

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: P691073

Luminaire Tested: **CRTK2-C013-5TLD-U-T3-8027-U0-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691073
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-C013-5TLD-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: 2832 lumens
Efficiency: N/A
Efficacy: 122.1 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 23.2
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

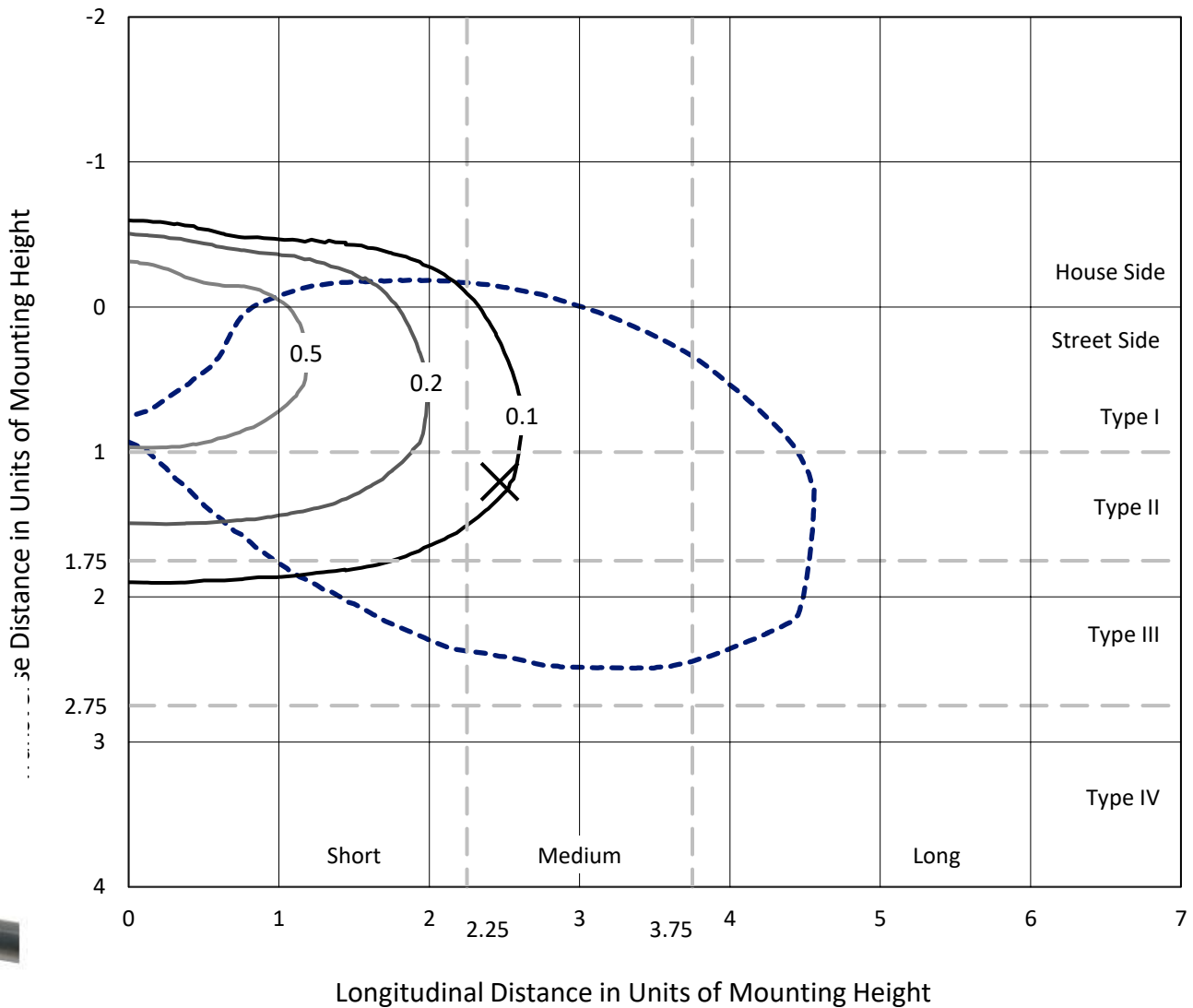


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

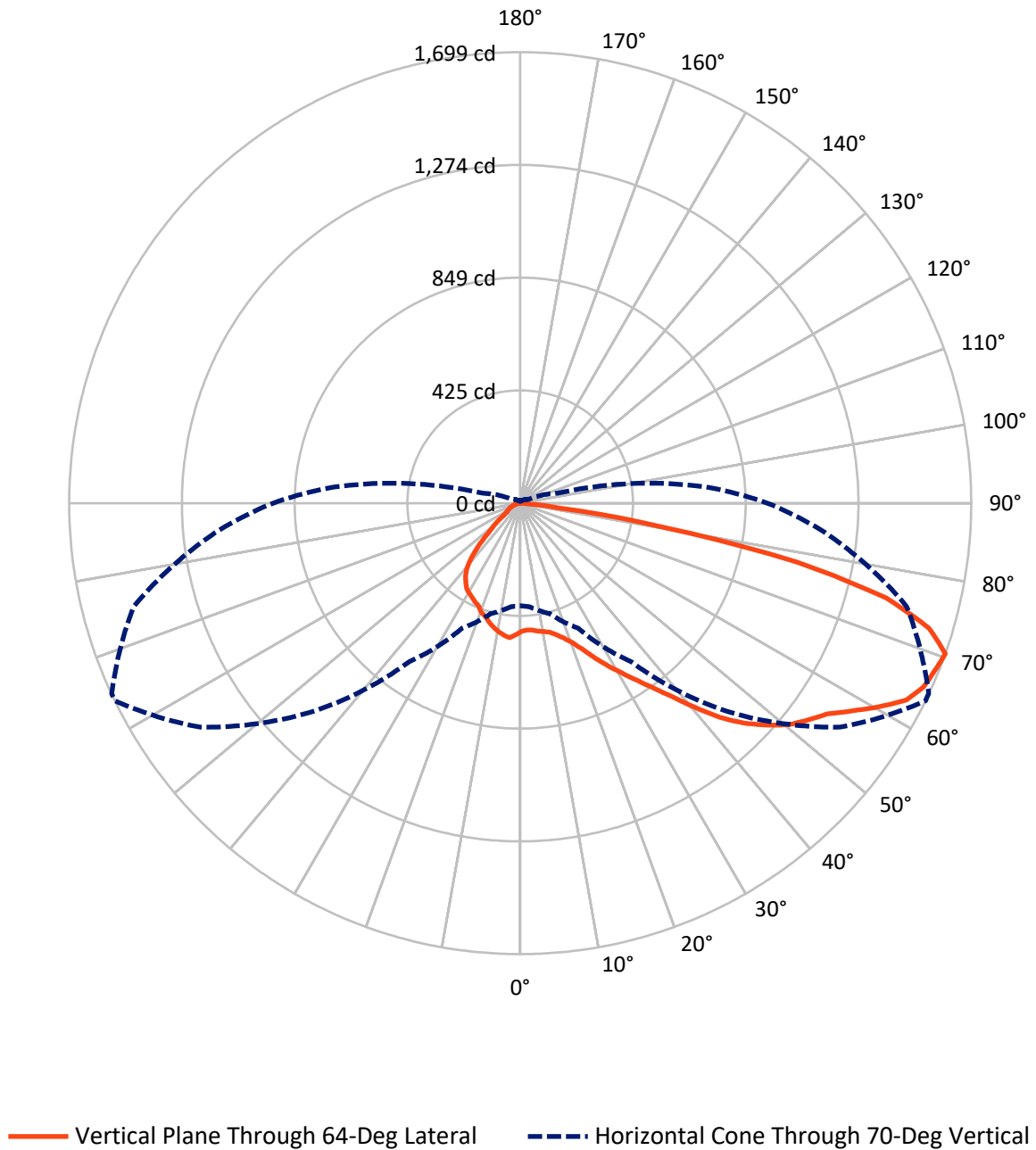


Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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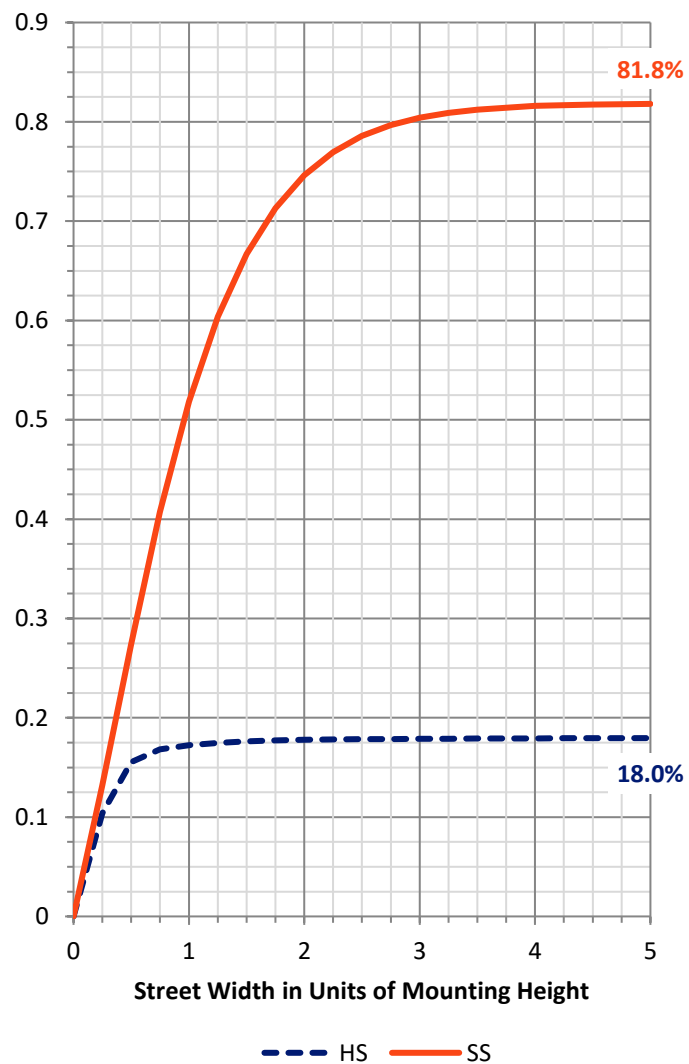
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	514.7	0.0	514.7
	% Fixture	18.2	0.0	18.2
Street Side	Lumens	2317.3	0.0	2317.3
	% Fixture	81.8	0.0	81.8
Total	Lumens	2832.0	0.0	2832.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.1	1.7
10°-20°	139.4	4.9
20°-30°	234.9	8.3
30°-40°	345.7	12.2
40°-50°	474.1	16.7
50°-60°	576.8	20.4
60°-70°	612.4	21.6
