

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: P691134

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691134
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-3)
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
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE II OPTIC AND U0 SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2553 lumens
Efficiency: N/A
Efficacy: 125.1 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



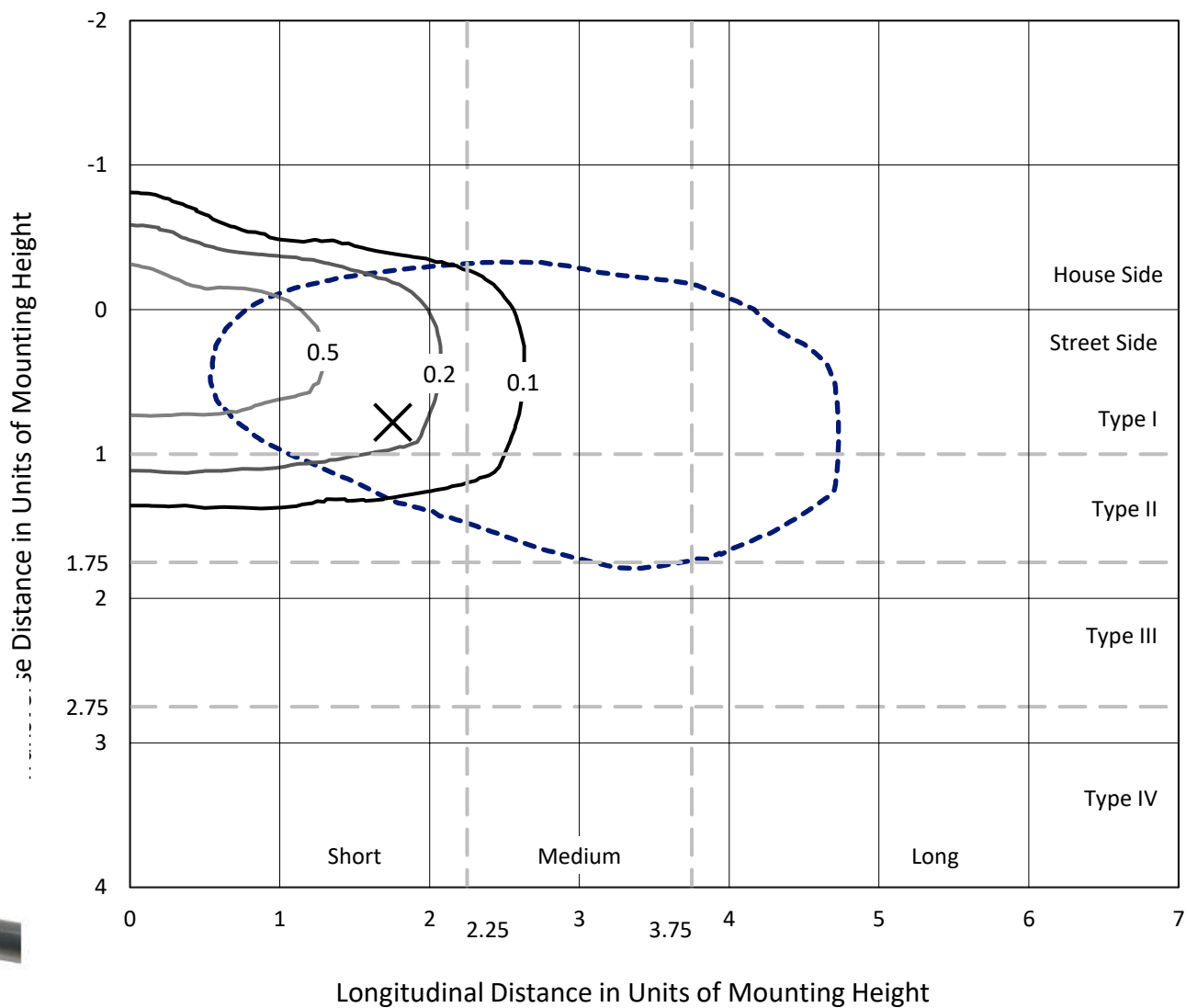
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

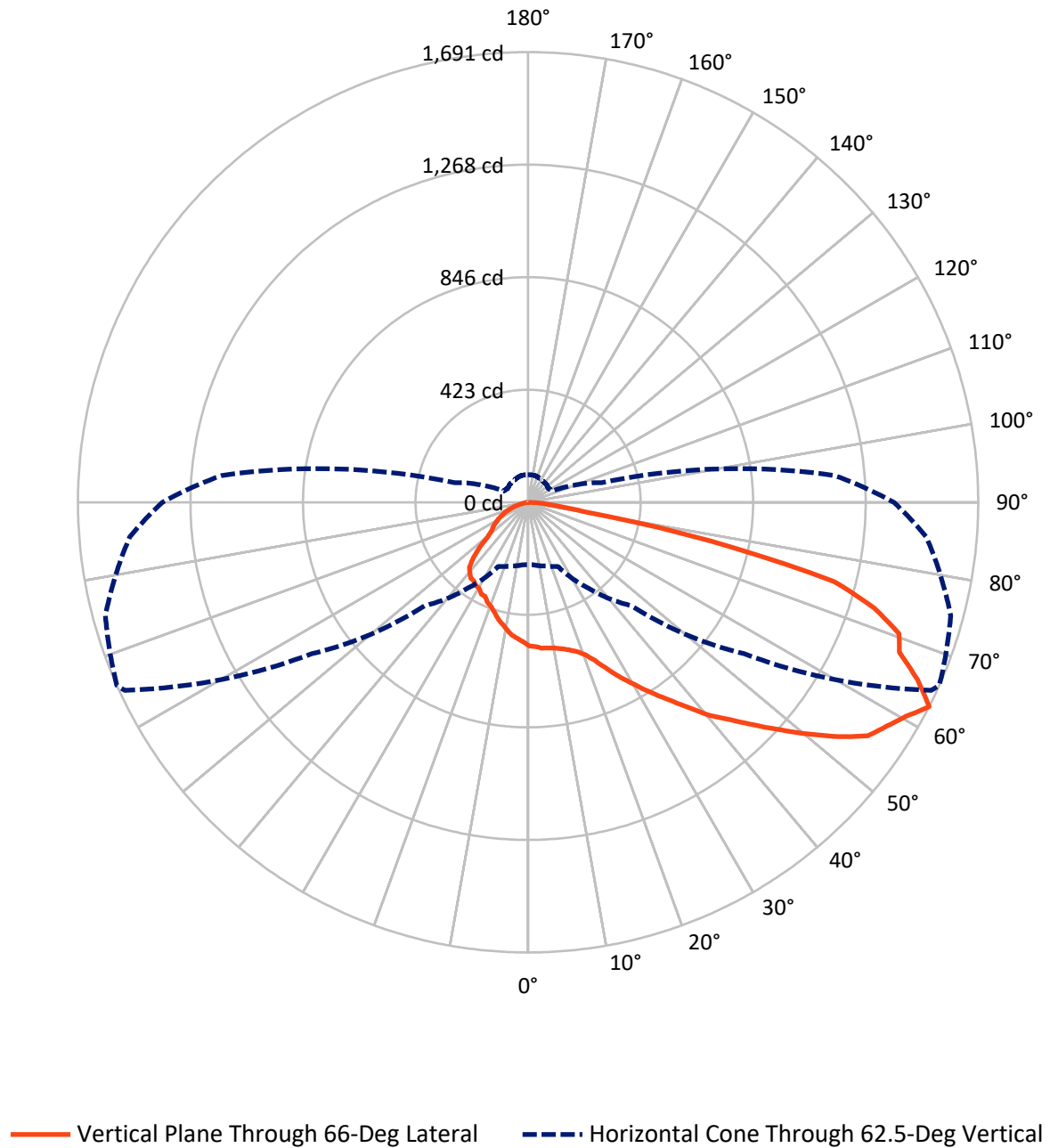
--- 1/2 Max cd



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

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Luminous Intensity Polar Plot



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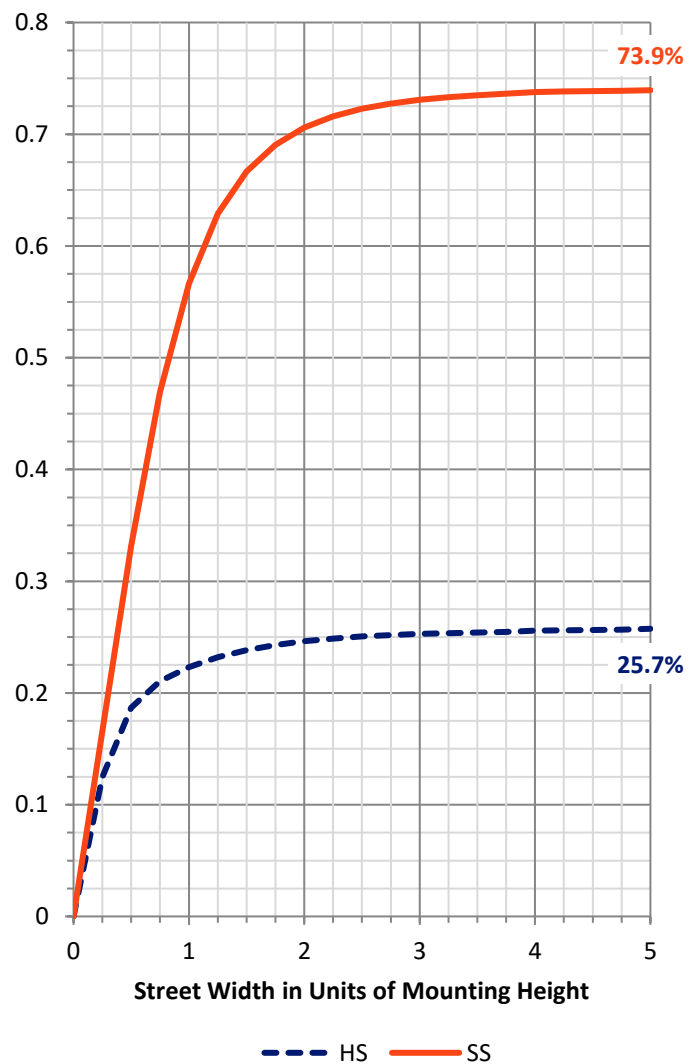
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	667.1	0.0	667.1
	% Fixture	26.1	0.0	26.1
Street Side	Lumens	1885.9	0.0	1885.9
	% Fixture	73.9	0.0	73.9
Total	Lumens	2553.0	0.0	2553.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.5	2.0
10°-20°	143.4	5.6
20°-30°	232.8	9.1
30°-40°	335.8	13.2
