

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: P691318

Luminaire Tested: **CRTK2-C015-D-U-T2-8027-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691318
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-C015-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: 3742 lumens
Efficiency: N/A
Efficacy: 125.2 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

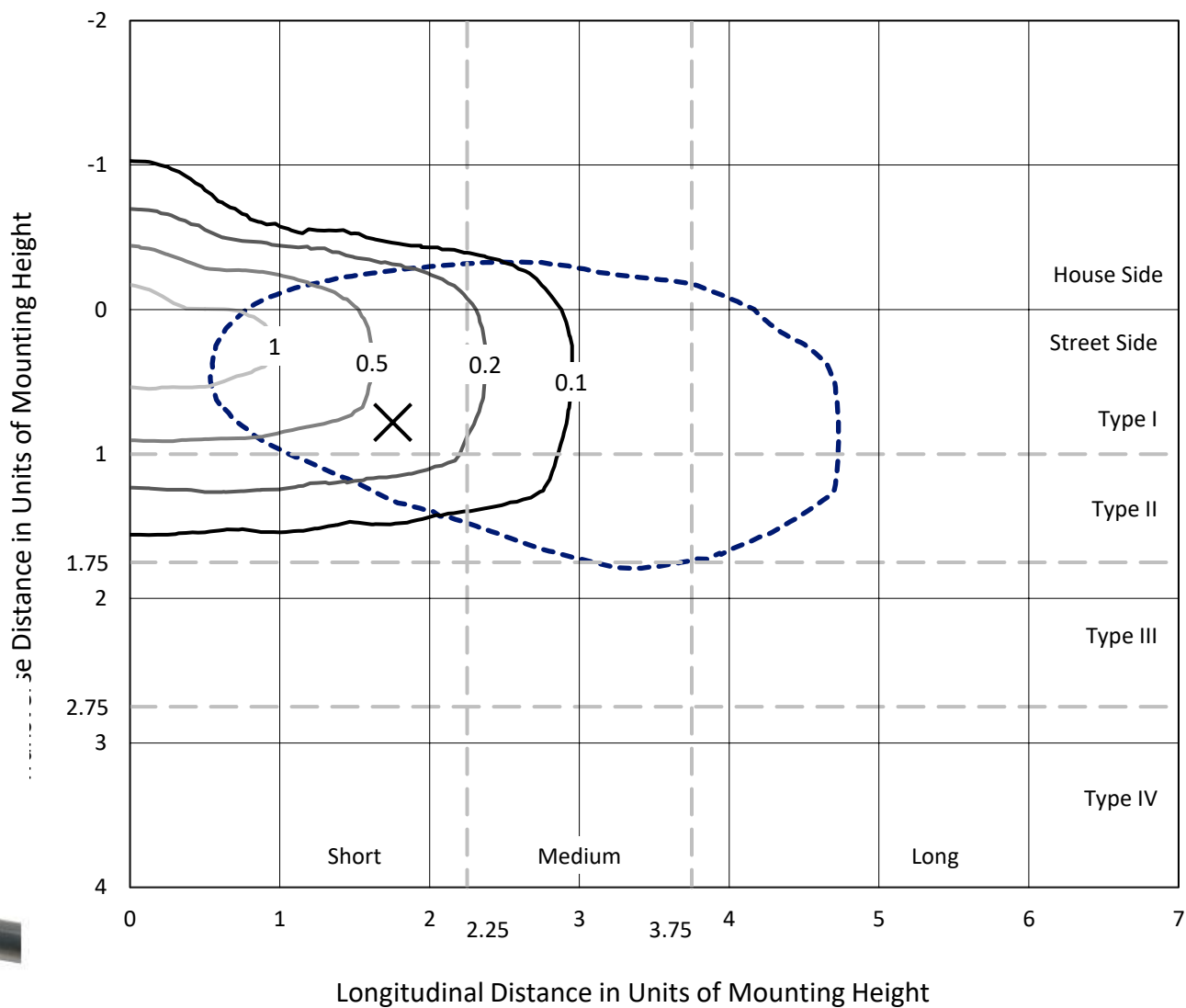
Input Watts (W): 29.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

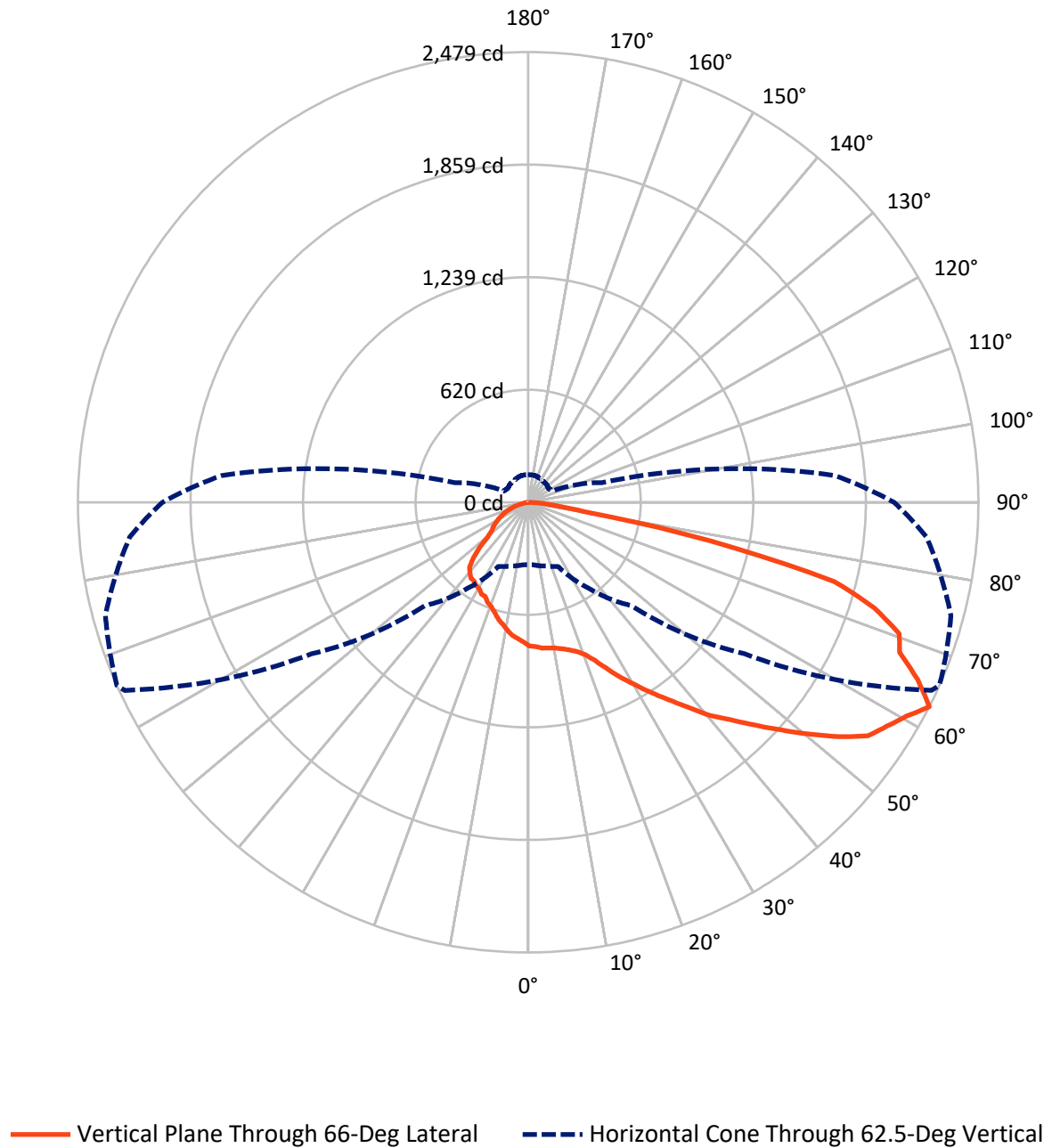
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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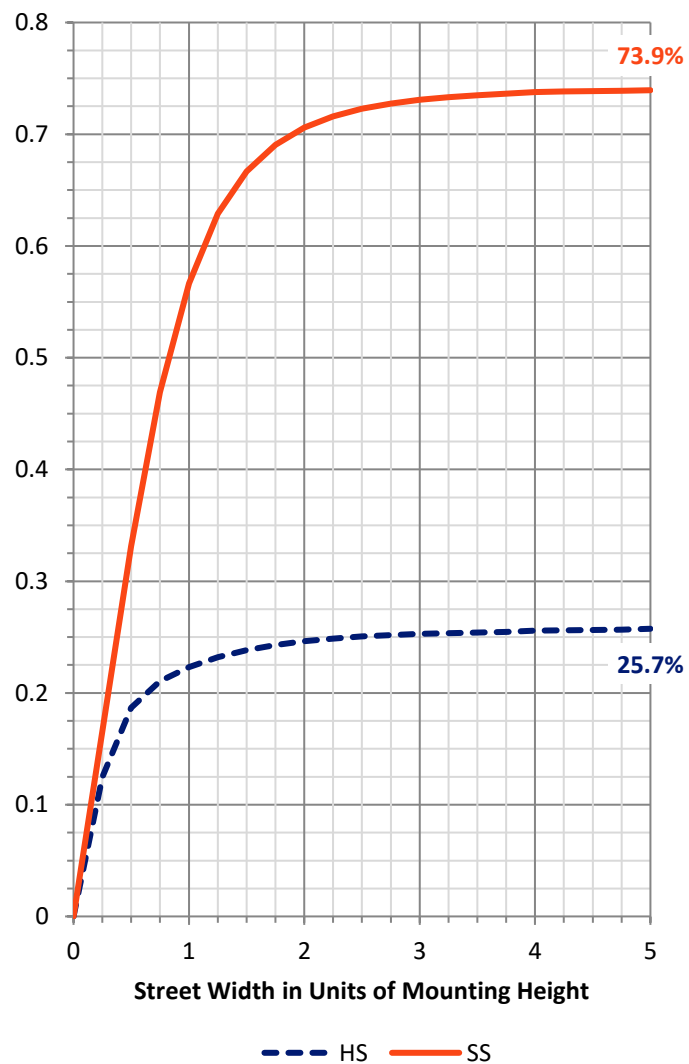
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	977.8	0.0	977.8
	% Fixture	26.1	0.0	26.1
Street Side	Lumens	2764.2	0.0	2764.2
	% Fixture	73.9	0.0	73.9
Total	Lumens	3742.0	0.0	3742.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.0	2.0
10°-20°	210.1	5.6
20°-30°	341.2	9.1
30°-40°	492.1	13.2
40°-50°	640.1	17.1
50°-60°	743.5	19.9
60°-70°	735.6	19.7
70°-80°	455.7	12.2
80°-90°	49.5	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°	3742.0	100.0
