

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: P691141

Luminaire Tested: **CRTK2-C013-D-U-T3-7030-U0-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691141
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-C013-D-U-T3-7030-U0-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K 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: 2651 lumens
Efficiency: N/A
Efficacy: 130.0 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type III - Medium
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

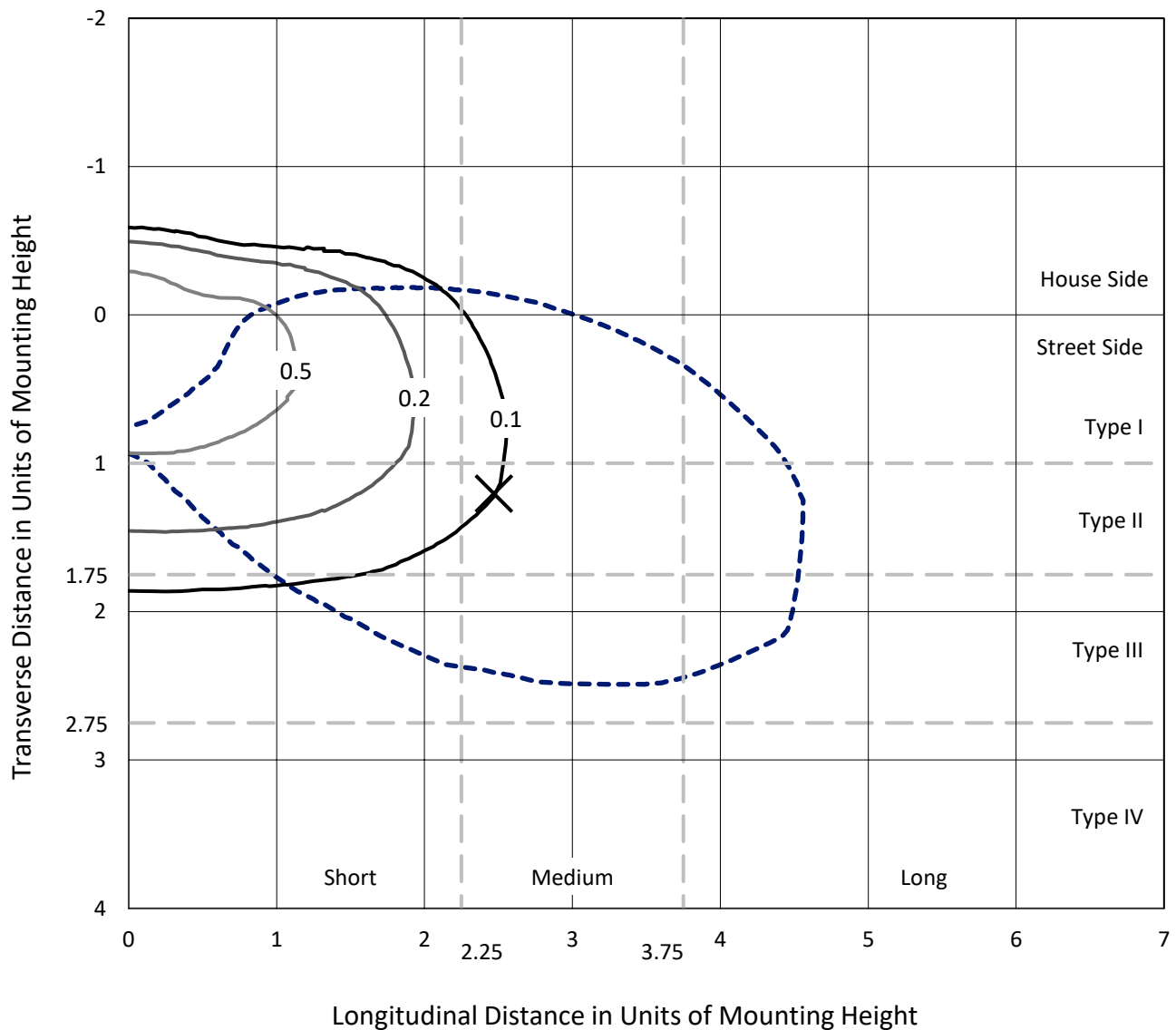


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

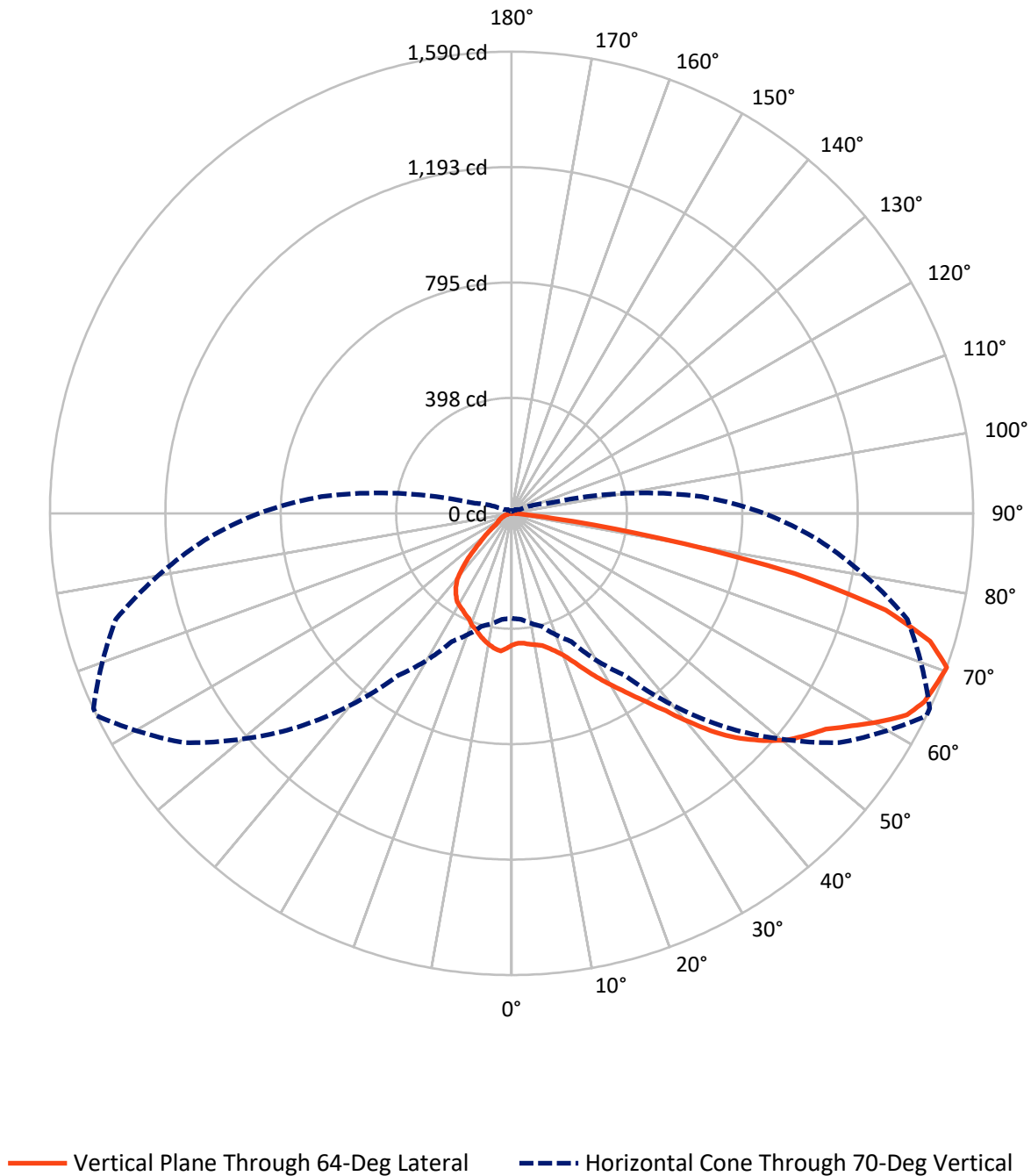


Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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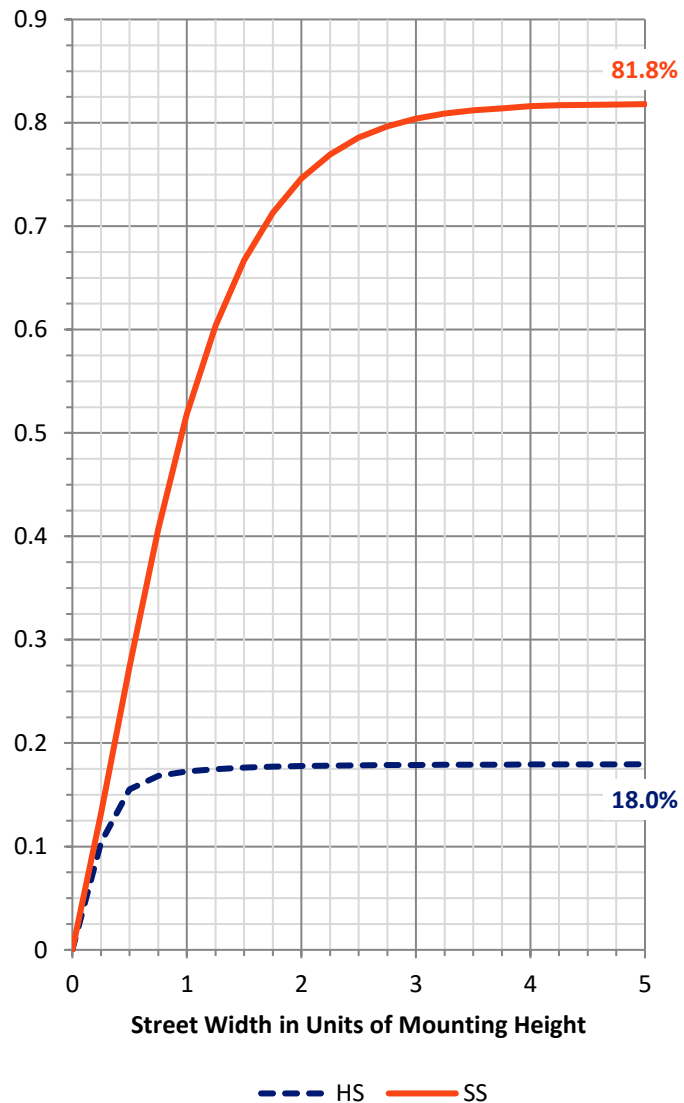
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	481.8	0.0	481.8
	% Fixture	18.2	0.0	18.2
Street Side	Lumens	2169.2	0.0	2169.2
	% Fixture	81.8	0.0	81.8
Total	Lumens	2651.0	0.0	2651.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.1	1.7
10°-20°	130.5	4.9
20°-30°	219.9	8.3
30°-40°	323.6	12.2
40°-50°	443.8	16.7