40°-50°	436.7	17.1
50°-60°	507.3	19.9
60°-70°	501.9	19.7
70°-80°	310.9	12.2
80°-90°	33.8	1.3
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°	2553.0	100.0
0°-180°	2553.0	100.0

Coefficient of Utilization



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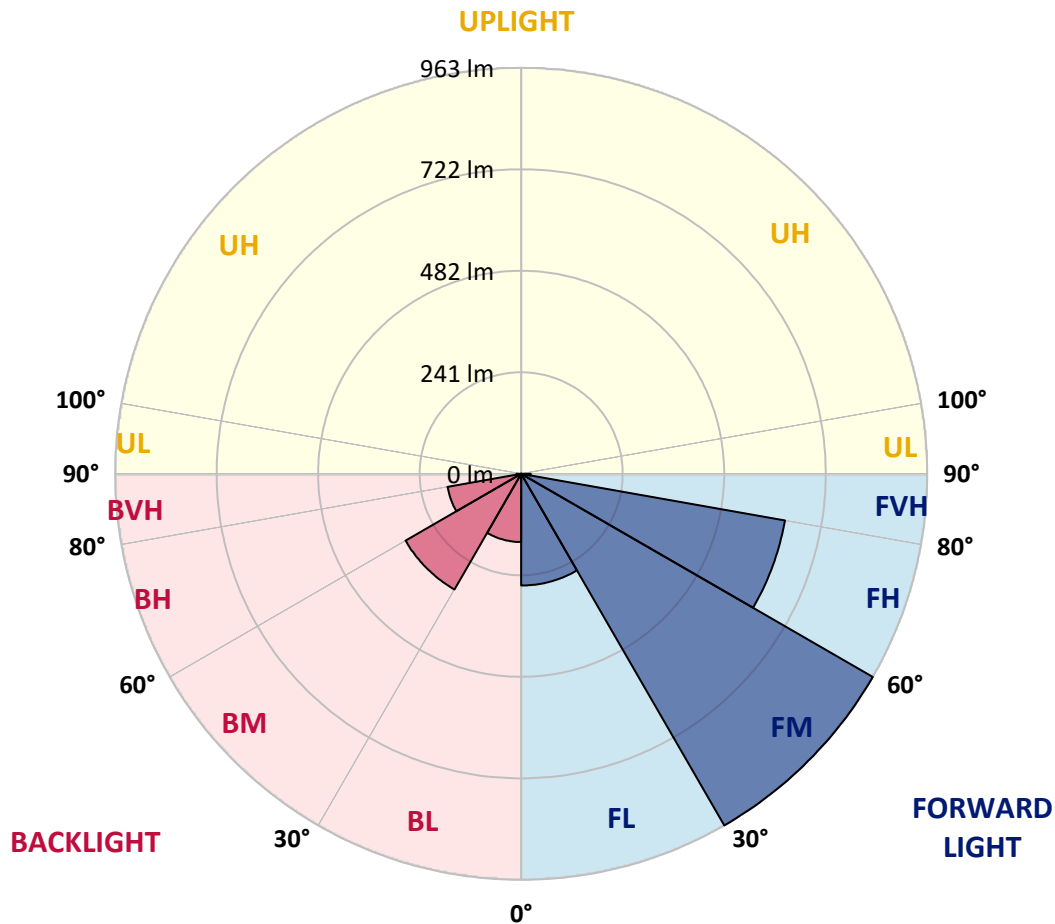
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	264.9	10.4			
FM	(30°-60°)	963.0	37.7			
FH	(60°-80°)	635.4	24.9			G0/660
FVH	(80°-90°)	22.6	0.9			G1/100
BL	(0°-30°)	161.8	6.3	B1/500		
BM	(30°-60°)	316.8	12.4	B1/1000		
BH	(60°-80°)	177.4	6.9	B1/500		G1/500
BVH	(80°-90°)	11.1	0.4			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 II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	540.0	540.0	540.0	540.0	540.0	540.0	540.0	540.0	540.0	540.0	540.0
2.5°	559.3	559.3	561.1	554.9	551.4	548.8	546.2	543.5	542.7	540.0	536.5
5°	583.9	583.9	584.8	578.7	571.6	563.7	555.8	550.6	550.6	544.4	535.6
7.5°	597.1	597.1	597.1	590.1	585.7	580.4	568.1	553.2	552.3	546.2	533.9
10°	597.1	597.1	600.6	590.1	586.6	581.3	574.3	558.5	556.7	542.7	526.0
12.5°	607.6	609.4	607.6	596.2	592.7	588.3	578.7	565.5	564.6	546.2	522.5
15°	622.6	623.4	620.8	612.9	609.4	602.4	591.0	576.9	575.1	553.2	525.1
