

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: P691118

Luminaire Tested: **CRTK2-C013-D-U-T2-7040-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691118
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-T2-7040-U0
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE II OPTIC AND U0 SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2907 lumens
Efficiency: N/A
Efficacy: 142.5 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

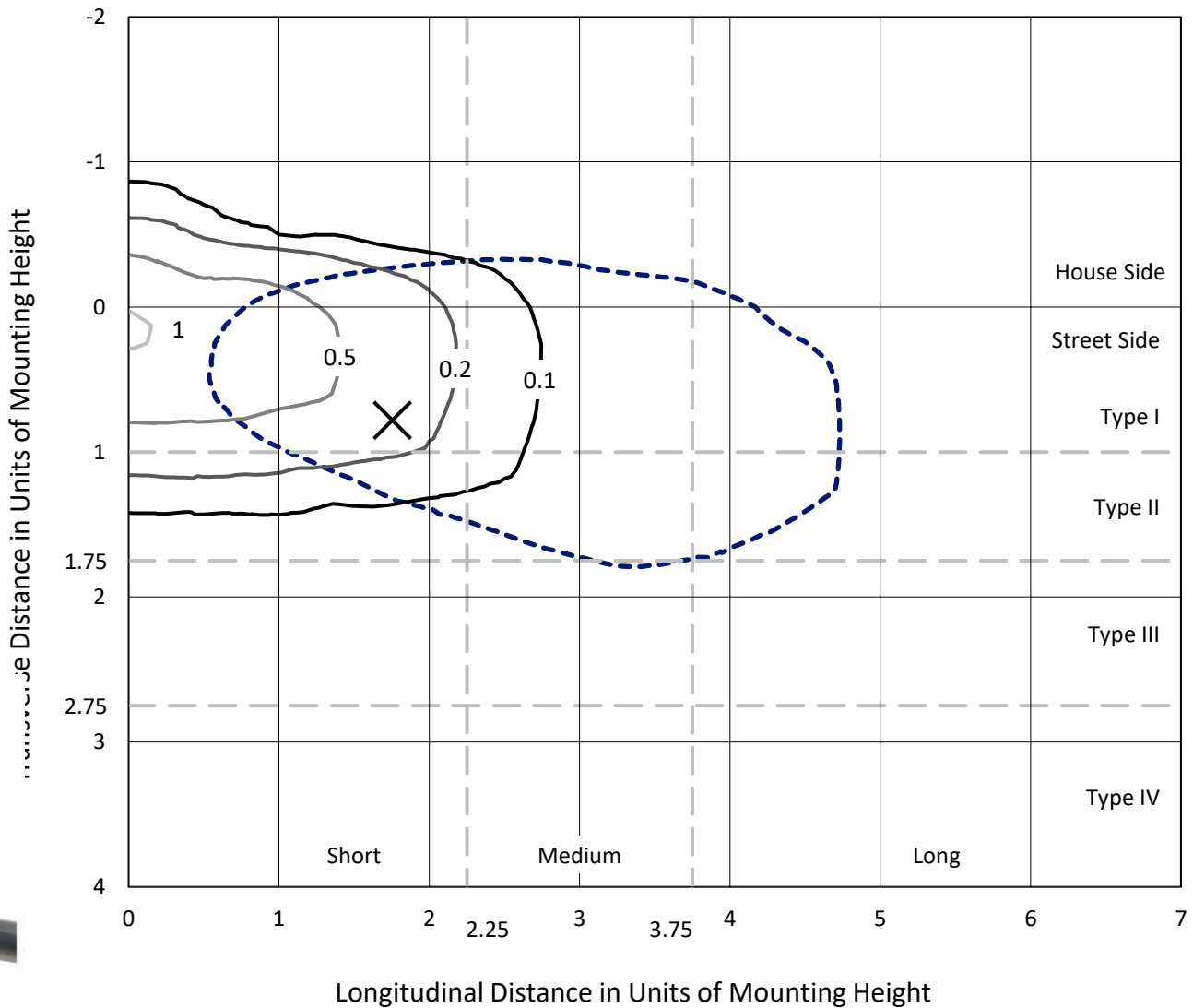
Input Watts (W): 20.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

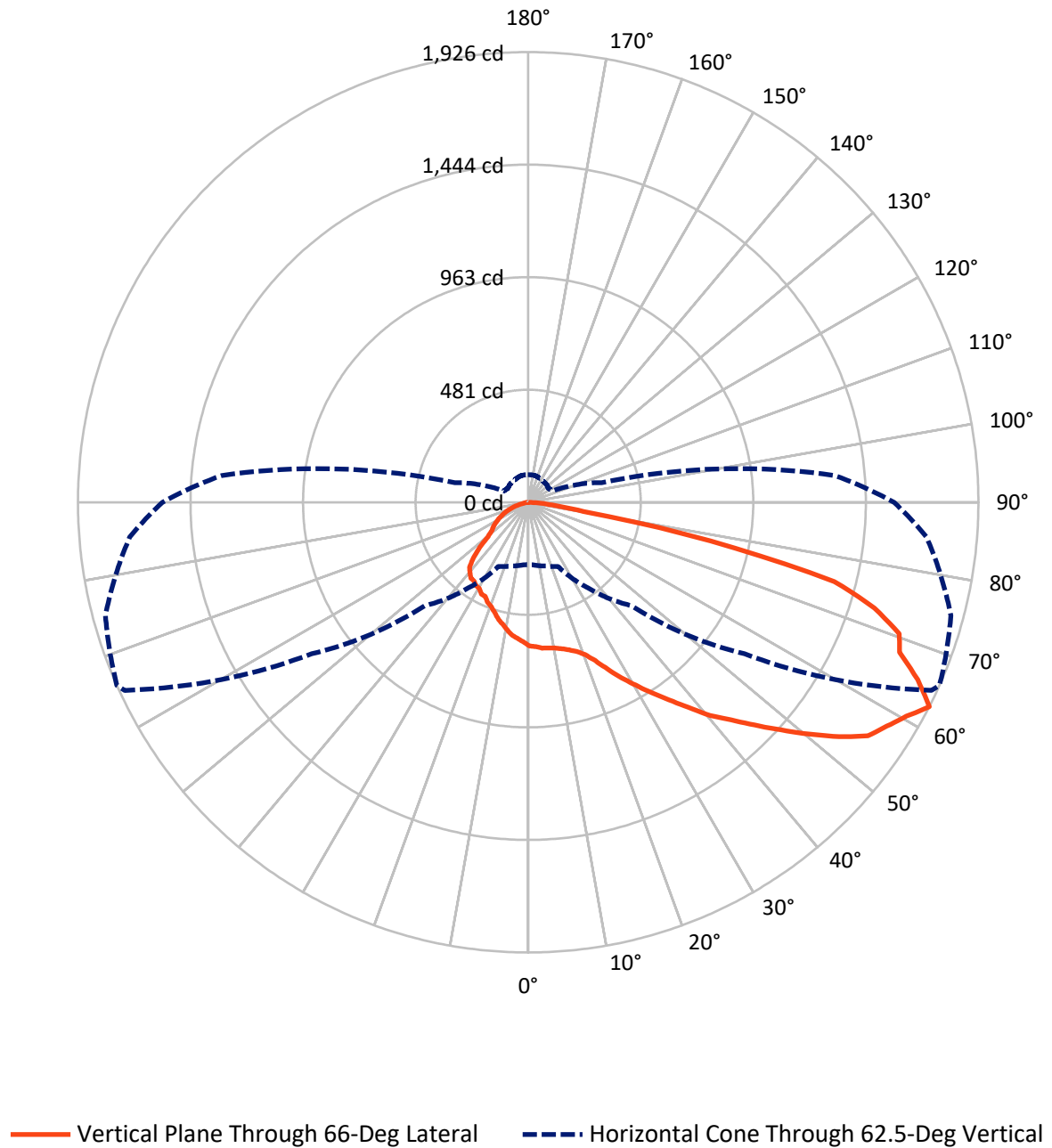
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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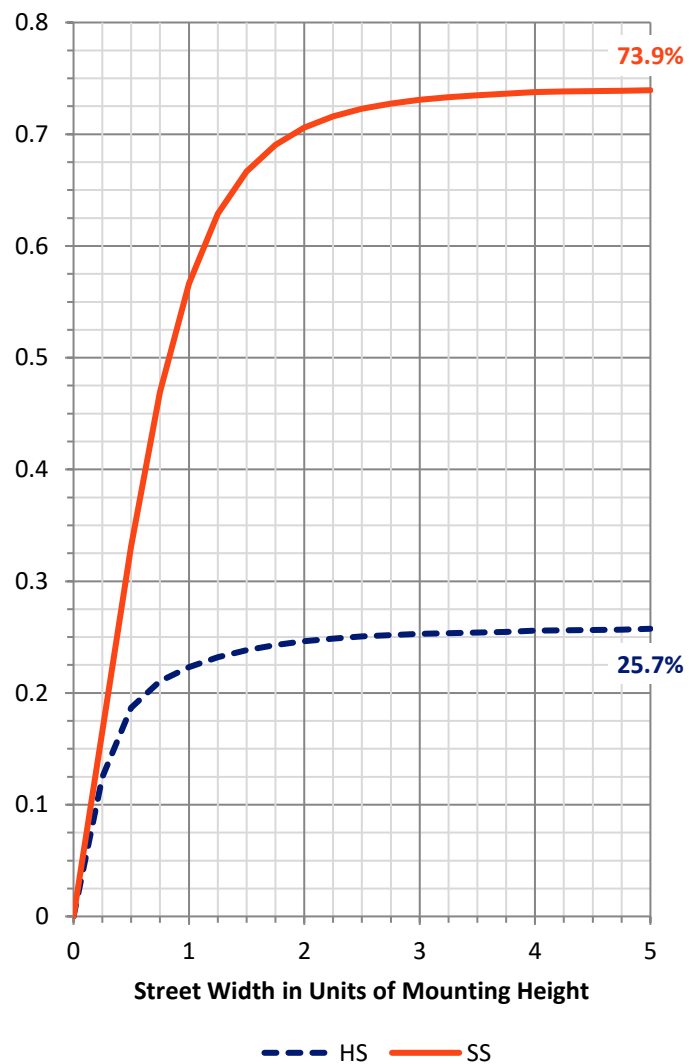
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	759.6	0.0	759.6
	% Fixture	26.1	0.0	26.1
Street Side	Lumens	2147.4	0.0	2147.4
	% Fixture	73.9	0.0	73.9
Total	Lumens	2907.0	0.0	2907.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.5	2.0
10°-20°	163.2	5.6
20°-30°	265.1	9.1
30°-40°	382.3	13.2
40°-50°	497.3	17.1
50°-60°	577.6	19.9
60°-70°	571.5	19.7
70°-80°	354.0	12.2