50°-60°	539.9	20.4
60°-70°	573.3	21.6
70°-80°	351.4	13.3
80°-90°	24.5	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°	2651.0	100.0
0°-180°	2651.0	100.0

Coefficient of Utilization



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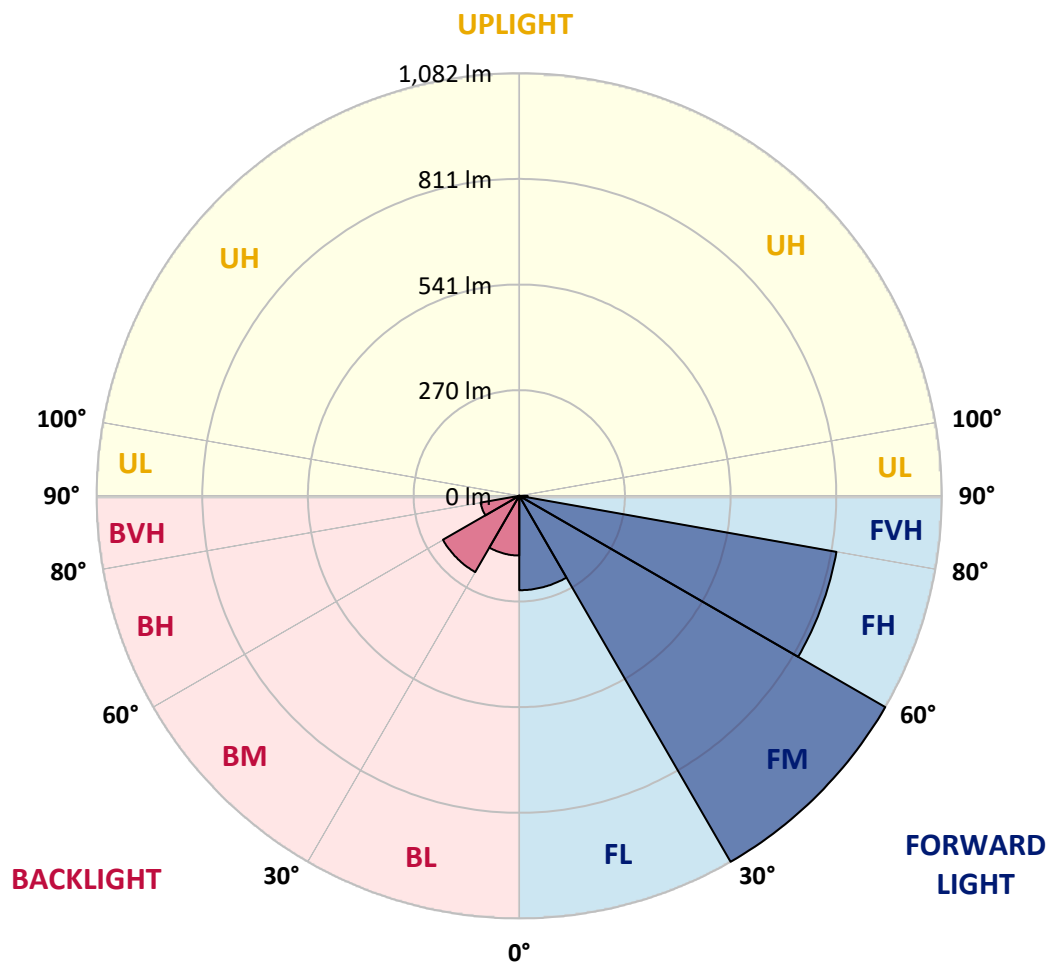
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	241.7	9.1			
FM	(30°-60°)	1081.8	40.8			
FH	(60°-80°)	824.4	31.1			G1/1800
FVH	(80°-90°)	21.4	0.8			G1/100
BL	(0°-30°)	152.8	5.8	B1/500		
BM	(30°-60°)	225.5	8.5	B1/1000		
BH	(60°-80°)	100.3	3.8	B0/110		G0/110
BVH	(80°-90°)	3.1	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°	452.7	452.7	452.7	452.7	452.7	452.7	452.7	452.7	452.7	452.7	452.7
2.5°	447.8	447.8	448.8	447.8	449.7	446.8	447.8	447.8	447.8	448.8	451.7
5°	461.4	461.4	459.5	456.5	453.6	449.7	449.7	449.7	449.7	451.7	458.5
7.5°	470.1	469.2	469.2	469.2	466.3	458.5	456.5	455.6	455.6	455.6	462.4
10°	491.5	488.6	484.7	478.9	476.0	469.2	461.4	460.4	460.4	461.4	470.1
12.5°	511.9	509.0	509.0	505.1	493.5	485.7	472.1	467.2	467.2	469.2	474.0
15°	545.9	543.0	535.2	528.4	517.7	504.1	490.5	481.8	480.8	484.7	477.9
