

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: P887803

Luminaire Tested: **TT-D4-750-U-DL-TC**

Issue Date: 10/9/2024

Test Information

Test Method: LM-79-08
Report Number: P887803
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-D4-750-U-DL-TC
Description: DL
5000K, 70 CRI LEDS, DRIVE LANE DISTRIBUTION AND TOTALCOMFORT ACCESSORY
Light Source:
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5463 lumens
Efficiency: N/A
Efficacy: 91.4 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

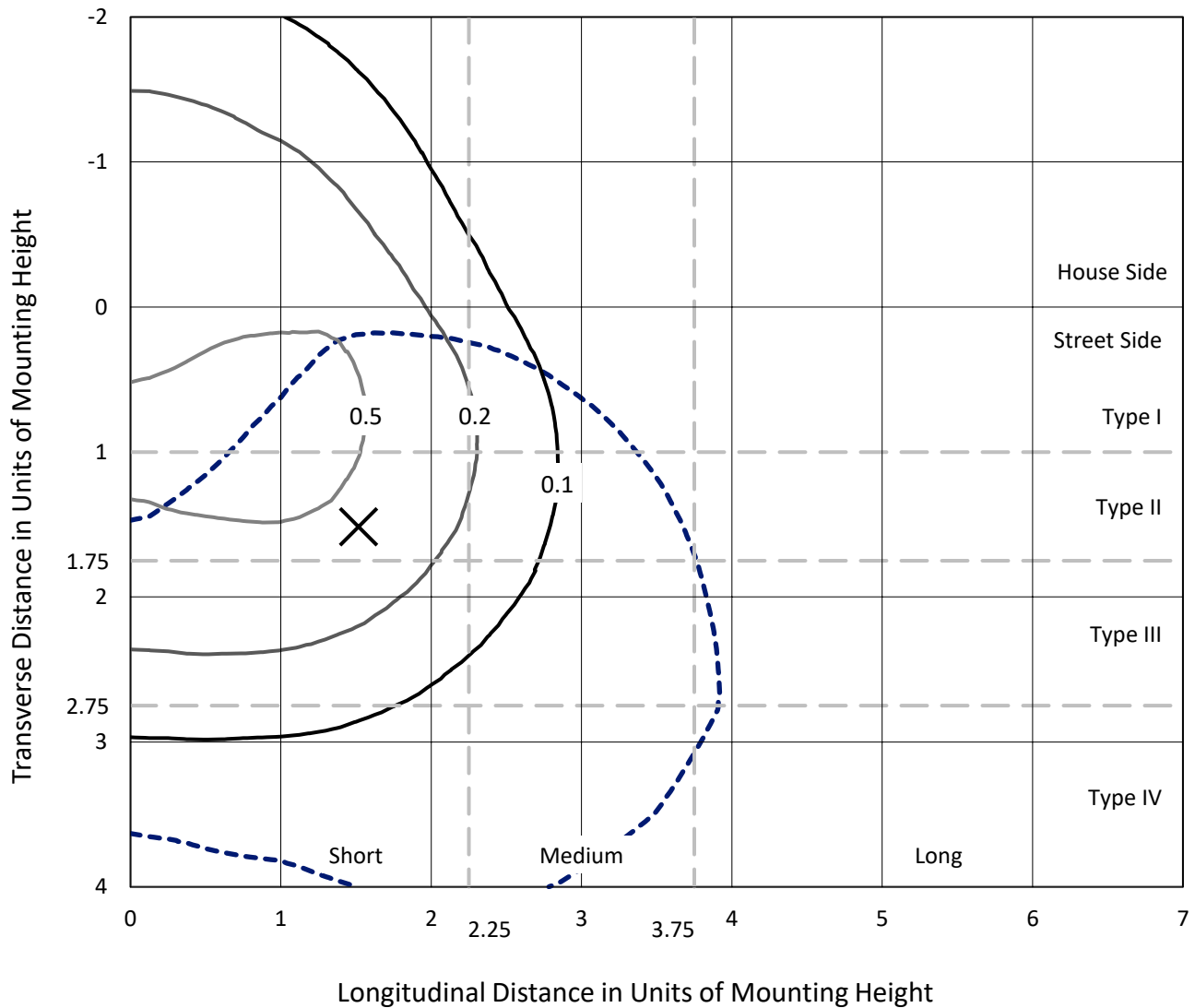


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Iso-Footcandle Lines of Horizontal Illumination