80°-90°	38.4	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°	2907.0	100.0
0°-180°	2907.0	100.0

Coefficient of Utilization



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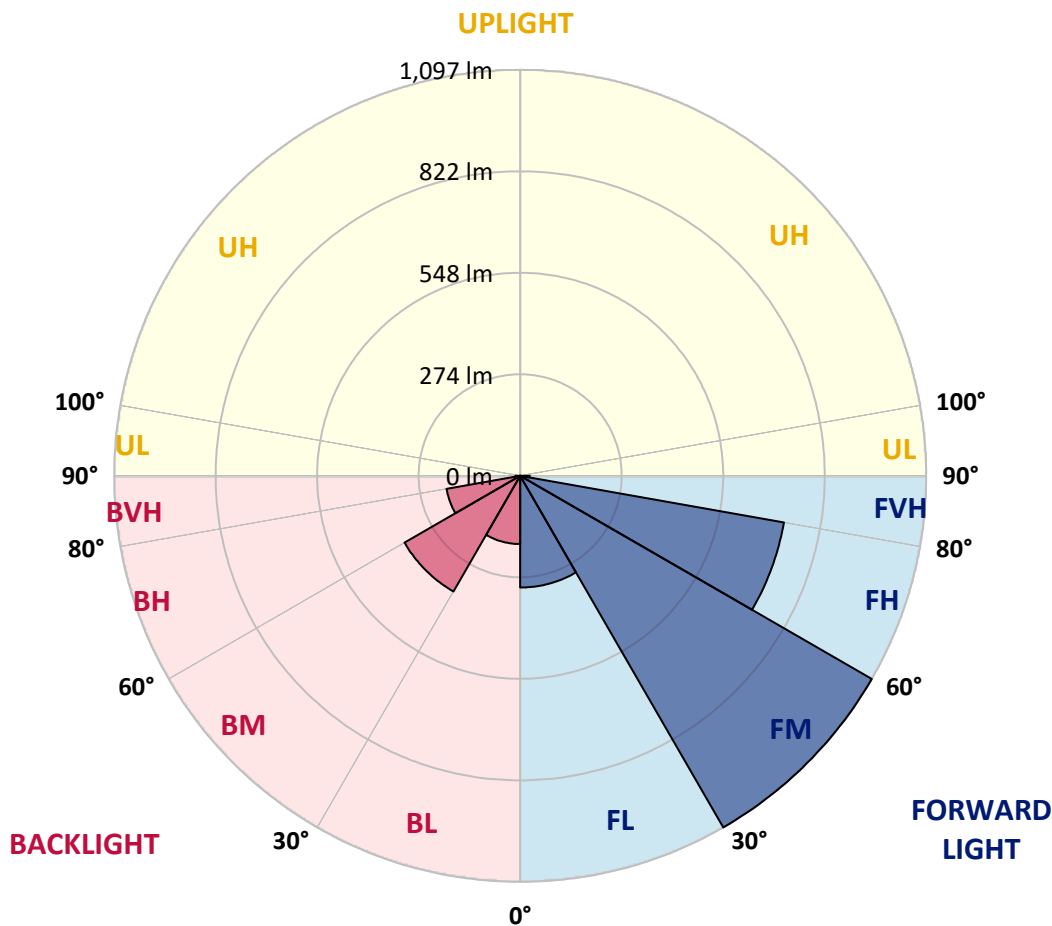
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	301.6	10.4			
FM	(30°-60°)	1096.6	37.7			
FH	(60°-80°)	723.5	24.9			G1/1800
FVH	(80°-90°)	25.8	0.9			G1/100
BL	(0°-30°)	184.3	6.3	B1/500		
BM	(30°-60°)	360.7	12.4	B1/1000		
BH	(60°-80°)	202.0	6.9	B1/500		G1/500
BVH	(80°-90°)	12.7	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°	614.9	614.9	614.9	614.9	614.9	614.9	614.9	614.9	614.9	614.9	614.9
2.5°	636.9	636.9	638.9	631.9	627.9	624.9	621.9	618.9	617.9	614.9	610.9
5°	664.9	664.9	665.9	658.9	650.9	641.9	632.9	626.9	626.9	619.9	609.9
7.5°	679.9	679.9	679.9	671.9	666.9	660.9	646.9	629.9	628.9	621.9	607.9
10°	679.9	679.9	683.9	671.9	667.9	661.9	653.9	635.9	633.9	617.9	598.9
12.5°	691.9	693.9	691.9	678.9	674.9	669.9	658.9	643.9	642.9	621.9	594.9
15°	708.9	709.9	706.9	697.9	693.9	685.9	672.9	656.9	654.9	629.9	597.9
17.5°	712.9	713.9	715.9	704.9	704.9	701.9	694.9	675.9	670.9	648.9	606.9