17.5°	626.1	627.0	628.7	619.0	619.0	616.4	610.3	593.6	589.2	569.9	533.0
20°	624.3	625.2	627.8	626.1	627.0	625.2	629.6	615.5	610.3	589.2	545.3
22.5°	632.2	634.0	639.2	640.1	643.6	647.1	648.9	649.8	646.3	621.7	570.8
25°	634.9	640.1	647.1	656.8	669.1	676.1	685.8	695.4	694.6	670.0	612.9
27.5°	622.6	628.7	650.7	665.6	692.8	712.1	734.1	747.2	747.2	727.1	661.2
30°	634.0	636.6	648.0	669.1	700.7	744.6	778.9	795.5	797.3	784.1	708.6
32.5°	610.3	616.4	644.5	684.9	733.2	781.5	815.7	851.7	853.5	849.1	778.0
35°	607.6	611.1	627.0	670.0	732.3	815.7	861.4	907.1	911.5	916.7	845.6
37.5°	580.4	587.4	618.2	671.7	756.9	838.6	900.0	970.3	977.3	994.0	903.5
40°	551.4	556.7	582.2	640.1	749.0	867.5	937.8	1044.9	1053.7	1067.8	983.5
42.5°	511.9	522.5	566.4	627.0	745.5	876.3	979.9	1113.4	1116.9	1141.5	1046.7
45°	475.0	478.6	511.9	581.3	714.8	889.5	1011.6	1190.7	1193.3	1209.1	1099.4
47.5°	445.2	449.6	483.8	542.7	686.7	886.0	1043.2	1265.3	1277.6	1295.2	1163.5
50°	353.0	362.6	453.1	509.3	638.4	879.8	1068.6	1354.9	1368.9	1385.6	1232.0
52.5°	304.7	309.1	354.7	475.9	591.0	853.5	1092.3	1446.2	1462.9	1454.1	1318.9