70°-80°	375.4	13.3
80°-90°	26.2	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°	2832.0	100.0
0°-180°	2832.0	100.0

Coefficient of Utilization



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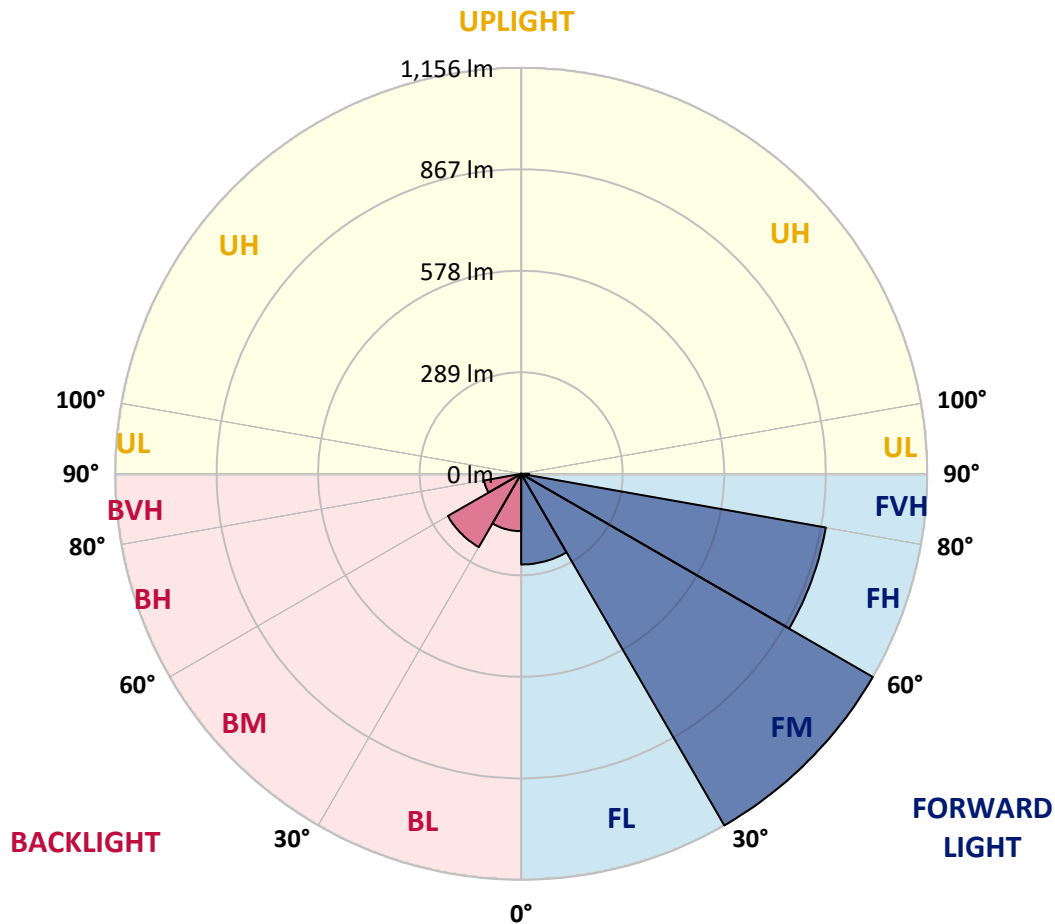
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	258.1	9.1			
FM	(30°-60°)	1155.7	40.8			
FH	(60°-80°)	880.7	31.1			G1/1800
FVH	(80°-90°)	22.8	0.8			G1/100
BL	(0°-30°)	163.3	5.8	B1/500		
BM	(30°-60°)	240.9	8.5	B1/1000		
BH	(60°-80°)	107.2	3.8	B0/110		G0/110
BVH	(80°-90°)	3.4	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°	483.6	483.6	483.6	483.6	483.6	483.6	483.6	483.6	483.6	483.6	483.6
2.5°	478.4	478.4	479.4	478.4	480.5	477.3	478.4	478.4	478.4	479.4	482.5
5°	492.9	492.9	490.8	487.7	484.6	480.5	480.5	480.5	480.5	482.5	489.8
7.5°	502.2	501.2	501.2	501.2	498.1	489.8	487.7	486.7	486.7	486.7	493.9
10°	525.1	522.0	517.8	511.6	508.5	501.2	492.9	491.9	491.9	492.9	502.2
12.5°	546.9	543.8	543.8	539.6	527.1	518.8	504.3	499.1	499.1	501.2	506.4
15°	583.2	580.1	571.8	564.5	553.1	538.6	524.0	514.7	513.7	517.8	510.5
17.5°	609.1	603.9	605.0	593.6	584.2	563.5	548.9	534.4	534.4	538.6	524.0
