

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: P691133

Luminaire Tested: **CRTK2-C013-D-U-T2-8027-U0-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691133
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-C013-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: 2331 lumens
Efficiency: N/A
Efficacy: 114.3 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



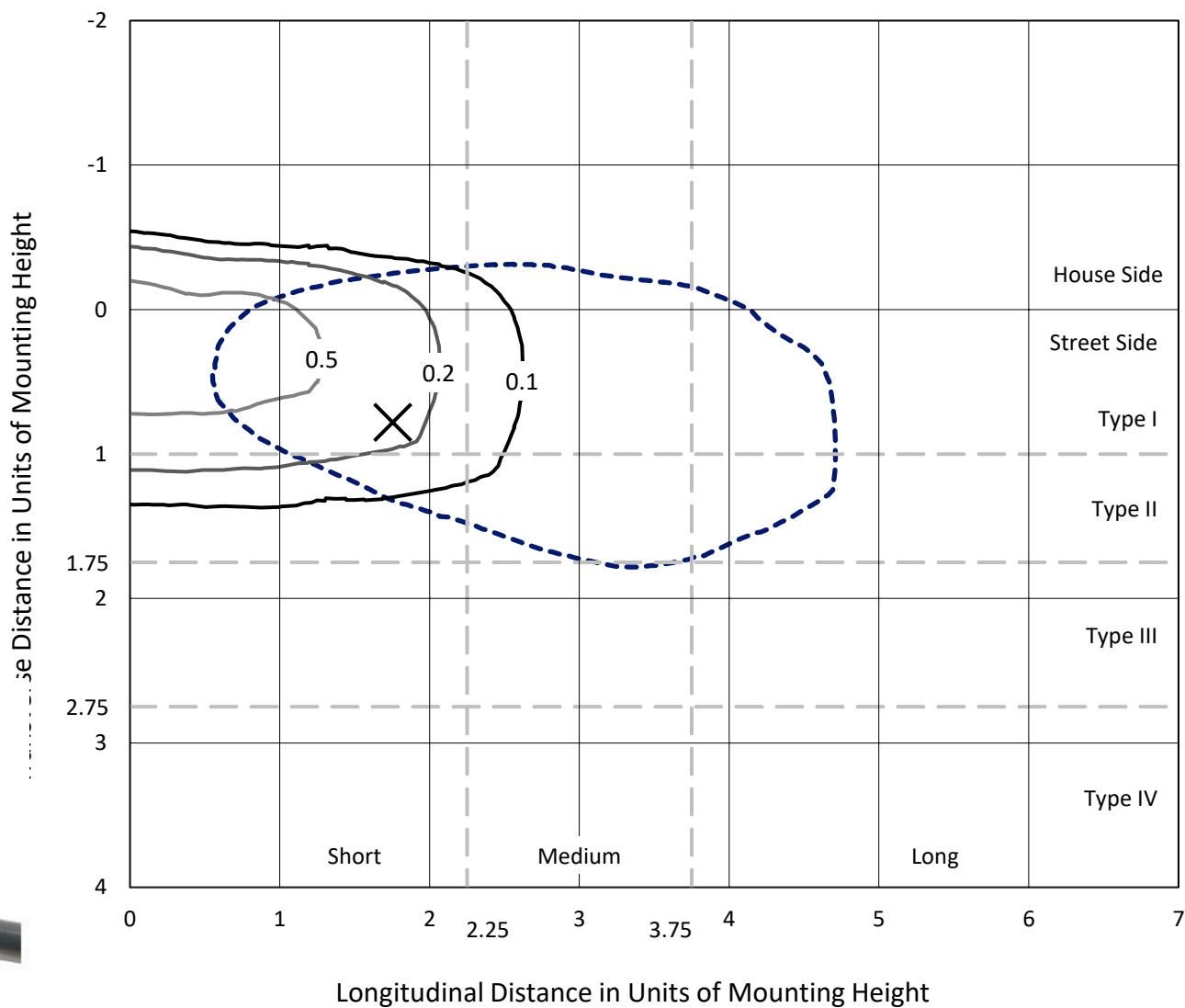
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

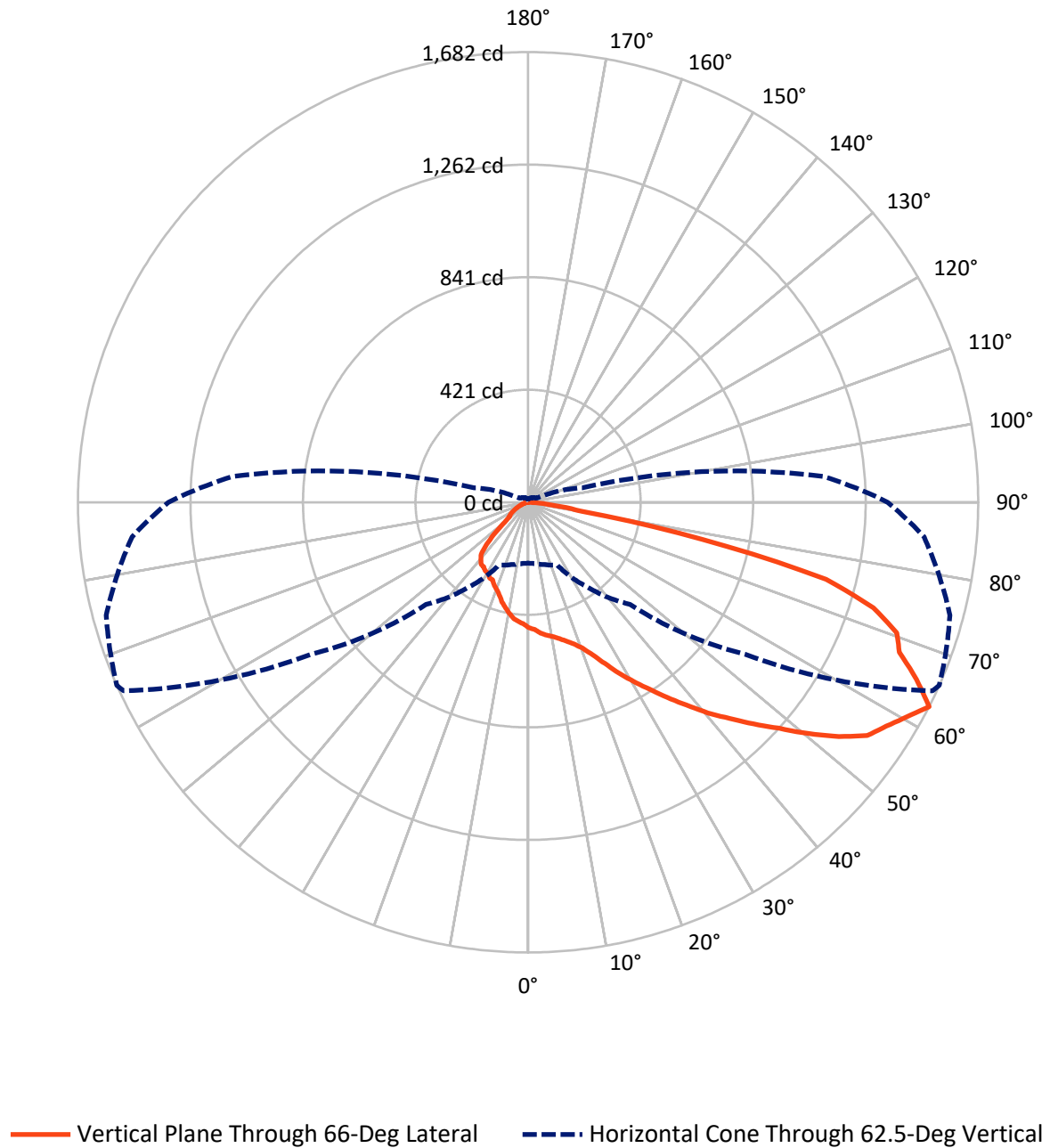


Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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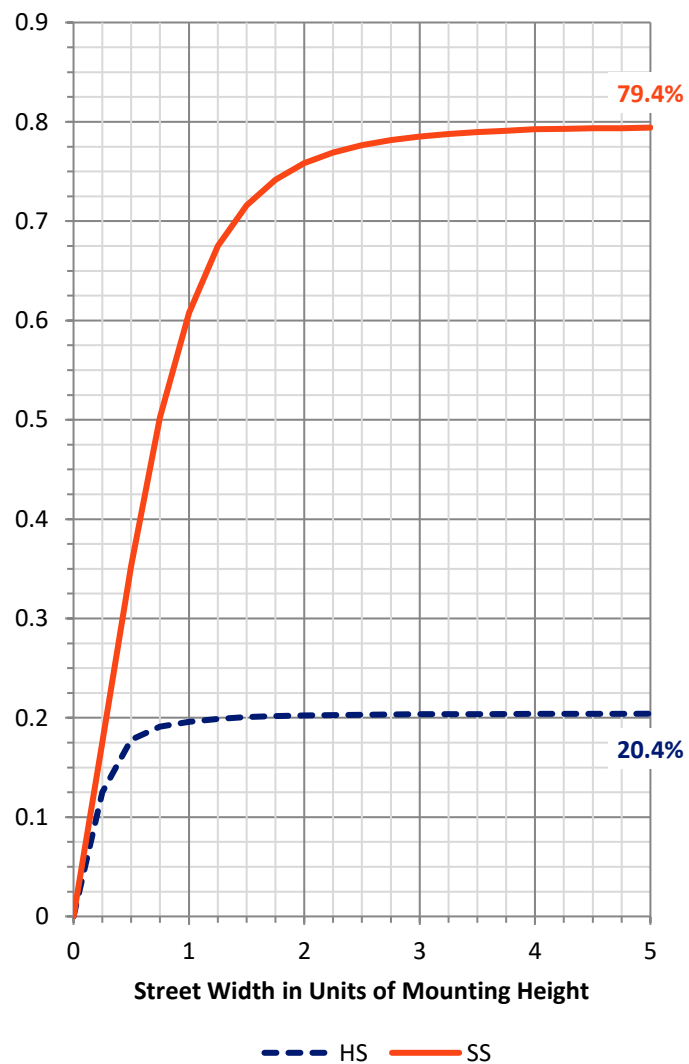
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	481.5	0.0	481.5
	% Fixture	20.7	0.0	20.7
Street Side	Lumens	1849.5	0.0	1849.5
	% Fixture	79.3	0.0	79.3
Total	Lumens	2331.0	0.0	2331.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.3	1.9
10°-20°	126.2	5.4
20°-30°	207.0	8.9
30°-40°	304.6	13.1
40°-50°	401.7	17.2
50°-60°	467.6	20.1
60°-70°	464.7	19.9
70°-80°	287.4	12.3
80°-90°	27.5	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°	2331.0	100.0
