

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: McGRAW-EDISON

Report Number: P887793

Luminaire Tested: **TT-D4-735-U-DL-TC**

Issue Date: 10/9/2024

Test Information

Test Method: LM-79-08
Report Number: P887793
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-238-4)
Test Lab: INNOVATION CENTER
Issue Date: 10/9/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-D4-735-U-DL-TC
Description: DL
3500K, 70 CRI LEDS, DRIVE LANE DISTRIBUTION AND TOTALCOMFORT ACCESSORY
Light Source:
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5179 lumens
Efficiency: N/A
Efficacy: 86.6 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 59.8
Input Voltage (V): 120.0
Input Current (Ain): 0.5
Voltage Rise (V): NR
Power Factor: 0.994
Total Harmonic Distortion (THDi): 10.3%
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT



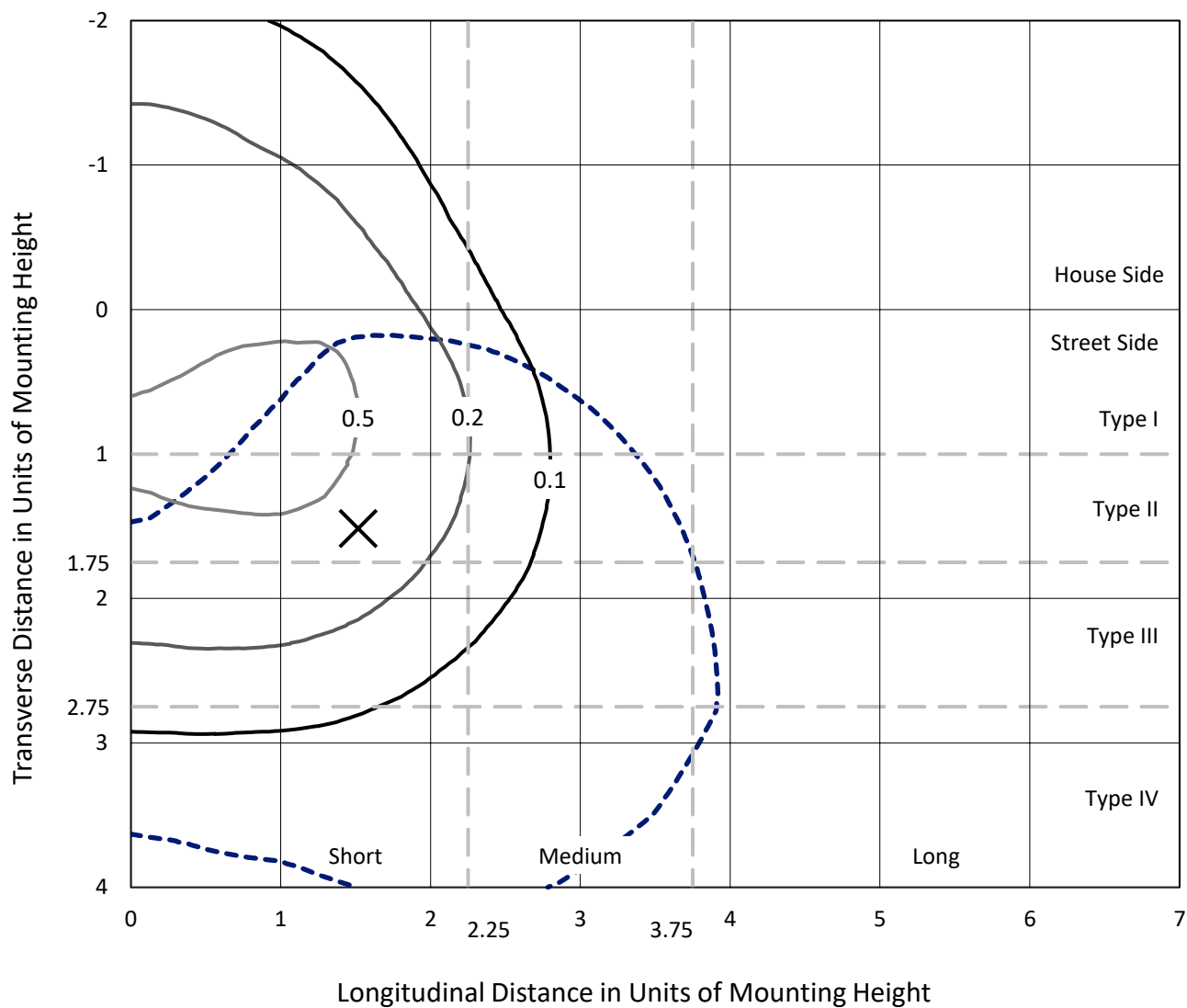
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

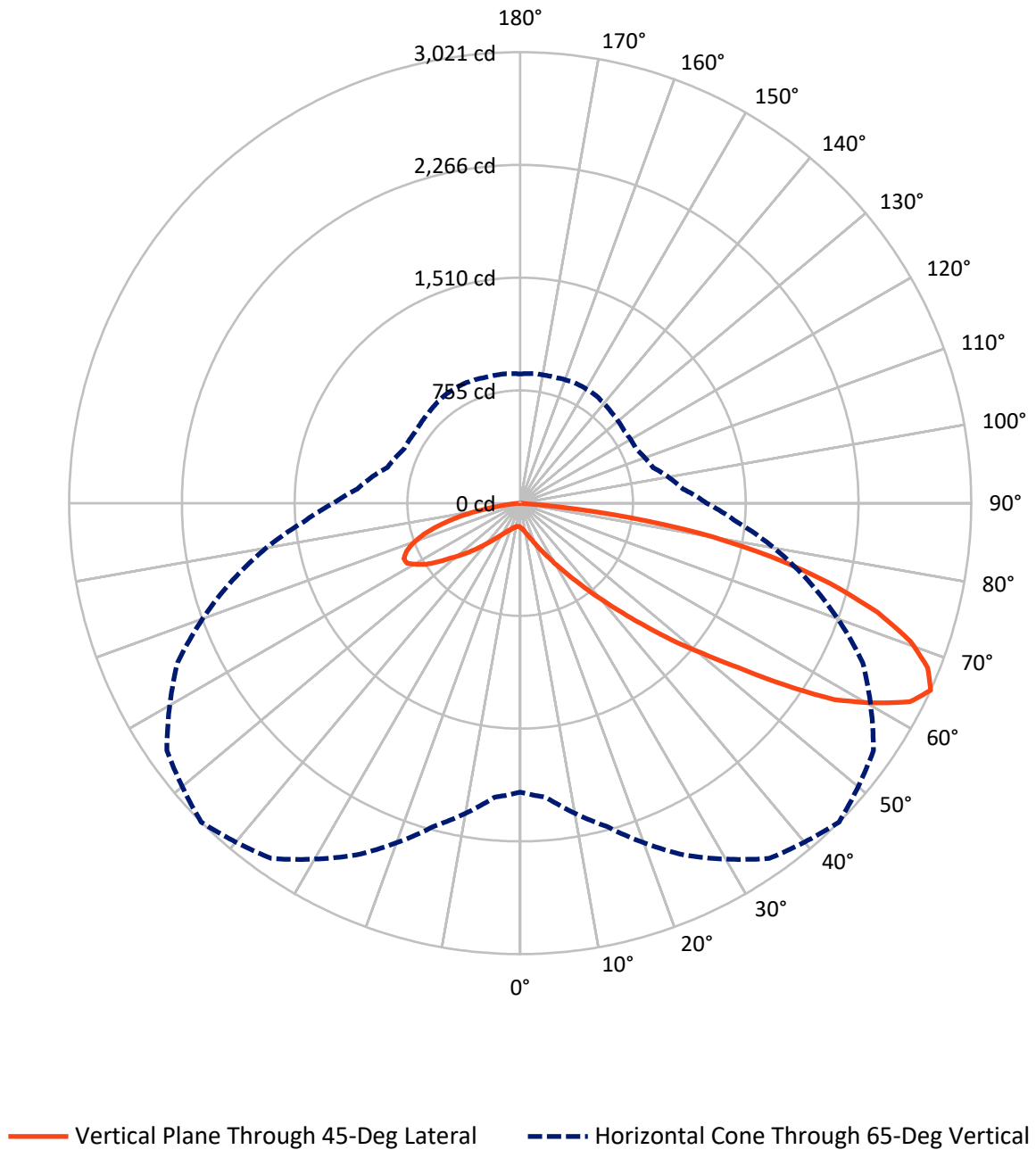
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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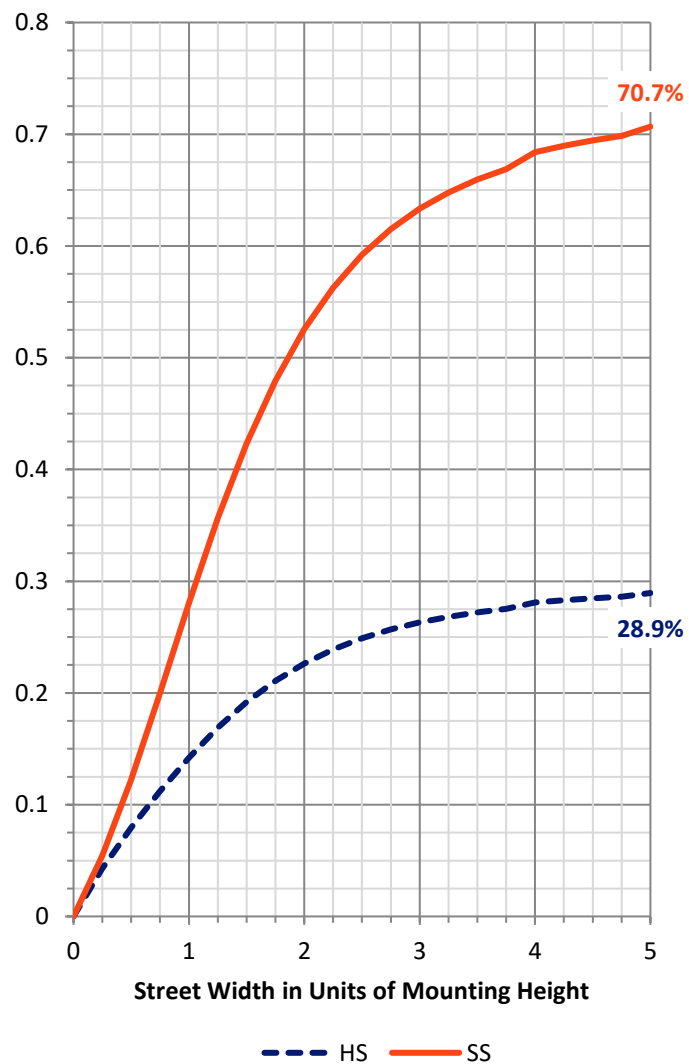
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1500.8	0.0	1500.8