20°	634.0	634.0	635.1	634.0	618.5	601.9	578.0	560.4	561.4	562.4	539.6
22.5°	671.4	670.3	670.3	671.4	661.0	642.3	616.4	596.7	595.6	587.3	559.3
25°	715.0	712.9	708.7	712.9	707.7	685.9	661.0	641.3	638.2	626.8	588.4
27.5°	751.3	751.3	751.3	753.4	753.4	737.8	709.8	689.0	691.1	675.5	622.6
30°	777.2	777.2	786.6	790.7	793.8	788.6	758.6	736.8	740.9	722.2	665.2
32.5°	805.2	804.2	816.7	826.0	830.2	832.2	807.3	789.7	790.7	774.1	713.9
35°	831.2	829.1	845.7	865.4	875.8	873.7	856.1	849.9	851.9	846.8	780.3
37.5°	849.9	853.0	874.8	900.7	917.3	921.5	910.1	921.5	932.9	940.1	866.5
40°	870.6	870.6	891.4	919.4	945.3	960.9	969.2	1010.7	1020.1	1025.2	917.3
42.5°	849.9	857.1	900.7	941.2	975.4	999.3	1033.5	1103.1	1113.4	1081.3	984.8
45°	832.2	838.5	882.0	950.5	1000.3	1047.0	1109.3	1181.9	1192.3	1137.3	1023.2
47.5°	814.6	821.9	867.5	943.3	1023.2	1100.0	1170.5	1249.4	1254.6	1186.1	1074.0
50°	794.9	802.1	849.9	933.9	1036.7	1157.0	1230.7	1311.6	1312.7	1228.6	1100.0
52.5°	770.0	779.3	827.0	920.4	1048.1	1195.4	1284.7	1357.3	1351.1	1280.5	1131.1
55°	738.8	749.2	802.1	902.8	1054.3	1220.3	1319.9	1401.9	1397.8	1340.7	1171.6