0°-180°	3742.0	100.0

Coefficient of Utilization



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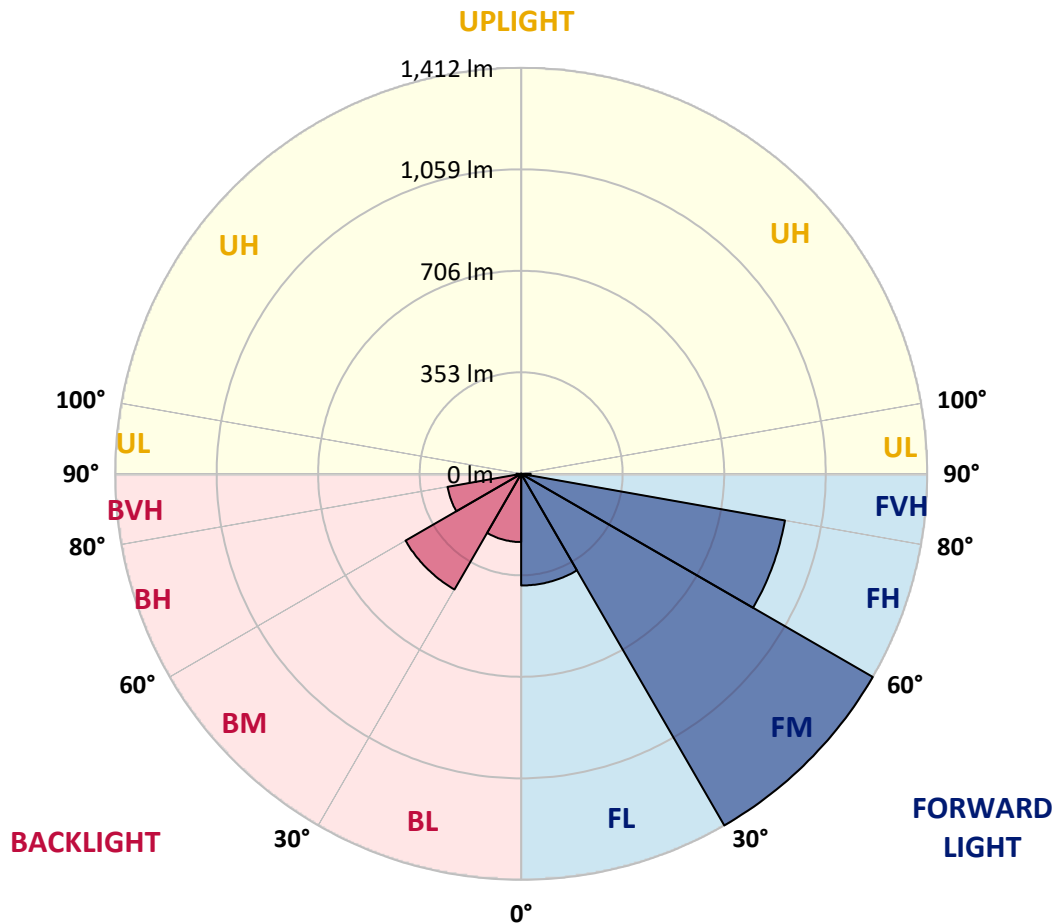
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	388.2	10.4			
FM	(30°-60°)	1411.5	37.7			
FH	(60°-80°)	931.3	24.9			G1/1800
FVH	(80°-90°)	33.2	0.9			G1/100
BL	(0°-30°)	237.2	6.3	B1/500		
BM	(30°-60°)	464.3	12.4	B1/1000		
BH	(60°-80°)	260.0	6.9	B1/500		G1/500
BVH	(80°-90°)	16.3	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°	791.5	791.5	791.5	791.5	791.5	791.5	791.5	791.5	791.5	791.5	791.5
2.5°	819.8	819.8	822.4	813.4	808.3	804.4	800.5	796.7	795.4	791.5	786.4
5°	855.9	855.9	857.2	848.2	837.9	826.3	814.7	807.0	807.0	798.0	785.1
7.5°	875.2	875.2	875.2	864.9	858.4	850.7	832.7	810.8	809.5	800.5	782.5
10°	875.2	875.2	880.3	864.9	859.7	852.0	841.7	818.6	816.0	795.4	770.9
12.5°	890.6	893.2	890.6	873.9	868.7	862.3	848.2	828.8	827.6	800.5	765.8
15°	912.5	913.8	909.9	898.3	893.2	882.9	866.2	845.6	843.0	810.8	769.6
17.5°	917.7	918.9	921.5	907.4	907.4	903.5	894.5	870.0	863.6	835.3	781.2
20°	915.1	916.4	920.2	917.7	918.9	916.4	922.8	902.2	894.5	863.6	799.2