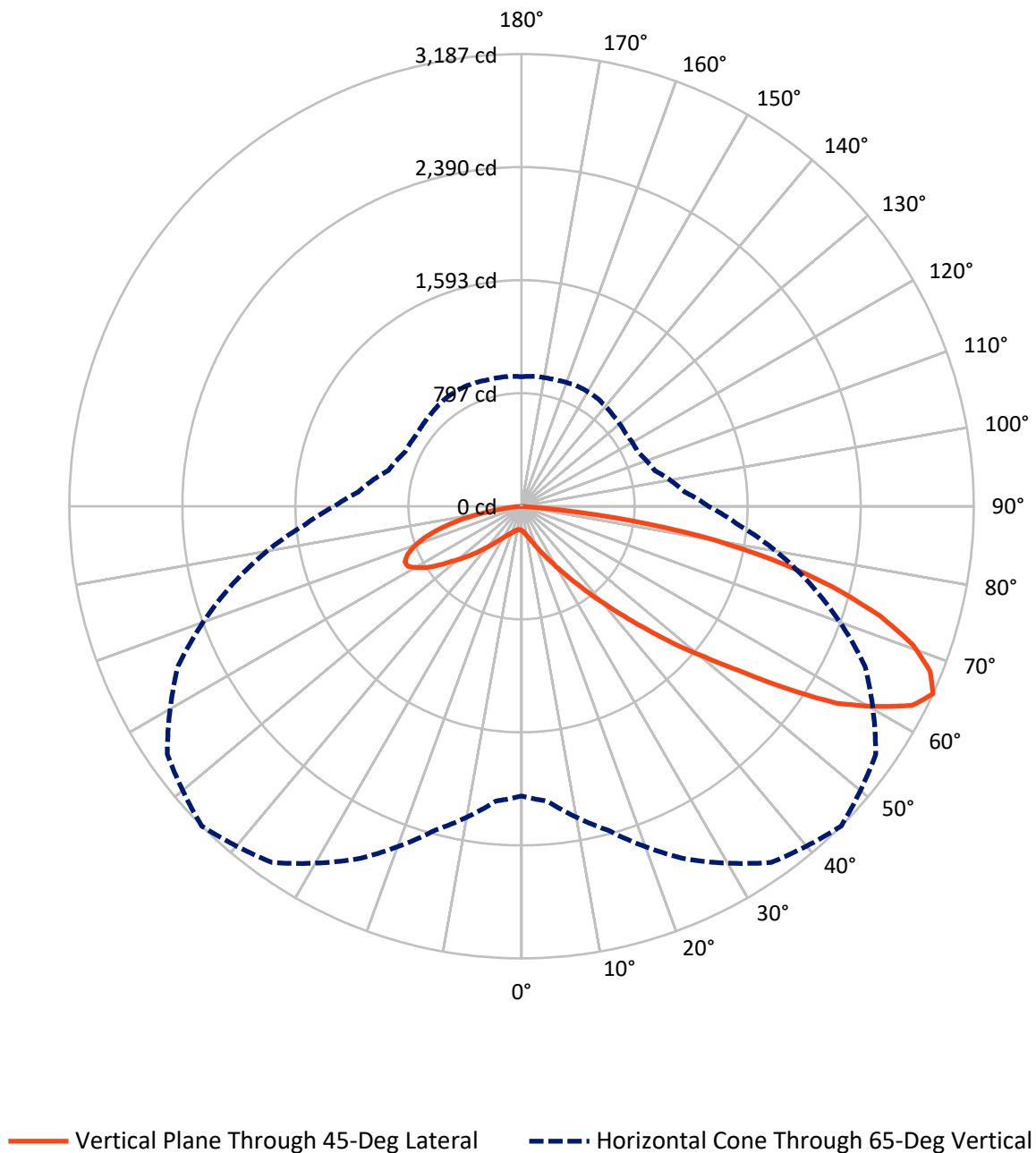
✕ Max cd
- - - 1/2 Max cd



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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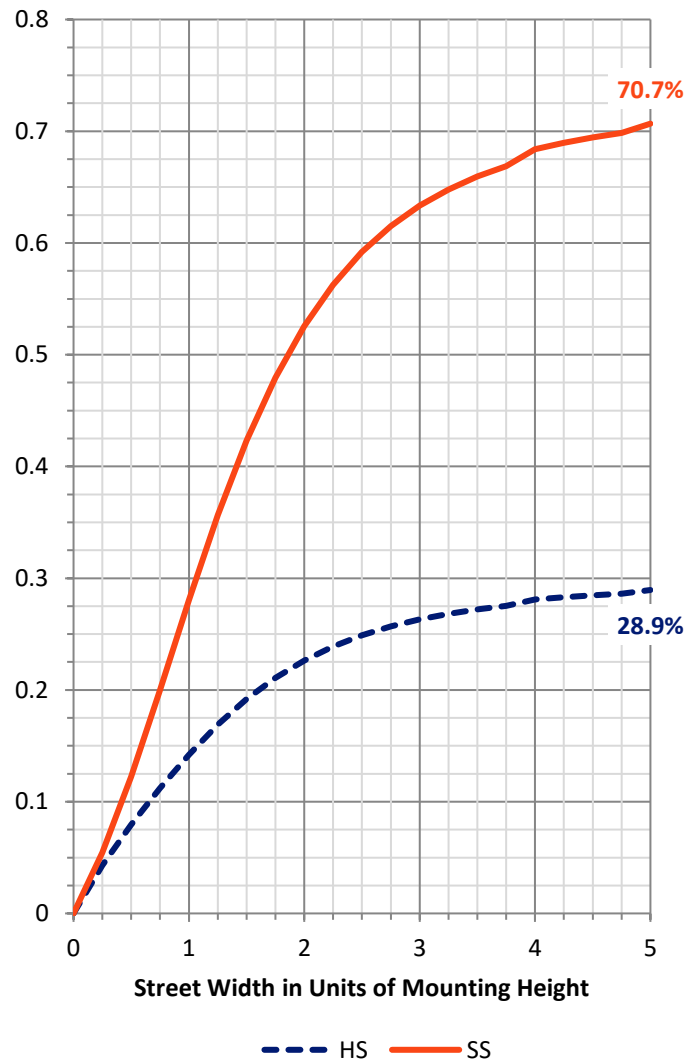
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1583.1	0.0	1583.1
	% Fixture	29.0	0.0	29.0
Street Side	Lumens	3879.9	0.0	3879.9
	% Fixture	71.0	0.0	71.0
Total	Lumens	5463.0	0.0	5463.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.3	0.3
10°-20°	62.5	1.1
20°-30°	142.5	2.6
30°-40°	302.1	5.5
40°-50°	626.9	11.5
50°-60°	1204.4	22.0
60°-70°	1670.1	30.6
70°-80°	1257.3	23.0
80°-90°	179.9	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°	5463.0	100.0
0°-180°	5463.0	100.0

