

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: P887703

Luminaire Tested: **TT-D3-735-U-DL-TC**

Issue Date: 10/9/2024

Test Information

Test Method: LM-79-08
Report Number: P887703
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-D3-735-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: 4387 lumens
Efficiency: N/A
Efficacy: 89.9 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 48.8
Input Voltage (V): 120.0
Input Current (Ain): 0.41
Voltage Rise (V): NR
Power Factor: 0.989
Total Harmonic Distortion (THDi): 12.9%
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT

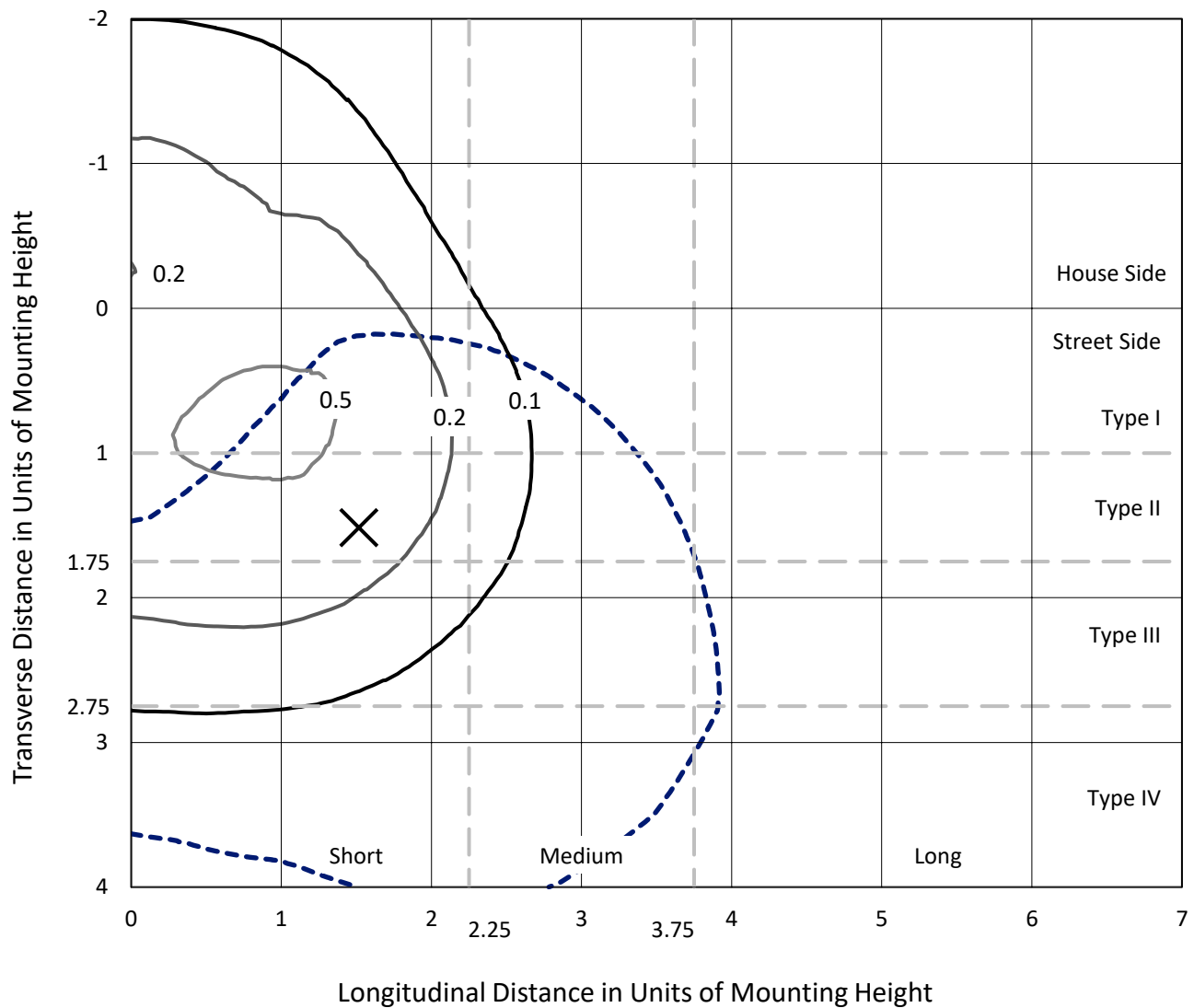


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Iso-Footcandle Lines of Horizontal Illumination

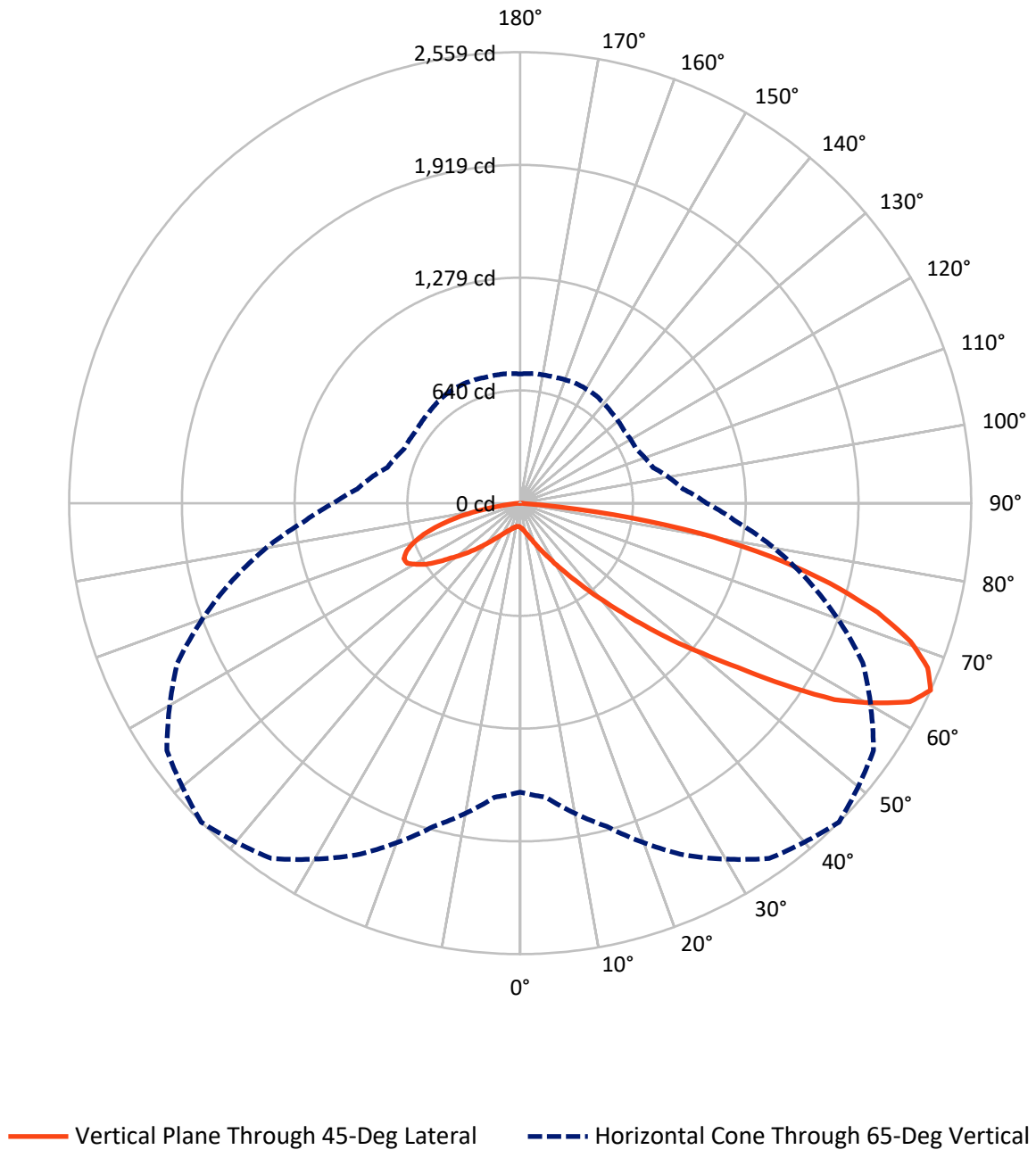
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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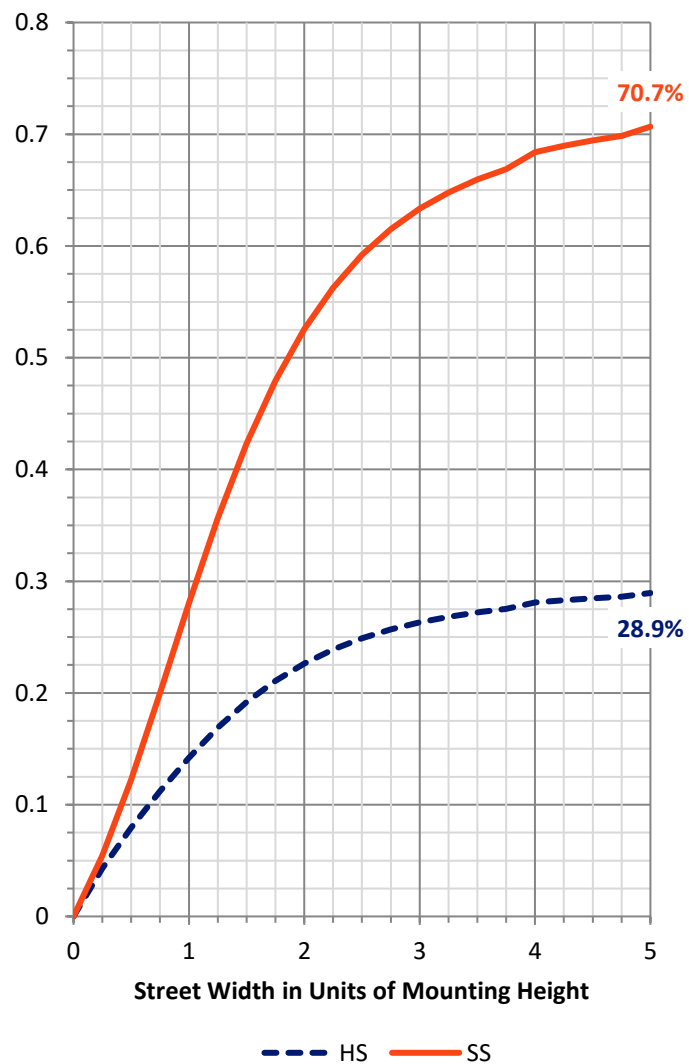
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1271.3	0.0	1271.3
	% Fixture	29.0	0.0	29.0
Street Side	Lumens	3115.7	0.0	3115.7
	% Fixture	71.0	0.0	71.0
Total	Lumens	4387.0	0.0	4387.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.9	0.3