0°-180°	2331.0	100.0

Coefficient of Utilization



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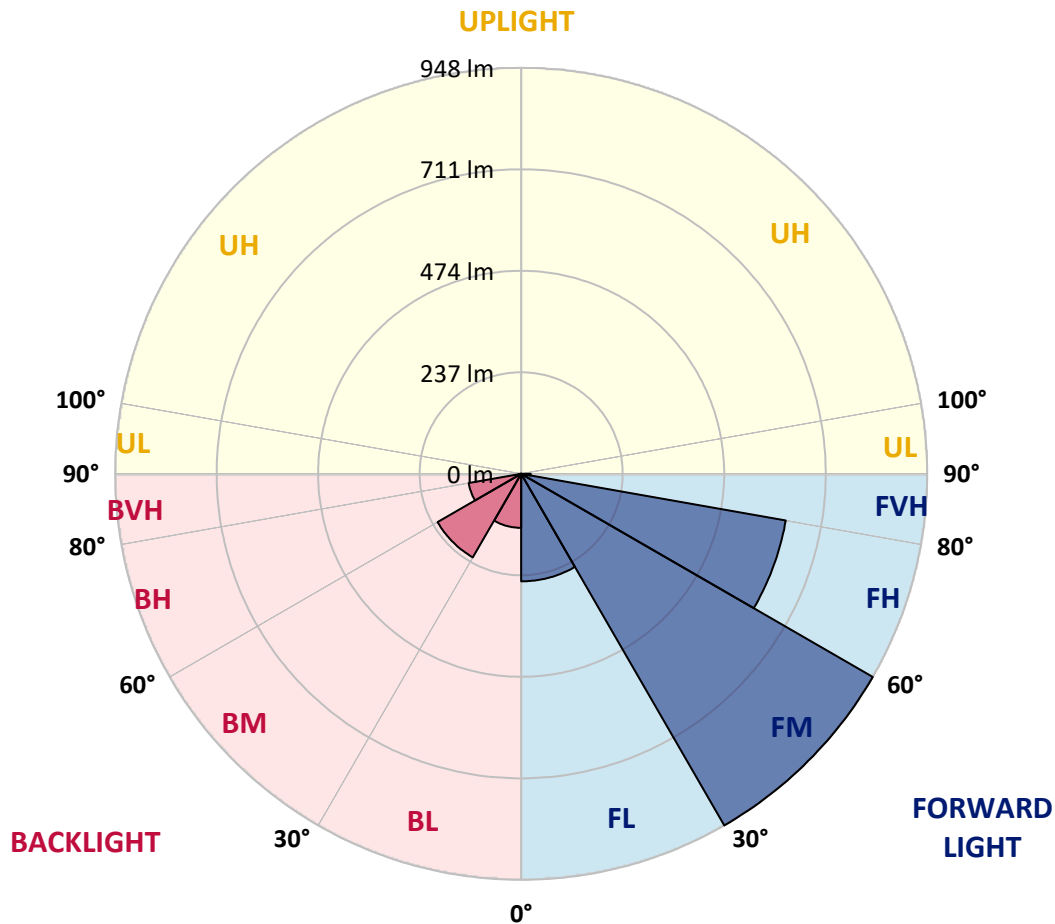
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	251.2	10.8			
FM	(30°-60°)	948.5	40.7			
FH	(60°-80°)	627.6	26.9			G0/660
FVH	(80°-90°)	22.2	1.0			G1/100
BL	(0°-30°)	126.3	5.4	B1/500		
BM	(30°-60°)	225.5	9.7	B1/1000		
BH	(60°-80°)	124.5	5.3	B1/500		G1/500
BVH	(80°-90°)	5.3	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°	469.1	469.1	469.1	469.1	469.1	469.1	469.1	469.1	469.1	469.1	469.1
2.5°	495.4	495.4	494.6	488.4	485.8	482.3	479.6	477.0	476.1	473.5	469.1
5°	524.4	523.5	523.5	518.3	513.0	506.0	498.9	491.9	491.0	484.0	474.3
7.5°	541.1	541.1	539.4	535.8	532.3	527.9	517.4	502.5	501.6	491.9	478.7
10°	545.5	546.4	549.9	541.1	538.5	534.1	528.8	513.0	510.4	496.3	475.2
12.5°	561.3	561.3	560.4	552.5	549.9	546.4	537.6	525.3	522.7	505.1	476.1
15°	580.6	581.5	578.9	571.9	568.3	563.9	552.5	539.4	538.5	515.6	483.1
17.5°	590.3	590.3	592.1	582.4	583.3	581.5	576.2	557.8	556.9	535.8	495.4