57.5°	703.6	715.0	770.0	875.8	1052.2	1232.8	1356.3	1475.6	1477.7	1390.5	1201.6
60°	663.1	673.5	725.3	840.5	1025.2	1255.6	1434.1	1556.5	1563.8	1445.5	1214.1
62.5°	610.2	619.5	669.3	788.6	991.0	1272.2	1493.2	1633.3	1630.2	1482.9	1218.3
65°	543.8	554.1	600.8	720.2	937.0	1261.8	1511.9	1669.6	1669.6	1509.8	1215.1
67.5°	476.3	485.6	525.1	633.0	849.9	1209.9	1500.5	1684.2	1693.5	1527.5	1187.1
70°	386.0	391.2	430.6	519.9	728.5	1112.4	1471.4	1698.7	1697.7	1507.8	1134.2
72.5°	283.3	289.5	321.7	390.2	563.5	963.0	1380.1	1610.5	1593.9	1401.9	1031.5
75°	146.3	152.5	177.4	244.9	359.0	679.7	1176.7	1422.7	1419.6	1241.1	854.0
77.5°	19.7	19.7	22.8	40.5	83.0	270.8	771.0	1065.7	1059.5	946.4	620.5
80°	13.5	13.5	15.6	18.7	23.9	59.1	271.9	540.6	550.0	487.7	278.1
82.5°	10.4	9.3	11.4	13.5	14.5	27.0	83.0	149.4	151.5	135.9	85.1
85°	6.2	6.2	6.2	6.2	5.2	7.3	18.7	24.9	28.0	27.0	21.8
87.5°	3.1	3.1	3.1	2.1	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°	483.6	483.6	483.6	483.6	483.6	483.6	483.6	483.6	483.6	483.6	483.6
2.5°	483.6	486.7	490.8	496.0	501.2	505.4	509.5	511.6	513.7	514.7	515.7