10°-20°	50.2	1.1
20°-30°	114.4	2.6
30°-40°	242.6	5.5
40°-50°	503.4	11.5
50°-60°	967.2	22.0
60°-70°	1341.2	30.6
70°-80°	1009.7	23.0
80°-90°	144.5	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°	4387.0	100.0
0°-180°	4387.0	100.0

Coefficient of Utilization



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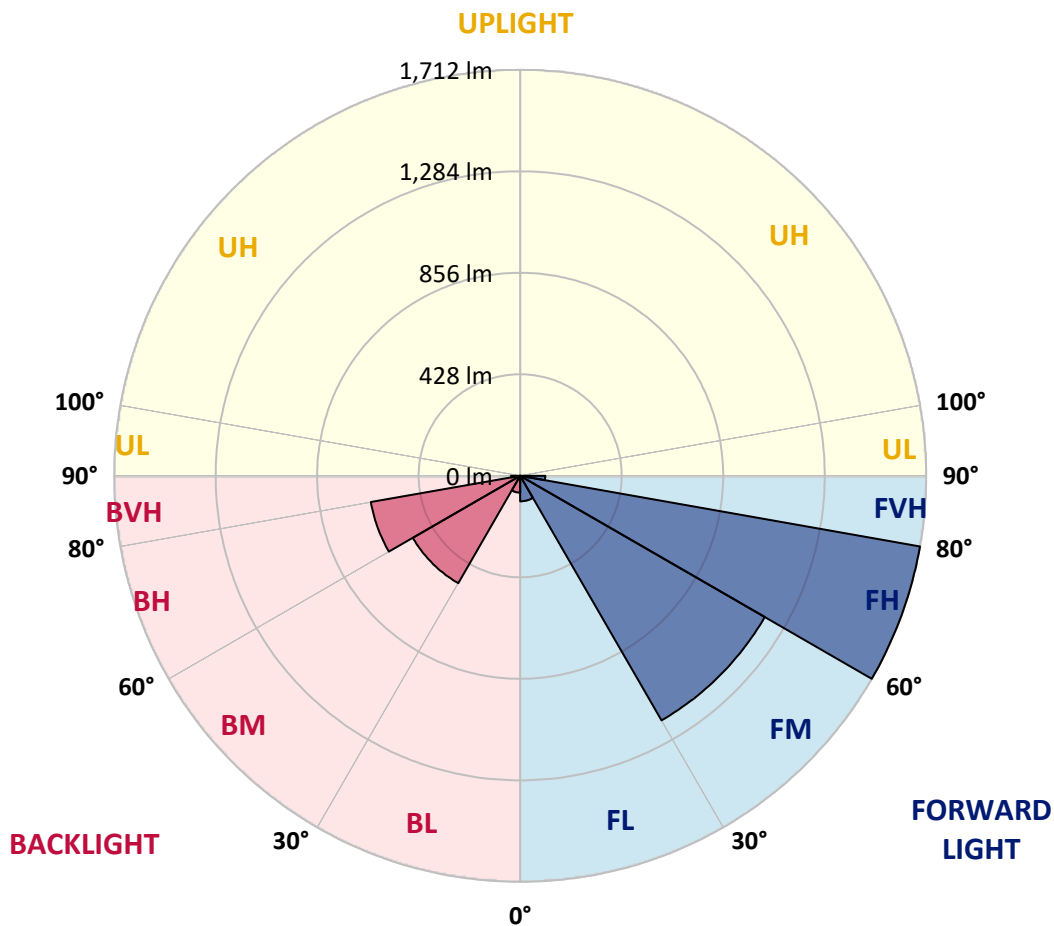
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	107.5	2.5			
FM	(30°-60°)	1190.6	27.1			
FH	(60°-80°)	1711.8	39.0			G1/1800
FVH	(80°-90°)	105.8	2.4			G2/225
BL	(0°-30°)	70.9	1.6	B0/110		
BM	(30°-60°)	522.6	11.9	B1/1000		
BH	(60°-80°)	639.1	14.6	B2/1000		G2/1000
BVH	(80°-90°)	38.7	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°	136.5	136.5	136.5	136.5	136.5	136.5	136.5	136.5	136.5	136.5	136.5
2.5°	145.1	145.1	144.1	144.1	143.2	142.2	142.2	141.3	139.4	138.4	138.4
5°	153.6	153.6	152.6	152.6	150.7	148.9	147.9	147.0	145.1	142.2	141.3
7.5°	164.0	164.0	164.0	163.1	160.2	158.3	156.4	153.6	150.7	147.9	146.0
10°	178.2	177.3	177.3	175.4	172.6	169.7	166.9	164.0	159.3	154.5	152.6
12.5°	194.4	193.4	192.5	191.5	187.7	183.9	180.1	176.3	169.7	164.0	160.2