55°	283.6	286.3	307.3	410.1	548.8	803.4	1109.9	1531.4	1548.9	1506.8	1387.4
57.5°	268.7	272.2	284.5	335.4	501.4	715.6	1111.7	1581.4	1587.6	1550.7	1415.5
60°	248.5	251.1	268.7	293.3	446.1	623.4	1080.0	1603.4	1632.4	1597.2	1478.7
62.5°	233.6	236.2	247.6	266.1	392.5	549.7	992.2	1671.9	1691.2	1643.8	1502.4
65°	216.0	216.0	227.4	245.9	358.3	504.9	946.6	1649.9	1607.8	1630.6	1531.4
67.5°	190.5	192.3	203.7	218.6	300.3	461.9	834.2	1548.1	1504.2	1567.4	1455.0
70°	169.5	167.7	180.0	191.4	245.9	407.4	691.1	1442.7	1478.7	1471.7	1384.7
72.5°	141.4	139.6	150.2	162.4	198.4	338.1	546.2	1339.1	1360.2	1316.2	1228.4
75°	109.8	99.2	114.2	130.0	156.3	267.8	387.2	1109.0	1188.0	1240.7	1047.6
77.5°	17.6	17.6	22.0	30.7	50.9	136.1	173.0	609.4	699.0	1056.3	918.5
80°	14.0	14.0	15.8	21.1	30.7	74.6	58.0	188.8	210.7	455.7	528.6
82.5°	7.9	7.9	11.4	14.0	19.3	22.8	25.5	92.2	102.7	161.6	204.6
85°	4.4	4.4	6.1	7.0	7.9	7.9	7.9	42.1	47.4	86.1	93.1
87.5°	2.6	2.6	2.6	2.6	2.6	1.8	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°	540.0	540.0	540.0	540.0	540.0	540.0	540.0	540.0	540.0	540.0	540.0
2.5°	534.8	532.1	527.7	524.2	521.6	518.9	514.6	511.9	511.9	516.3	517.2
5°	530.4	524.2	516.3	512.8	508.4	504.0	497.0	493.5	492.6	495.2	497.0
