	28.3	24.5	19.3	14.2	10.3	9.0	9.0
72.5°	1632.3	1150.8	54.1	28.3	21.9	19.3	14.2	11.6	9.0	6.4	6.4
75°	1468.8	998.9	39.9	20.6	15.4	14.2	11.6	9.0	7.7	5.1	5.1
77.5°	1041.4	661.7	32.2	15.4	10.3	9.0	7.7	6.4	5.1	5.1	3.9
80°	615.3	323.1	24.5	10.3	7.7	6.4	5.1	5.1	3.9	3.9	3.9
82.5°	230.4	123.6	16.7	7.7	5.1	5.1	3.9	3.9	2.6	2.6	2.6
85°	83.7	30.9	7.7	3.9	3.9	2.6	2.6	2.6	2.6	2.6	2.6
87.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
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)