15°	212.4	211.4	210.5	209.5	205.7	201.0	196.3	190.6	182.0	174.4	170.7
17.5°	236.1	235.1	234.2	233.2	227.5	222.8	216.2	207.6	197.2	186.8	182.0
20°	259.8	259.8	259.8	257.9	254.1	248.4	240.8	229.4	217.1	201.9	195.3
22.5°	288.2	288.2	290.1	288.2	284.4	277.8	269.3	256.0	238.0	220.0	210.5
25°	321.4	321.4	324.2	324.2	320.5	312.9	302.4	285.4	262.6	241.8	229.4
27.5°	360.3	359.3	365.0	366.0	362.2	354.6	342.3	322.4	291.1	265.5	251.2
30°	405.8	403.9	411.5	414.3	412.4	406.7	390.6	366.9	329.9	294.9	276.8
32.5°	450.3	456.0	463.6	470.3	470.3	466.5	448.4	420.0	374.5	328.0	308.1
35°	507.2	512.9	529.0	535.7	538.5	538.5	519.6	487.3	431.4	375.4	348.0
37.5°	571.7	578.3	599.2	611.5	621.0	625.7	609.6	566.0	495.9	421.9	392.5
40°	644.7	653.2	679.8	699.7	719.6	728.1	713.0	658.0	569.8	479.7	442.8
42.5°	726.2	735.7	770.8	802.1	834.3	849.5	831.5	768.0	660.8	548.0	503.4
45°	816.3	827.7	875.1	920.6	964.2	992.7	975.6	905.4	775.5	635.2	580.2
47.5°	915.9	929.1	989.8	1052.4	1115.9	1162.4	1139.6	1063.8	914.9	745.2	676.0
50°	1021.1	1038.2	1115.0	1192.7	1283.7	1338.7	1322.6	1244.9	1062.8	861.8	777.4
52.5°	1128.2	1142.5	1245.8	1350.1	1461.0	1548.2	1557.7	1487.6	1296.0	1053.3	942.4