17.5°	570.2	565.3	566.3	555.6	546.9	527.5	513.9	500.3	500.3	504.1	490.5
20°	593.5	593.5	594.5	593.5	578.9	563.4	541.1	524.5	525.5	526.5	505.1
22.5°	628.5	627.5	627.5	628.5	618.8	601.3	577.0	558.5	557.6	549.8	523.6
25°	669.3	667.3	663.4	667.3	662.5	642.1	618.8	600.3	597.4	586.7	550.8
27.5°	703.3	703.3	703.3	705.2	705.2	690.6	664.4	645.0	646.9	632.4	582.8
30°	727.6	727.6	736.3	740.2	743.1	738.2	710.1	689.7	693.6	676.1	622.6
32.5°	753.8	752.8	764.5	773.2	777.1	779.0	755.7	739.2	740.2	724.6	668.3
35°	778.1	776.1	791.7	810.1	819.8	817.9	801.4	795.6	797.5	792.6	730.5
37.5°	795.6	798.5	818.9	843.2	858.7	862.6	851.9	862.6	873.3	880.1	811.1
40°	815.0	815.0	834.4	860.6	884.9	899.5	907.3	946.1	954.9	959.7	858.7
42.5°	795.6	802.4	843.2	881.0	913.1	935.4	967.5	1032.6	1042.3	1012.2	921.8
45°	779.0	784.9	825.7	889.8	936.4	980.1	1038.4	1106.4	1116.1	1064.6	957.8
47.5°	762.5	769.3	812.1	883.0	957.8	1029.7	1095.7	1169.5	1174.4	1110.3	1005.4
50°	744.1	750.9	795.6	874.2	970.4	1083.1	1152.0	1227.8	1228.8	1150.1	1029.7
52.5°	720.8	729.5	774.2	861.6	981.1	1119.0	1202.6	1270.6	1264.7	1198.7	1058.8
55°	691.6	701.3	750.9	845.1	986.9	1142.3	1235.6	1312.3	1308.4	1255.0	1096.7