	% Fixture	29.0	0.0	29.0
Street Side	Lumens	3678.2	0.0	3678.2
	% Fixture	71.0	0.0	71.0
Total	Lumens	5179.0	0.0	5179.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.4	0.3
10°-20°	59.2	1.1
20°-30°	135.1	2.6
30°-40°	286.4	5.5
40°-50°	594.3	11.5
50°-60°	1141.8	22.0
60°-70°	1583.3	30.6
70°-80°	1192.0	23.0
80°-90°	170.6	3.3
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°	5179.0	100.0
0°-180°	5179.0	100.0

Coefficient of Utilization



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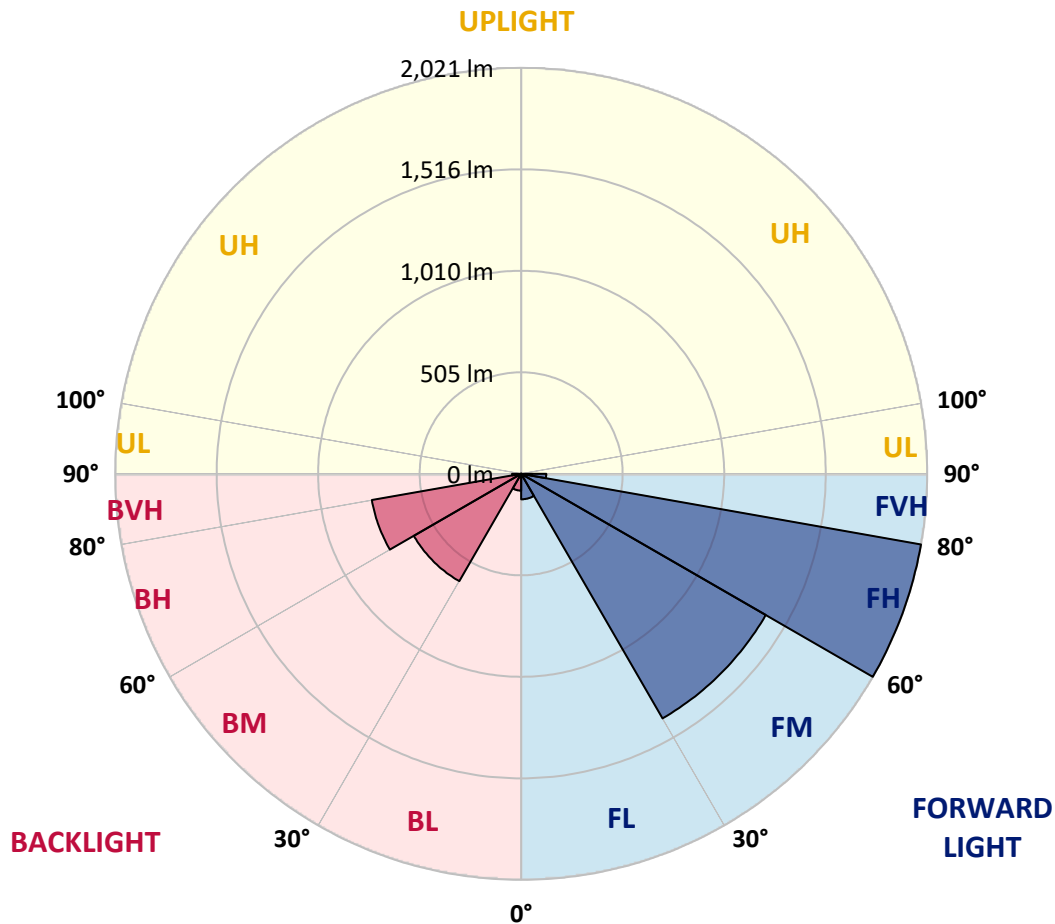
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	126.9	2.5			
FM	(30°-60°)	1405.5	27.1			
FH	(60°-80°)	2020.8	39.0			G2/5000
FVH	(80°-90°)	124.9	2.4			G2/225
BL	(0°-30°)	83.7	1.6	B0/110		
BM	(30°-60°)	616.9	11.9	B1/1000		
BH	(60°-80°)	754.5	14.6	B2/1000		G2/1000
BVH	(80°-90°)	45.7	0.9			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	161.2	161.2	161.2	161.2	161.2	161.2	161.2	161.2	161.2	161.2	161.2
2.5°	171.2	171.2	170.1	170.1	169.0	167.9	167.9	166.8	164.5	163.4	163.4
5°	181.3	181.3	180.2	180.2	178.0	175.7	174.6	173.5	171.2	167.9	166.8
7.5°	193.6	193.6	193.6	192.5	189.2	186.9	184.7	181.3	178.0	174.6	172.4