5°	491.9	496.0	501.2	508.5	508.5	505.4	503.3	503.3	505.4	508.5	509.5
7.5°	500.2	504.3	502.2	501.2	502.2	498.1	492.9	489.8	487.7	487.7	489.8
10°	503.3	499.1	497.1	491.9	481.5	479.4	475.3	467.0	464.9	467.0	459.7
12.5°	501.2	498.1	487.7	479.4	469.0	451.4	441.0	441.0	435.8	434.8	435.8
15°	506.4	496.0	483.6	465.9	447.2	432.7	416.1	401.6	397.4	398.5	398.5
17.5°	510.5	500.2	475.3	448.3	431.7	405.7	387.1	378.8	371.5	370.5	370.5
20°	519.9	505.4	470.1	441.0	399.5	379.8	359.0	348.7	337.3	321.7	316.5
22.5°	534.4	514.7	467.0	421.3	385.0	353.9	323.8	292.6	274.0	261.5	264.6
25°	554.1	532.3	470.1	414.0	363.2	323.8	284.3	241.8	213.8	205.5	210.7
27.5°	589.4	552.1	479.4	403.7	347.6	288.5	229.3	192.0	166.0	157.7	160.8
30°	621.6	582.1	480.5	397.4	322.7	247.0	180.6	139.1	118.3	105.8	102.7
32.5°	679.7	614.3	506.4	389.1	296.8	201.3	132.8	92.4	73.7	66.4	64.3
35°	736.8	671.4	513.7	373.6	249.0	149.4	82.0	55.0	44.6	39.4	38.4
37.5°	815.6	740.9	543.8	357.0	201.3	91.3	49.8	33.2	31.1	30.1	30.1
40°	855.1	777.2	568.7	333.1	141.1	51.9	32.2	29.1	28.0	27.0	27.0
42.5°	911.1	818.7	589.4	290.6	83.0	34.2	29.1	27.0	25.9	24.9	24.9