57.5°	658.6	669.3	720.8	819.8	985.0	1154.0	1269.6	1381.3	1383.2	1301.6	1124.8
60°	620.7	630.4	679.0	786.8	959.7	1175.4	1342.4	1457.1	1463.9	1353.1	1136.5
62.5°	571.2	579.9	626.5	738.2	927.7	1190.9	1397.8	1528.9	1526.0	1388.1	1140.4
65°	509.0	518.7	562.4	674.1	877.1	1181.2	1415.3	1562.9	1562.9	1413.3	1137.5
67.5°	445.9	454.6	491.5	592.5	795.6	1132.6	1404.6	1576.5	1585.3	1429.9	1111.2
70°	361.4	366.2	403.1	486.7	681.9	1041.3	1377.4	1590.1	1589.2	1411.4	1061.7
72.5°	265.2	271.0	301.1	365.2	527.5	901.4	1291.9	1507.6	1492.0	1312.3	965.5
75°	137.0	142.8	166.1	229.2	336.1	636.2	1101.5	1331.7	1328.8	1161.8	799.4
77.5°	18.5	18.5	21.4	37.9	77.7	253.5	721.7	997.6	991.8	885.9	580.9
80°	12.6	12.6	14.6	17.5	22.3	55.4	254.5	506.1	514.8	456.5	260.3
82.5°	9.7	8.7	10.7	12.6	13.6	25.3	77.7	139.9	141.8	127.2	79.7
85°	5.8	5.8	5.8	5.8	4.9	6.8	17.5	23.3	26.2	25.3	20.4
87.5°	2.9	2.9	2.9	1.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0
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°	452.7	452.7	452.7	452.7	452.7	452.7	452.7	452.7	452.7	452.7	452.7
2.5°	452.7	455.6	459.5	464.3	469.2	473.1	476.9	478.9	480.8	481.8	482.8