10°	210.4	209.3	209.3	207.1	203.7	200.3	197.0	193.6	188.0	182.4	180.2
12.5°	229.4	228.3	227.2	226.1	221.6	217.1	212.7	208.2	200.3	193.6	189.2
15°	250.7	249.6	248.5	247.4	242.9	237.3	231.7	225.0	214.9	205.9	201.5
17.5°	278.7	277.6	276.5	275.3	268.6	263.0	255.2	245.1	232.8	220.5	214.9
20°	306.7	306.7	306.7	304.4	300.0	293.2	284.3	270.9	256.3	238.4	230.6
22.5°	340.3	340.3	342.5	340.3	335.8	327.9	317.9	302.2	280.9	259.7	248.5
25°	379.4	379.4	382.8	382.8	378.3	369.4	357.0	336.9	310.0	285.4	270.9
27.5°	425.3	424.2	430.9	432.0	427.6	418.6	404.1	380.5	343.6	313.4	296.6
30°	479.0	476.8	485.8	489.1	486.9	480.2	461.1	433.2	389.5	348.1	326.8
32.5°	531.6	538.4	547.3	555.2	555.2	550.7	529.4	495.8	442.1	387.3	363.8
35°	598.8	605.5	624.5	632.4	635.7	635.7	613.4	575.3	509.3	443.2	410.8
37.5°	674.9	682.7	707.4	721.9	733.1	738.7	719.7	668.2	585.4	498.1	463.4
40°	761.1	771.2	802.5	826.0	849.5	859.6	841.7	776.8	672.7	566.3	522.7
42.5°	857.4	868.5	910.0	946.9	984.9	1002.9	981.6	906.6	780.1	646.9	594.3
45°	963.7	977.1	1033.1	1086.8	1138.3	1171.9	1151.7	1068.9	915.6	749.9	685.0
47.5°	1081.2	1096.9	1168.5	1242.4	1317.4	1372.2	1345.4	1255.8	1080.1	879.7	798.0