45°	942.2	840.5	584.2	238.7	41.5	32.2	28.0	25.9	23.9	23.9	23.9
47.5°	983.7	872.7	570.7	176.4	37.4	31.1	27.0	24.9	23.9	24.9	23.9
50°	1023.2	903.8	533.4	140.1	36.3	30.1	27.0	23.9	23.9	23.9	23.9
52.5°	1045.0	932.9	486.7	102.7	37.4	30.1	25.9	23.9	23.9	22.8	23.9
55°	1065.7	937.0	449.3	74.7	37.4	29.1	24.9	22.8	21.8	20.8	20.8
57.5°	1080.2	927.7	419.2	62.3	37.4	29.1	23.9	21.8	18.7	17.6	17.6
60°	1076.1	904.9	394.3	57.1	35.3	27.0	21.8	18.7	16.6	14.5	14.5
62.5°	1064.7	891.4	348.7	49.8	32.2	24.9	19.7	15.6	13.5	12.5	12.5
65°	1054.3	848.8	295.7	44.6	30.1	21.8	16.6	13.5	11.4	10.4	10.4
67.5°	1004.5	792.8	220.0	38.4	27.0	19.7	14.5	12.5	10.4	9.3	8.3
70°	930.8	702.5	144.2	33.2	23.9	16.6	12.5	10.4	8.3	7.3	7.3
72.5°	805.2	580.1	74.7	27.0	19.7	14.5	11.4	9.3	7.3	6.2	6.2
75°	653.7	426.5	44.6	20.8	15.6	12.5	9.3	7.3	6.2	5.2	5.2
77.5°	452.4	235.6	32.2	15.6	10.4	9.3	7.3	6.2	5.2	4.2	4.2
80°	152.5	64.3	22.8	11.4	7.3	7.3	5.2	4.2	4.2	3.1	3.1
82.5°	60.2	39.4	15.6	8.3	6.2	5.2	4.2	3.1	3.1	3.1	3.1
85°	16.6	11.4	6.2	4.2	3.1	3.1	3.1	2.1	2.1	2.1	2.1
87.5°	1.0	2.1	2.1	2.1	2.1	2.1	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)