5°	460.4	464.3	469.2	476.0	476.0	473.1	471.1	471.1	473.1	476.0	476.9
7.5°	468.2	472.1	470.1	469.2	470.1	466.3	461.4	458.5	456.5	456.5	458.5
10°	471.1	467.2	465.3	460.4	450.7	448.8	444.9	437.1	435.2	437.1	430.3
12.5°	469.2	466.3	456.5	448.8	439.1	422.5	412.8	412.8	408.0	407.0	408.0
15°	474.0	464.3	452.7	436.1	418.7	405.1	389.5	375.9	372.0	373.0	373.0
17.5°	477.9	468.2	444.9	419.6	404.1	379.8	362.3	354.6	347.8	346.8	346.8
20°	486.7	473.1	440.0	412.8	374.0	355.5	336.1	326.4	315.7	301.1	296.3
22.5°	500.3	481.8	437.1	394.4	360.4	331.2	303.1	273.9	256.4	244.8	247.7
25°	518.7	498.3	440.0	387.6	340.0	303.1	266.2	226.3	200.1	192.3	197.2
27.5°	551.7	516.8	448.8	377.9	325.4	270.0	214.7	179.7	155.4	147.6	150.6
30°	581.9	544.9	449.7	372.0	302.1	231.2	169.0	130.2	110.7	99.1	96.2
32.5°	636.2	575.1	474.0	364.3	277.8	188.4	124.3	86.5	69.0	62.2	60.2
35°	689.7	628.5	480.8	349.7	233.1	139.9	76.7	51.5	41.8	36.9	35.9
37.5°	763.5	693.6	509.0	334.2	188.4	85.5	46.6	31.1	29.1	28.2	28.2
40°	800.4	727.6	532.3	311.8	132.1	48.6	30.1	27.2	26.2	25.3	25.3
42.5°	852.9	766.4	551.7	272.0	77.7	32.1	27.2	25.3	24.3	23.3	23.3