20°	710.9	711.9	714.9	712.9	713.9	711.9	716.9	700.9	694.9	670.9	620.9
22.5°	719.9	721.9	727.9	728.9	732.9	736.9	738.9	739.9	735.9	707.9	649.9
25°	722.9	728.9	736.9	747.9	761.9	769.9	780.9	791.9	790.9	762.9	697.9
27.5°	708.9	715.9	740.9	757.9	788.9	810.9	835.9	850.9	850.9	827.9	752.9
30°	721.9	724.9	737.9	761.9	797.9	847.9	886.9	905.9	907.9	892.9	806.9
32.5°	694.9	701.9	733.9	779.9	834.9	889.9	928.9	969.8	971.8	966.8	885.9
35°	691.9	695.9	713.9	762.9	833.9	928.9	980.8	1032.8	1037.8	1043.8	962.8
37.5°	660.9	668.9	703.9	764.9	861.9	954.8	1024.8	1104.8	1112.8	1131.8	1028.8
40°	627.9	633.9	662.9	728.9	852.9	987.8	1067.8	1189.8	1199.8	1215.8	1119.8
42.5°	582.9	594.9	644.9	713.9	848.9	997.8	1115.8	1267.8	1271.8	1299.8	1191.8
45°	540.9	544.9	582.9	661.9	813.9	1012.8	1151.8	1355.8	1358.8	1376.8	1251.8
47.5°	506.9	511.9	550.9	617.9	781.9	1008.8	1187.8	1440.8	1454.8	1474.8	1324.8
50°	401.9	412.9	515.9	579.9	726.9	1001.8	1216.8	1542.8	1558.7	1577.7	1402.8
52.5°	346.9	351.9	403.9	541.9	672.9	971.8	1243.8	1646.7	1665.7	1655.7	1501.8
55°	322.9	325.9	349.9	466.9	624.9	914.9	1263.8	1743.7	1763.7	1715.7	1579.7
57.5°	306.0	310.0	323.9	381.9	570.9	814.9	1265.8	1800.7	1807.7	1765.7	1611.7