50°	1205.4	1225.6	1316.3	1408.0	1515.5	1580.4	1561.4	1469.6	1254.7	1017.4	917.8
52.5°	1331.9	1348.7	1470.7	1593.8	1724.8	1827.8	1838.9	1756.1	1530.0	1243.5	1112.5
55°	1464.0	1486.4	1627.4	1779.6	1948.6	2149.0	2212.8	2094.1	1755.0	1375.6	1211.0
57.5°	1597.2	1617.3	1765.1	1971.0	2232.9	2482.5	2500.4	2267.6	1861.3	1437.1	1254.7
60°	1705.8	1728.1	1903.9	2183.7	2501.5	2716.4	2657.1	2363.9	1919.5	1465.1	1273.7
62.5°	1790.8	1819.9	2080.7	2409.8	2756.7	2930.2	2797.0	2451.2	1950.9	1464.0	1264.8
65°	1936.3	1977.7	2241.9	2601.2	2905.6	3020.9	2888.8	2532.9	1993.4	1458.4	1249.1
67.5°	2010.2	2038.2	2271.0	2603.4	2868.7	2943.7	2813.8	2462.4	1952.0	1420.3	1197.6
70°	1913.9	1955.3	2170.2	2499.3	2729.9	2773.5	2654.9	2303.4	1818.8	1301.7	1092.4
72.5°	1734.9	1766.2	1953.1	2278.8	2471.3	2502.7	2406.4	2066.2	1614.0	1130.5	936.8
75°	1462.9	1489.7	1631.9	1936.3	2109.8	2141.1	2061.7	1738.2	1347.6	925.6	760.0
77.5°	1115.9	1131.6	1241.3	1517.7	1685.6	1712.5	1640.8	1345.4	1032.0	691.7	561.9
80°	704.0	713.0	820.4	1049.9	1203.2	1218.9	1158.4	907.7	680.5	441.0	342.5
82.5°	288.8	286.5	343.6	539.5	658.1	630.1	649.2	417.5	311.2	190.3	142.1
85°	17.9	13.4	10.1	28.0	26.9	22.4	39.2	9.0	15.7	14.6	11.2