20°	593.8	594.7	595.6	595.6	596.4	594.7	600.0	584.2	581.5	557.8	512.1
22.5°	609.6	611.4	615.8	613.1	617.5	620.2	621.9	622.8	619.3	594.7	540.2
25°	616.7	621.0	627.2	636.9	643.9	649.2	662.3	668.5	667.6	646.5	586.8
27.5°	606.1	611.4	632.5	649.2	673.8	687.8	712.4	720.3	722.9	703.6	636.9
30°	620.2	621.9	631.6	652.7	683.4	725.6	759.0	776.5	776.5	761.6	686.0
32.5°	598.2	603.5	631.6	670.2	717.7	763.4	795.0	832.7	832.7	825.7	756.3
35°	595.6	598.2	614.9	657.9	718.6	802.0	844.2	889.0	895.1	896.0	825.7
37.5°	571.0	576.2	606.1	661.5	744.9	825.7	884.6	954.0	961.0	970.7	883.7
40°	543.7	545.5	571.9	629.8	738.8	856.5	923.2	1026.9	1034.8	1048.0	961.0
42.5°	503.3	510.4	554.3	617.5	736.1	866.1	966.3	1095.4	1104.2	1122.6	1025.1
45°	467.3	470.0	502.5	572.7	707.1	880.2	999.6	1176.2	1181.5	1192.9	1078.7
47.5°	438.3	440.1	472.6	533.2	679.9	876.7	1032.1	1249.1	1261.4	1279.0	1142.0
50°	351.4	361.0	441.8	500.7	632.5	870.5	1057.6	1340.5	1358.9	1365.9	1214.9
52.5°	299.5	301.3	343.5	468.2	583.3	844.2	1082.2	1433.6	1454.7	1435.3	1302.7
55°	277.6	279.3	298.7	403.2	542.0	793.2	1100.7	1523.2	1538.1	1490.7	1368.6