7.5°	526.9	518.1	510.2	501.4	488.2	476.8	470.7	466.3	468.0	472.4	470.7
10°	516.3	508.4	496.1	482.9	467.1	457.5	447.8	442.6	443.4	446.1	443.4
12.5°	511.9	501.4	481.2	465.4	451.3	432.9	420.6	412.7	412.7	417.1	417.1
15°	511.9	496.1	468.9	449.6	427.6	409.2	395.1	388.1	392.5	389.9	388.1
17.5°	516.3	491.7	461.0	428.5	402.2	383.7	367.0	357.4	360.0	361.8	360.0
20°	521.6	491.7	451.3	411.8	381.1	354.7	336.3	325.8	324.9	325.8	327.5
22.5°	539.1	503.1	445.2	401.3	354.7	329.3	310.8	292.4	291.5	290.6	292.4
25°	569.0	524.2	449.6	382.0	339.8	302.1	279.2	263.4	258.2	257.3	259.0
27.5°	618.2	561.1	456.6	379.3	312.6	278.4	250.3	232.7	227.4	229.2	228.3
30°	671.7	608.5	476.8	360.9	296.8	243.2	216.9	202.0	196.7	193.2	194.1
32.5°	711.2	655.9	502.3	354.7	266.1	205.5	186.2	177.4	171.2	166.8	166.0
35°	773.6	696.3	525.1	340.7	238.8	180.9	165.1	155.4	151.9	149.3	149.3
37.5°	833.3	745.5	547.9	336.3	203.7	164.2	144.9	138.7	137.0	135.2	135.2
40°	893.0	795.5	561.1	318.7	175.6	144.0	125.6	124.7	127.3	125.6	126.4
42.5°	966.8	847.4	574.3	302.1	155.4	122.9	112.4	119.4	124.7	125.6	125.6
45°	1017.7	882.5	579.5	261.7	134.3	107.1	109.8	117.7	123.8	126.4	125.6