22.5°	926.7	929.2	937.0	938.2	943.4	948.5	951.1	952.4	947.3	911.2	836.6
25°	930.5	938.2	948.5	962.7	980.7	991.0	1005.2	1019.3	1018.0	982.0	898.3
27.5°	912.5	921.5	953.7	975.6	1015.5	1043.8	1076.0	1095.3	1095.3	1065.7	969.1
30°	929.2	933.1	949.8	980.7	1027.1	1091.4	1141.6	1166.1	1168.6	1149.3	1038.6
32.5°	894.5	903.5	944.7	1003.9	1074.7	1145.5	1195.7	1248.4	1251.0	1244.6	1140.3
35°	890.6	895.8	918.9	982.0	1073.4	1195.7	1262.6	1329.5	1335.9	1343.7	1239.4
37.5°	850.7	861.0	906.1	984.6	1109.4	1229.1	1319.2	1422.2	1432.5	1456.9	1324.4
40°	808.3	816.0	853.3	938.2	1097.8	1271.6	1374.5	1531.6	1544.4	1565.0	1441.5
42.5°	750.3	765.8	830.1	918.9	1092.7	1284.5	1436.3	1632.0	1637.1	1673.1	1534.1
45°	696.3	701.4	750.3	852.0	1047.6	1303.8	1482.7	1745.2	1749.1	1772.2	1611.4
47.5°	652.5	659.0	709.2	795.4	1006.5	1298.6	1529.0	1854.6	1872.6	1898.4	1705.3
50°	517.4	531.5	664.1	746.5	935.7	1289.6	1566.3	1985.9	2006.5	2030.9	1805.7
52.5°	446.6	453.0	520.0	697.6	866.2	1251.0	1601.1	2119.7	2144.2	2131.3	1933.1
55°	415.7	419.6	450.5	601.0	804.4	1177.6	1626.8	2244.6	2270.3	2208.5	2033.5
57.5°	393.8	399.0	417.0	491.6	734.9	1048.9	1629.4	2317.9	2327.0	2272.9	2074.7