Coefficient of Utilization



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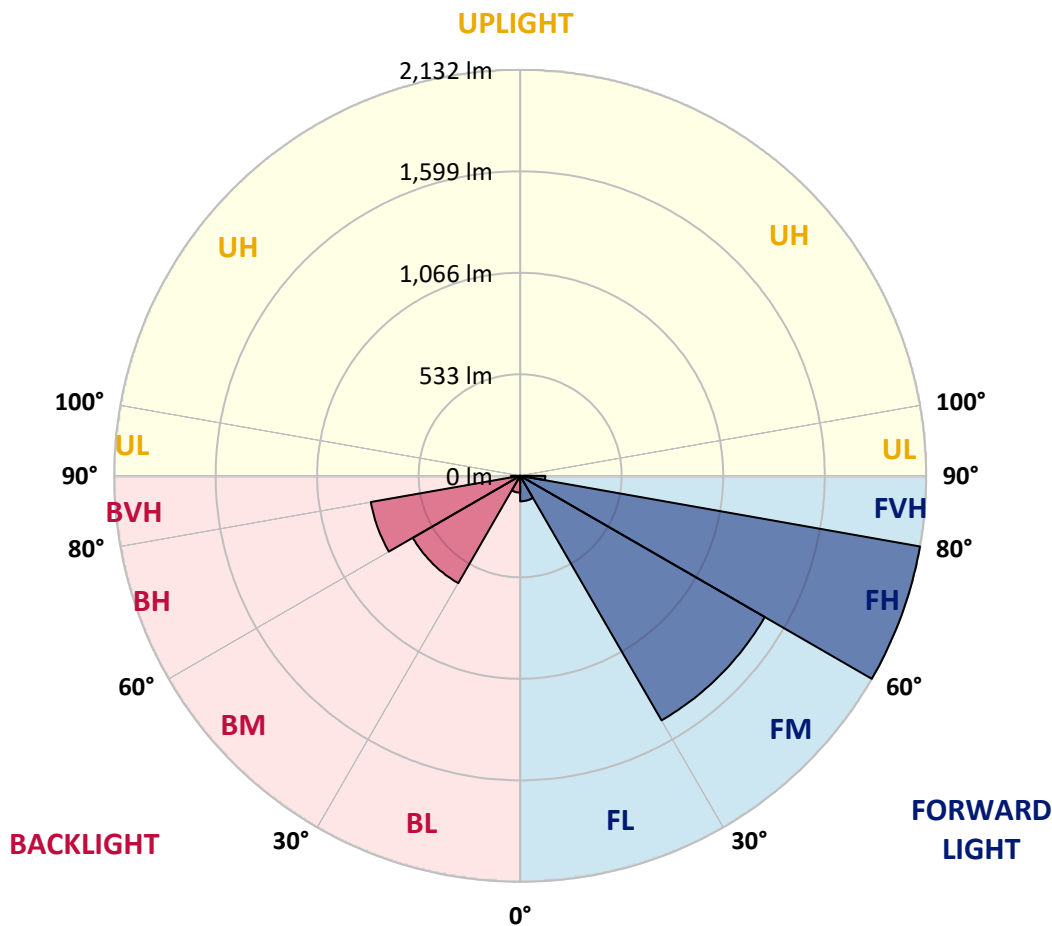
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	133.9	2.5			
FM	(30°-60°)	1482.6	27.1			
FH	(60°-80°)	2131.6	39.0			G2/5000
FVH	(80°-90°)	131.7	2.4			G2/225
BL	(0°-30°)	88.3	1.6	B0/110		
BM	(30°-60°)	650.8	11.9	B1/1000		
BH	(60°-80°)	795.8	14.6	B2/1000		G2/1000
BVH	(80°-90°)	48.2	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°	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0
2.5°	180.6	180.6	179.5	179.5	178.3	177.1	177.1	175.9	173.6	172.4	172.4
5°	191.3	191.3	190.1	190.1	187.7	185.4	184.2	183.0	180.6	177.1	175.9
7.5°	204.3	204.3	204.3	203.1	199.5	197.2	194.8	191.3	187.7	184.2	181.8
10°	222.0	220.8	220.8	218.4	214.9	211.3	207.8	204.3	198.3	192.4	190.1
12.5°	242.0	240.8	239.7	238.5	233.8	229.0	224.3	219.6	211.3	204.3	199.5
15°	264.5	263.3	262.1	260.9	256.2	250.3	244.4	237.3	226.7	217.2	212.5
17.5°	294.0	292.8	291.6	290.4	283.4	277.4	269.2	258.6	245.6	232.6	226.7
20°	323.5	323.5	323.5	321.1	316.4	309.3	299.9	285.7	270.4	251.5	243.2
22.5°	358.9	358.9	361.3	358.9	354.2	345.9	335.3	318.8	296.3	273.9	262.1
25°	400.2	400.2	403.8	403.8	399.1	389.6	376.6	355.4	327.0	301.1	285.7
27.5°	448.6	447.5	454.5	455.7	451.0	441.6	426.2	401.4	362.5	330.6	312.9
30°	505.3	503.0	512.4	515.9	513.6	506.5	486.4	456.9	410.9	367.2	344.7
32.5°	560.8	567.9	577.3	585.6	585.6	580.9	558.4	523.0	466.4	408.5	383.7
35°	631.6	638.7	658.8	667.1	670.6	670.6	647.0	606.8	537.2	467.5	433.3
37.5°	711.9	720.2	746.2	761.5	773.3	779.2	759.1	704.8	617.5	525.4	488.8
40°	802.8	813.5	846.5	871.3	896.1	906.7	887.8	819.4	709.6	597.4	551.4
42.5°	904.4	916.2	959.9	998.8	1039.0	1057.9	1035.4	956.3	822.9	682.4	626.9
45°	1016.5	1030.7	1089.7	1146.4	1200.7	1236.1	1214.9	1127.5	965.8	791.0	722.5