47.5°	1064.2	929.9	571.6	212.5	116.8	104.5	108.9	114.2	122.9	126.4	126.4
50°	1109.9	969.4	564.6	157.2	110.6	105.4	108.9	111.5	121.2	124.7	124.7
52.5°	1174.0	1001.0	540.9	131.7	105.4	106.2	111.5	110.6	118.5	123.8	125.6
55°	1262.7	1074.8	495.2	124.7	104.5	105.4	111.5	111.5	116.8	121.2	123.8
57.5°	1302.2	1106.4	418.0	117.7	101.9	104.5	108.9	109.8	115.9	118.5	117.7
60°	1347.0	1145.9	342.5	109.8	97.5	102.7	104.5	108.0	112.4	112.4	111.5
62.5°	1374.2	1155.6	285.4	101.0	92.2	96.6	96.6	100.1	103.6	103.6	103.6
65°	1387.4	1145.9	213.4	93.1	86.1	89.6	88.7	90.4	93.1	88.7	88.7
67.5°	1335.6	1109.9	147.5	82.5	79.0	82.5	81.7	82.5	81.7	78.1	79.0
70°	1246.9	1008.9	101.9	70.2	69.4	75.5	76.4	74.6	69.4	66.7	66.7
72.5°	1135.4	809.6	70.2	56.2	58.8	66.7	68.5	65.0	59.7	57.1	57.1
75°	1030.0	699.8	50.1	38.6	39.5	50.9	54.4	54.4	52.7	70.2	74.6
77.5°	716.5	453.1	29.0	20.2	19.3	29.0	33.4	34.2	65.9	71.1	69.4
80°	425.0	213.4	21.1	12.3	12.3	16.7	22.8	44.8	75.5	50.9	45.7
82.5°	162.4	81.7	13.2	7.9	7.0	8.8	13.2	69.4	43.9	29.0	26.3
85°	58.8	20.2	6.1	4.4	4.4	5.3	7.9	58.8	30.7	22.0	21.1
87.5°	0.9	0.9	1.8	1.8	1.8	0.9	0.9	1.8	1.8	1.8	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)