60°	364.2	368.1	393.8	429.9	653.8	913.8	1583.0	2350.1	2392.6	2341.1	2167.4
62.5°	342.4	346.2	362.9	390.0	575.3	805.7	1454.3	2450.5	2478.8	2409.3	2202.1
65°	316.6	316.6	333.3	360.4	525.1	740.0	1387.4	2418.3	2356.6	2390.0	2244.6
67.5°	279.3	281.9	298.6	320.5	440.2	677.0	1222.7	2269.0	2204.7	2297.4	2132.6
70°	248.4	245.8	263.8	280.6	360.4	597.2	1012.9	2114.6	2167.4	2157.1	2029.6
72.5°	207.2	204.6	220.1	238.1	290.9	495.5	800.5	1962.7	1993.6	1929.3	1800.6
75°	160.9	145.4	167.3	190.5	229.1	392.5	567.6	1625.5	1741.4	1818.6	1535.4
77.5°	25.7	25.7	32.2	45.0	74.6	199.5	253.5	893.2	1024.5	1548.3	1346.2
80°	20.6	20.6	23.2	30.9	45.0	109.4	84.9	276.7	308.9	668.0	774.8
82.5°	11.6	11.6	16.7	20.6	28.3	33.5	37.3	135.1	150.6	236.8	299.9
85°	6.4	6.4	9.0	10.3	11.6	11.6	11.6	61.8	69.5	126.1	136.4
87.5°	3.9	3.9	3.9	3.9	3.9	2.6	1.3	1.3	1.3	1.3	1.3
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°	791.5	791.5	791.5	791.5	791.5	791.5	791.5	791.5	791.5	791.5	791.5
2.5°	783.8	779.9	773.5	768.4	764.5	760.6	754.2	750.3	750.3	756.8	758.1
5°	777.4	768.4	756.8	751.6	745.2	738.8	728.5	723.3	722.0	725.9	728.5
7.5°	772.2	759.3	747.8	734.9	715.6	698.9	689.8	683.4	686.0	692.4	689.8