47.5°	1140.5	1157.0	1232.6	1310.5	1389.6	1447.5	1419.1	1324.7	1139.3	928.0	841.8
50°	1271.5	1292.8	1388.4	1485.2	1598.6	1667.1	1647.0	1550.2	1323.5	1073.2	968.1
52.5°	1405.0	1422.7	1551.4	1681.2	1819.4	1928.0	1939.8	1852.4	1613.9	1311.7	1173.6
55°	1544.3	1567.9	1716.6	1877.2	2055.5	2266.8	2334.1	2209.0	1851.2	1451.0	1277.4
57.5°	1684.8	1706.0	1861.9	2079.1	2355.4	2618.7	2637.5	2392.0	1963.4	1515.9	1323.5
60°	1799.3	1822.9	2008.3	2303.4	2638.7	2865.4	2802.8	2493.5	2024.8	1545.5	1343.6
62.5°	1889.0	1919.7	2194.8	2541.9	2907.9	3090.9	2950.4	2585.6	2057.9	1544.3	1334.1
65°	2042.5	2086.2	2364.8	2743.8	3064.9	3186.5	3047.2	2671.8	2102.7	1538.4	1317.6
67.5°	2120.4	2149.9	2395.5	2746.2	3026.0	3105.1	2968.1	2597.4	2059.0	1498.2	1263.3
70°	2018.9	2062.6	2289.3	2636.4	2879.6	2925.6	2800.5	2429.8	1918.5	1373.1	1152.3
72.5°	1830.0	1863.0	2060.2	2403.8	2606.8	2639.9	2538.4	2179.5	1702.5	1192.4	988.2
75°	1543.1	1571.4	1721.4	2042.5	2225.5	2258.6	2174.7	1833.5	1421.5	976.4	801.7
77.5°	1177.1	1193.6	1309.3	1600.9	1778.0	1806.4	1730.8	1419.1	1088.5	729.6	592.7
80°	742.6	752.1	865.4	1107.4	1269.2	1285.7	1222.0	957.5	717.8	465.2	361.3
82.5°	304.6	302.2	362.5	569.1	694.2	664.7	684.8	440.4	328.2	200.7	149.9
85°	18.9	14.2	10.6	29.5	28.3	23.6	41.3	9.4	16.5	15.3	11.8
87.5°	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2
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°	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0
2.5°	171.2	170.0	168.8	167.7	166.5	165.3	165.3	164.1	164.1	164.1
5°	174.7	171.2	170.0	166.5	164.1	162.9	162.9	161.7	161.7	161.7
7.5°	179.5	175.9	172.4	168.8	165.3	162.9	161.7	161.7	160.6	160.6
10°	186.5	181.8	177.1	172.4	168.8	166.5	164.1	162.9	162.9	162.9
12.5°	197.2	188.9	183.0	177.1	173.6	170.0	167.7	166.5	166.5	166.5
15°	207.8	198.3	191.3	184.2	179.5	174.7	173.6	172.4	172.4	172.4
17.5°	220.8	209.0	199.5	191.3	186.5	181.8	180.6	179.5	179.5	178.3