57.5°	263.5	267.0	275.8	327.7	492.8	708.0	1104.2	1572.4	1578.5	1534.6	1402.0
60°	244.2	244.2	261.8	286.4	439.2	616.7	1075.2	1597.0	1626.8	1584.7	1463.5
62.5°	227.5	229.3	240.7	259.1	386.5	539.4	990.0	1667.2	1682.2	1632.1	1485.4
65°	208.2	209.9	220.5	238.9	351.4	496.3	944.3	1639.1	1595.2	1619.8	1512.6
67.5°	186.2	187.1	197.6	214.3	295.2	457.7	834.5	1532.0	1496.0	1561.8	1437.1
70°	164.3	164.3	173.0	186.2	240.7	401.4	689.6	1434.5	1461.7	1465.2	1362.4
72.5°	137.0	137.9	146.7	158.1	193.3	335.6	545.5	1337.0	1349.3	1302.7	1198.2
75°	98.4	101.9	111.6	123.0	152.8	266.2	387.4	1086.6	1150.7	1233.3	1029.5
77.5°	14.9	14.9	18.4	28.1	50.1	133.5	179.2	600.0	665.8	1032.1	899.5
80°	12.3	12.3	13.2	18.4	29.0	74.7	58.0	188.0	202.0	474.3	506.9
82.5°	6.1	6.1	9.7	13.2	17.6	22.0	24.6	90.5	104.5	161.6	202.0
85°	3.5	3.5	4.4	6.1	7.0	7.0	7.9	43.0	44.8	87.8	91.4
87.5°	0.9	0.9	1.8	1.8	1.8	0.9	0.9	0.9	0.9	0.9	0.9
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°	469.1	469.1	469.1	469.1	469.1	469.1	469.1	469.1	469.1	469.1	469.1
2.5°	467.3	464.7	459.4	455.0	452.4	447.1	442.7	439.2	437.5	441.8	442.7
5°	468.2	462.1	452.4	446.2	439.2	430.4	419.9	413.7	411.1	412.0	414.6