87.5°	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	161.2	161.2	161.2	161.2	161.2	161.2	161.2	161.2	161.2	161.2
2.5°	162.3	161.2	160.1	158.9	157.8	156.7	156.7	155.6	155.6	155.6
5°	165.7	162.3	161.2	157.8	155.6	154.5	154.5	153.3	153.3	153.3
7.5°	170.1	166.8	163.4	160.1	156.7	154.5	153.3	153.3	152.2	152.2
10°	176.8	172.4	167.9	163.4	160.1	157.8	155.6	154.5	154.5	154.5
12.5°	186.9	179.1	173.5	167.9	164.5	161.2	158.9	157.8	157.8	157.8
15°	197.0	188.0	181.3	174.6	170.1	165.7	164.5	163.4	163.4	163.4
17.5°	209.3	198.1	189.2	181.3	176.8	172.4	171.2	170.1	170.1	169.0
20°	223.9	210.4	199.2	190.3	185.8	181.3	179.1	179.1	178.0	178.0
22.5°	239.5	222.7	210.4	200.3	195.9	190.3	189.2	189.2	189.2	188.0
25°	259.7	237.3	223.9	212.7	207.1	202.6	201.5	202.6	202.6	201.5
27.5°	283.2	255.2	238.4	226.1	221.6	217.1	217.1	217.1	219.4	217.1
30°	310.0	278.7	256.3	242.9	238.4	233.9	235.0	237.3	238.4	237.3
32.5°	341.4	302.2	278.7	263.0	258.5	254.1	256.3	260.8	264.1	259.7
35°	382.8	334.7	305.6	288.8	284.3	280.9	284.3	288.8	292.1	289.9
37.5°	426.4	369.4	336.9	317.9	313.4	310.0	314.5	320.1	324.6	321.2
40°	477.9	408.5	371.6	352.6	350.3	344.7	350.3	357.0	362.6	359.3
42.5°	538.4	456.7	413.0	391.7	390.6	385.0	390.6	398.5	404.1	401.8