10°	756.8	745.2	727.2	707.9	684.7	670.5	656.4	648.7	650.0	653.8	650.0
12.5°	750.3	734.9	705.3	682.1	661.5	634.5	616.5	604.9	604.9	611.3	611.3
15°	750.3	727.2	687.3	659.0	626.8	599.8	579.2	568.9	575.3	571.4	568.9
17.5°	756.8	720.7	675.7	628.1	589.5	562.4	538.0	523.8	527.7	530.3	527.7
20°	764.5	720.7	661.5	603.6	558.6	520.0	492.9	477.5	476.2	477.5	480.1
22.5°	790.2	737.5	652.5	588.2	520.0	482.6	455.6	428.6	427.3	426.0	428.6
25°	834.0	768.4	659.0	559.9	498.1	442.7	409.3	386.1	378.4	377.1	379.7
27.5°	906.1	822.4	669.3	556.0	458.2	408.0	366.8	341.1	333.3	335.9	334.6
30°	984.6	891.9	698.9	529.0	435.0	356.5	317.9	296.0	288.3	283.1	284.4
32.5°	1042.5	961.4	736.2	520.0	390.0	301.2	272.9	260.0	251.0	244.5	243.2
35°	1133.9	1020.6	769.6	499.4	350.1	265.1	242.0	227.8	222.7	218.8	218.8
37.5°	1221.4	1092.7	803.1	492.9	298.6	240.7	212.4	203.4	200.8	198.2	198.2
40°	1308.9	1166.1	822.4	467.2	257.4	211.1	184.0	182.8	186.6	184.0	185.3
42.5°	1417.0	1242.0	841.7	442.7	227.8	180.2	164.7	175.0	182.8	184.0	184.0
45°	1491.7	1293.5	849.4	383.5	196.9	157.0	160.9	172.5	181.5	185.3	184.0
47.5°	1559.9	1363.0	837.9	311.5	171.2	153.2	159.6	167.3	180.2	185.3	185.3