7.5°	470.0	461.2	449.8	436.6	418.1	400.6	388.3	381.2	377.7	382.1	382.1
10°	464.7	455.0	439.2	419.0	395.3	377.7	363.7	351.4	347.0	348.7	349.6
12.5°	464.7	451.5	425.2	400.6	378.6	349.6	328.5	317.1	312.7	313.6	315.4
15°	467.3	449.8	412.9	383.0	350.5	319.7	301.3	287.2	282.9	278.5	280.2
17.5°	476.1	447.1	406.7	359.3	323.3	294.3	268.8	253.0	249.5	249.5	250.4
20°	484.9	450.6	396.2	341.7	298.7	262.6	236.3	224.9	217.0	213.5	217.0
22.5°	503.3	462.9	389.1	330.3	273.2	238.9	214.3	188.9	174.8	168.7	170.4
25°	536.7	484.9	394.4	310.1	259.1	217.0	182.7	152.0	132.6	126.5	128.2
27.5°	588.5	520.9	400.6	308.3	233.7	195.0	148.5	115.1	100.1	94.0	95.7
30°	639.5	570.1	420.8	290.8	224.0	159.9	112.4	88.7	73.8	67.6	69.4
32.5°	683.4	617.5	446.2	286.4	198.5	120.3	84.3	65.9	54.5	49.2	50.1
35°	748.4	657.9	468.2	273.2	168.7	90.5	61.5	47.4	41.3	39.5	39.5
37.5°	806.4	705.4	489.3	268.8	126.5	67.6	43.9	38.7	37.8	35.1	35.1
40°	867.0	755.4	498.9	253.0	92.2	47.4	36.0	36.0	35.1	32.5	32.5
42.5°	938.2	806.4	507.7	234.5	65.9	36.0	33.4	34.3	33.4	30.7	29.9
45°	989.1	838.0	510.4	188.0	45.7	34.3	31.6	32.5	31.6	29.9	29.0