20°	236.1	222.0	210.2	200.7	196.0	191.3	188.9	188.9	187.7	187.7
22.5°	252.7	234.9	222.0	211.3	206.6	200.7	199.5	199.5	199.5	198.3
25°	273.9	250.3	236.1	224.3	218.4	213.7	212.5	213.7	213.7	212.5
27.5°	298.7	269.2	251.5	238.5	233.8	229.0	229.0	229.0	231.4	229.0
30°	327.0	294.0	270.4	256.2	251.5	246.8	247.9	250.3	251.5	250.3
32.5°	360.1	318.8	294.0	277.4	272.7	268.0	270.4	275.1	278.6	273.9
35°	403.8	353.0	322.3	304.6	299.9	296.3	299.9	304.6	308.1	305.8
37.5°	449.8	389.6	355.4	335.3	330.6	327.0	331.8	337.7	342.4	338.8
40°	504.1	430.9	392.0	371.9	369.5	363.6	369.5	376.6	382.5	379.0
42.5°	567.9	481.7	435.7	413.2	412.0	406.1	412.0	420.3	426.2	423.8
45°	649.4	543.1	488.8	461.6	461.6	453.4	460.4	468.7	478.2	471.1
47.5°	750.9	623.4	551.4	513.6	514.8	507.7	512.4	520.7	530.1	523.0
50°	865.4	709.6	622.2	576.2	571.4	563.2	571.4	577.3	585.6	583.2
52.5°	1030.7	838.3	721.4	647.0	634.0	622.2	630.5	630.5	641.1	638.7
55°	1128.7	932.7	822.9	747.3	713.1	686.0	689.5	691.9	698.9	696.6
57.5°	1171.2	969.3	872.5	821.7	793.4	759.1	749.7	743.8	754.4	753.2
60°	1184.2	982.3	891.4	860.7	851.2	830.0	813.5	800.5	801.7	800.5
62.5°	1172.4	978.7	900.8	885.5	905.5	902.0	889.0	853.6	845.3	840.6
65°	1154.7	971.7	905.5	896.1	910.3	930.3	933.9	922.1	919.7	912.6
67.5°	1107.4	926.8	863.0	863.0	872.5	912.6	933.9	942.1	937.4	935.1
70°	1005.9	847.7	799.3	801.7	808.7	865.4	897.3	911.5	893.7	896.1
72.5°	864.2	737.9	706.0	715.5	716.6	781.6	820.5	833.5	815.8	821.7
75°	697.8	603.3	586.8	604.5	603.3	662.3	698.9	714.3	698.9	711.9
77.5°	515.9	452.2	449.8	473.4	466.4	520.7	549.0	565.5	558.4	567.9
80°	324.7	294.0	302.2	328.2	311.7	360.1	381.3	394.3	382.5	395.5
82.5°	141.7	138.1	151.1	170.0	147.6	185.4	197.2	201.9	187.7	200.7
85°	9.4	10.6	11.8	15.3	5.9	14.2	21.3	16.5	14.2	13.0
87.5°	1.2	1.2	1.2	1.2	1.2	1.2	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)