55°	1240.1	1259.1	1378.5	1507.5	1650.6	1820.3	1874.4	1773.9	1486.6	1165.2	1025.8
57.5°	1352.9	1370.0	1495.1	1669.6	1891.5	2102.9	2118.0	1920.8	1576.7	1217.4	1062.8
60°	1444.9	1463.9	1612.7	1849.7	2119.0	2301.0	2250.8	2002.4	1626.0	1241.1	1078.9
62.5°	1517.0	1541.6	1762.5	2041.3	2335.2	2482.1	2369.3	2076.3	1652.5	1240.1	1071.3
65°	1640.2	1675.3	1899.0	2203.4	2461.3	2558.9	2447.0	2145.5	1688.6	1235.4	1058.1
67.5°	1702.8	1726.5	1923.7	2205.3	2430.0	2493.5	2383.5	2085.8	1653.5	1203.1	1014.5
70°	1621.2	1656.3	1838.4	2117.1	2312.4	2349.4	2248.9	1951.2	1540.7	1102.6	925.3
72.5°	1469.6	1496.1	1654.4	1930.3	2093.4	2119.9	2038.4	1750.2	1367.2	957.6	793.6
75°	1239.2	1261.9	1382.3	1640.2	1787.2	1813.7	1746.4	1472.4	1141.5	784.1	643.8
77.5°	945.3	958.5	1051.4	1285.6	1427.8	1450.6	1389.9	1139.6	874.1	585.9	475.9
80°	596.4	603.9	695.0	889.3	1019.2	1032.5	981.3	768.9	576.4	373.6	290.1
82.5°	244.6	242.7	291.1	457.0	557.5	533.8	549.9	353.6	263.6	161.2	120.4
85°	15.2	11.4	8.5	23.7	22.8	19.0	33.2	7.6	13.3	12.3	9.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9
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°	136.5	136.5	136.5	136.5	136.5	136.5	136.5	136.5	136.5	136.5