47.5°	1035.7	883.7	498.9	131.8	36.9	32.5	30.7	30.7	30.7	28.1	27.2
50°	1084.0	921.5	489.3	71.2	36.0	31.6	29.0	28.1	29.0	27.2	26.4
52.5°	1148.1	950.5	463.8	48.3	35.1	30.7	28.1	26.4	27.2	25.5	26.4
55°	1233.3	1026.9	417.3	45.7	35.1	29.9	27.2	24.6	24.6	23.7	23.7
57.5°	1272.0	1055.9	342.6	43.9	34.3	29.9	25.5	22.8	21.1	20.2	19.3
60°	1319.4	1098.0	264.4	40.4	31.6	28.1	22.8	20.2	17.6	16.7	16.7
62.5°	1344.0	1107.7	209.1	36.0	29.0	24.6	20.2	16.7	14.1	12.3	12.3
65°	1358.0	1102.4	145.8	32.5	25.5	22.0	17.6	14.1	10.5	9.7	8.8
67.5°	1310.6	1070.8	85.2	28.1	22.0	19.3	14.9	11.4	8.8	7.9	7.0
70°	1215.7	974.2	53.6	24.6	19.3	16.7	13.2	9.7	7.0	6.1	6.1
72.5°	1113.8	785.3	36.9	19.3	14.9	13.2	9.7	7.9	6.1	4.4	4.4
75°	1002.3	681.7	27.2	14.1	10.5	9.7	7.9	6.1	5.3	3.5	3.5
77.5°	710.6	451.5	22.0	10.5	7.0	6.1	5.3	4.4	3.5	3.5	2.6
80°	419.9	220.5	16.7	7.0	5.3	4.4	3.5	3.5	2.6	2.6	2.6
82.5°	157.2	84.3	11.4	5.3	3.5	3.5	2.6	2.6	1.8	1.8	1.8
85°	57.1	21.1	5.3	2.6	2.6	1.8	1.8	1.8	1.8	1.8	1.8
87.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
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)