50°	1626.8	1420.9	827.6	230.4	162.2	154.4	159.6	163.5	177.6	182.8	182.8
52.5°	1720.8	1467.2	792.8	193.1	154.4	155.7	163.5	162.2	173.7	181.5	184.0
55°	1850.8	1575.3	725.9	182.8	153.2	154.4	163.5	163.5	171.2	177.6	181.5
57.5°	1908.7	1621.7	612.6	172.5	149.3	153.2	159.6	160.9	169.9	173.7	172.5
60°	1974.3	1679.6	501.9	160.9	142.9	150.6	153.2	158.3	164.7	164.7	163.5
62.5°	2014.2	1693.7	418.3	148.0	135.1	141.6	141.6	146.7	151.9	151.9	151.9
65°	2033.5	1679.6	312.7	136.4	126.1	131.3	130.0	132.6	136.4	130.0	130.0
67.5°	1957.6	1626.8	216.2	121.0	115.8	121.0	119.7	121.0	119.7	114.5	115.8
70°	1827.6	1478.8	149.3	103.0	101.7	110.7	112.0	109.4	101.7	97.8	97.8
72.5°	1664.1	1186.6	103.0	82.4	86.2	97.8	100.4	95.2	87.5	83.7	83.7
75°	1509.7	1025.8	73.4	56.6	57.9	74.6	79.8	79.8	77.2	103.0	109.4
77.5°	1050.2	664.1	42.5	29.6	28.3	42.5	48.9	50.2	96.5	104.2	101.7
80°	622.9	312.7	30.9	18.0	18.0	24.5	33.5	65.6	110.7	74.6	66.9
82.5°	238.1	119.7	19.3	11.6	10.3	12.9	19.3	101.7	64.4	42.5	38.6
85°	86.2	29.6	9.0	6.4	6.4	7.7	11.6	86.2	45.0	32.2	30.9
87.5°	1.3	1.3	2.6	2.6	2.6	1.3	1.3	2.6	2.6	2.6	1.3
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)