2.5°	137.5	136.5	135.6	134.6	133.7	132.7	132.7	131.8	131.8	131.8
5°	140.3	137.5	136.5	133.7	131.8	130.8	130.8	129.9	129.9	129.9
7.5°	144.1	141.3	138.4	135.6	132.7	130.8	129.9	129.9	128.9	128.9
10°	149.8	146.0	142.2	138.4	135.6	133.7	131.8	130.8	130.8	130.8
12.5°	158.3	151.7	147.0	142.2	139.4	136.5	134.6	133.7	133.7	133.7
15°	166.9	159.3	153.6	147.9	144.1	140.3	139.4	138.4	138.4	138.4
17.5°	177.3	167.8	160.2	153.6	149.8	146.0	145.1	144.1	144.1	143.2
20°	189.6	178.2	168.8	161.2	157.4	153.6	151.7	151.7	150.7	150.7
22.5°	202.9	188.7	178.2	169.7	165.9	161.2	160.2	160.2	160.2	159.3
25°	220.0	201.0	189.6	180.1	175.4	171.6	170.7	171.6	171.6	170.7
27.5°	239.9	216.2	201.9	191.5	187.7	183.9	183.9	183.9	185.8	183.9
30°	262.6	236.1	217.1	205.7	201.9	198.2	199.1	201.0	201.9	201.0
32.5°	289.2	256.0	236.1	222.8	219.0	215.2	217.1	220.9	223.8	220.0
35°	324.2	283.5	258.8	244.6	240.8	238.0	240.8	244.6	247.5	245.6
37.5°	361.2	312.9	285.4	269.3	265.5	262.6	266.4	271.2	274.9	272.1
40°	404.8	346.1	314.8	298.7	296.8	292.0	296.8	302.4	307.2	304.3
42.5°	456.0	386.8	349.8	331.8	330.9	326.1	330.9	337.5	342.3	340.4