60°	283.0	286.0	306.0	333.9	507.9	709.9	1229.8	1825.7	1858.7	1818.7	1683.7
62.5°	266.0	269.0	282.0	303.0	446.9	625.9	1129.8	1903.7	1925.7	1871.7	1710.7
65°	246.0	246.0	259.0	280.0	407.9	574.9	1077.8	1878.7	1830.7	1856.7	1743.7
67.5°	217.0	219.0	232.0	249.0	341.9	525.9	949.8	1762.7	1712.7	1784.7	1656.7
70°	193.0	191.0	205.0	218.0	280.0	463.9	786.9	1642.7	1683.7	1675.7	1576.7
72.5°	161.0	159.0	171.0	185.0	226.0	384.9	621.9	1524.8	1548.8	1498.8	1398.8
75°	125.0	113.0	130.0	148.0	178.0	305.0	440.9	1262.8	1352.8	1412.8	1192.8
77.5°	20.0	20.0	25.0	35.0	58.0	155.0	197.0	693.9	795.9	1202.8	1045.8
80°	16.0	16.0	18.0	24.0	35.0	85.0	66.0	215.0	240.0	518.9	601.9
82.5°	9.0	9.0	13.0	16.0	22.0	26.0	29.0	105.0	117.0	184.0	233.0
85°	5.0	5.0	7.0	8.0	9.0	9.0	9.0	48.0	54.0	98.0	106.0
87.5°	3.0	3.0	3.0	3.0	3.0	2.0	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°	614.9	614.9	614.9	614.9	614.9	614.9	614.9	614.9	614.9	614.9	614.9
2.5°	608.9	605.9	600.9	596.9	593.9	590.9	585.9	582.9	582.9	587.9	588.9
5°	603.9	596.9	587.9	583.9	578.9	573.9	565.9	561.9	560.9	563.9	565.9
7.5°	599.9	589.9	580.9	570.9	555.9	542.9	535.9	530.9	532.9	537.9	535.9