45°	882.0	786.8	546.9	223.4	38.9	30.1	26.2	24.3	22.3	22.3	22.3
47.5°	920.9	816.9	534.3	165.1	35.0	29.1	25.3	23.3	22.3	23.3	22.3
50°	957.8	846.1	499.3	131.1	34.0	28.2	25.3	22.3	22.3	22.3	22.3
52.5°	978.2	873.3	455.6	96.2	35.0	28.2	24.3	22.3	22.3	21.4	22.3
55°	997.6	877.1	420.6	69.9	35.0	27.2	23.3	21.4	20.4	19.4	19.4
57.5°	1011.2	868.4	392.4	58.3	35.0	27.2	22.3	20.4	17.5	16.5	16.5
60°	1007.3	847.0	369.1	53.4	33.0	25.3	20.4	17.5	15.5	13.6	13.6
62.5°	996.6	834.4	326.4	46.6	30.1	23.3	18.5	14.6	12.6	11.7	11.7
65°	986.9	794.6	276.8	41.8	28.2	20.4	15.5	12.6	10.7	9.7	9.7
67.5°	940.3	742.1	205.9	35.9	25.3	18.5	13.6	11.7	9.7	8.7	7.8
70°	871.3	657.6	135.0	31.1	22.3	15.5	11.7	9.7	7.8	6.8	6.8
72.5°	753.8	543.0	69.9	25.3	18.5	13.6	10.7	8.7	6.8	5.8	5.8
75°	612.0	399.2	41.8	19.4	14.6	11.7	8.7	6.8	5.8	4.9	4.9
77.5°	423.5	220.5	30.1	14.6	9.7	8.7	6.8	5.8	4.9	3.9	3.9
80°	142.8	60.2	21.4	10.7	6.8	6.8	4.9	3.9	3.9	2.9	2.9
82.5°	56.3	36.9	14.6	7.8	5.8	4.9	3.9	2.9	2.9	2.9	2.9
85°	15.5	10.7	5.8	3.9	2.9	2.9	2.9	1.9	1.9	1.9	1.9
87.5°	1.0	1.9	1.9	1.9	1.9	1.9	1.0	1.0	1.0	1.0	1.0
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)