45°	521.5	436.1	392.5	370.7	370.7	364.1	369.8	376.4	384.0	378.3
47.5°	603.0	500.6	442.8	412.4	413.4	407.7	411.5	418.1	425.7	420.0
50°	695.0	569.8	499.6	462.7	458.9	452.2	458.9	463.6	470.3	468.4
52.5°	827.7	673.1	579.3	519.6	509.1	499.6	506.3	506.3	514.8	512.9
55°	906.4	749.0	660.8	600.1	572.7	550.8	553.7	555.6	561.3	559.4
57.5°	940.5	778.4	700.6	659.9	637.1	609.6	602.0	597.3	605.8	604.9
60°	950.9	788.8	715.8	691.2	683.6	666.5	653.2	642.8	643.8	642.8
62.5°	941.5	786.0	723.4	711.1	727.2	724.3	713.9	685.5	678.8	675.0
65°	927.2	780.3	727.2	719.6	731.0	747.1	749.9	740.5	738.6	732.9
67.5°	889.3	744.3	693.1	693.1	700.6	732.9	749.9	756.6	752.8	750.9
70°	807.8	680.7	641.9	643.8	649.4	695.0	720.6	731.9	717.7	719.6
72.5°	694.0	592.6	567.0	574.5	575.5	627.6	658.9	669.4	655.1	659.9
75°	560.3	484.5	471.2	485.4	484.5	531.9	561.3	573.6	561.3	571.7
77.5°	414.3	363.1	361.2	380.2	374.5	418.1	440.9	454.1	448.4	456.0
80°	260.7	236.1	242.7	263.6	250.3	289.2	306.2	316.7	307.2	317.6
82.5°	113.8	110.9	121.4	136.5	118.5	148.9	158.3	162.1	150.7	161.2
85°	7.6	8.5	9.5	12.3	4.7	11.4	17.1	13.3	11.4	10.4
87.5°	0.9	0.9	0.9	0.9	0.9	0.9	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)