10°	587.9	578.9	564.9	549.9	531.9	520.9	509.9	503.9	504.9	507.9	504.9
12.5°	582.9	570.9	547.9	529.9	513.9	492.9	478.9	469.9	469.9	474.9	474.9
15°	582.9	564.9	533.9	511.9	486.9	465.9	449.9	441.9	446.9	443.9	441.9
17.5°	587.9	559.9	524.9	487.9	457.9	436.9	417.9	406.9	409.9	411.9	409.9
20°	593.9	559.9	513.9	468.9	433.9	403.9	382.9	370.9	369.9	370.9	372.9
22.5°	613.9	572.9	506.9	456.9	403.9	374.9	353.9	332.9	331.9	330.9	332.9
25°	647.9	596.9	511.9	434.9	386.9	343.9	317.9	300.0	294.0	293.0	295.0
27.5°	703.9	638.9	519.9	431.9	355.9	316.9	285.0	265.0	259.0	261.0	260.0
30°	764.9	692.9	542.9	410.9	337.9	277.0	247.0	230.0	224.0	220.0	221.0
32.5°	809.9	746.9	571.9	403.9	303.0	234.0	212.0	202.0	195.0	190.0	189.0
35°	880.9	792.9	597.9	387.9	272.0	206.0	188.0	177.0	173.0	170.0	170.0
37.5°	948.8	848.9	623.9	382.9	232.0	187.0	165.0	158.0	156.0	154.0	154.0
40°	1016.8	905.9	638.9	362.9	200.0	164.0	143.0	142.0	145.0	143.0	144.0
42.5°	1100.8	964.8	653.9	343.9	177.0	140.0	128.0	136.0	142.0	143.0	143.0
45°	1158.8	1004.8	659.9	298.0	153.0	122.0	125.0	134.0	141.0	144.0	143.0
47.5°	1211.8	1058.8	650.9	242.0	133.0	119.0	124.0	130.0	140.0	144.0	144.0