45°	615.6	514.9	463.4	437.6	437.6	429.8	436.5	444.3	453.3	446.6
47.5°	711.8	591.0	522.7	486.9	488.0	481.3	485.8	493.6	502.5	495.8
50°	820.4	672.7	589.9	546.2	541.7	533.9	541.7	547.3	555.2	552.9
52.5°	977.1	794.7	683.9	613.4	601.0	589.9	597.7	597.7	607.8	605.5
55°	1070.0	884.2	780.1	708.5	676.0	650.3	653.6	655.9	662.6	660.4
57.5°	1110.3	918.9	827.1	779.0	752.1	719.7	710.7	705.1	715.2	714.1
60°	1122.6	931.2	845.0	815.9	807.0	786.8	771.2	758.9	760.0	758.9
62.5°	1111.4	927.9	854.0	839.4	858.5	855.1	842.8	809.2	801.4	796.9
65°	1094.6	921.2	858.5	849.5	862.9	882.0	885.3	874.1	871.9	865.2
67.5°	1049.9	878.6	818.2	818.2	827.1	865.2	885.3	893.2	888.7	886.5
70°	953.6	803.6	757.7	760.0	766.7	820.4	850.6	864.1	847.3	849.5
72.5°	819.3	699.5	669.3	678.3	679.4	741.0	777.9	790.2	773.4	779.0
75°	661.5	571.9	556.3	573.1	571.9	627.9	662.6	677.2	662.6	674.9
77.5°	489.1	428.7	426.4	448.8	442.1	493.6	520.5	536.1	529.4	538.4
80°	307.8	278.7	286.5	311.2	295.5	341.4	361.5	373.8	362.6	375.0
82.5°	134.3	131.0	143.3	161.2	139.9	175.7	186.9	191.4	178.0	190.3
85°	9.0	10.1	11.2	14.6	5.6	13.4	20.1	15.7	13.4	12.3
87.5°	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)