50°	1263.8	1103.8	642.9	179.0	126.0	120.0	124.0	127.0	138.0	142.0	142.0
52.5°	1336.8	1139.8	615.9	150.0	120.0	121.0	127.0	126.0	135.0	141.0	143.0
55°	1437.8	1223.8	563.9	142.0	119.0	120.0	127.0	127.0	133.0	138.0	141.0
57.5°	1482.8	1259.8	475.9	134.0	116.0	119.0	124.0	125.0	132.0	135.0	134.0
60°	1533.8	1304.8	389.9	125.0	111.0	117.0	119.0	123.0	128.0	128.0	127.0
62.5°	1564.7	1315.8	324.9	115.0	105.0	110.0	110.0	114.0	118.0	118.0	118.0
65°	1579.7	1304.8	243.0	106.0	98.0	102.0	101.0	103.0	106.0	101.0	101.0
67.5°	1520.8	1263.8	168.0	94.0	90.0	94.0	93.0	94.0	93.0	89.0	90.0
70°	1419.8	1148.8	116.0	80.0	79.0	86.0	87.0	85.0	79.0	76.0	76.0
72.5°	1292.8	921.9	80.0	64.0	67.0	76.0	78.0	74.0	68.0	65.0	65.0
75°	1172.8	796.9	57.0	44.0	45.0	58.0	62.0	62.0	60.0	80.0	85.0
77.5°	815.9	515.9	33.0	23.0	22.0	33.0	38.0	39.0	75.0	81.0	79.0
80°	483.9	243.0	24.0	14.0	14.0	19.0	26.0	51.0	86.0	58.0	52.0
82.5°	185.0	93.0	15.0	9.0	8.0	10.0	15.0	79.0	50.0	33.0	30.0
85°	67.0	23.0	7.0	5.0	5.0	6.0	9.0	67.0	35.0	25.0	24.0
87.5°	1.0	1.0	2.0	2.0	2.0	1.0	1.0	2.0	2.0	2.0	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)