

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: P887618

Luminaire Tested: **TT-D2-740-U-DL-TC**

Issue Date: 10/9/2024

Test Information

Test Method: LM-79-08
Report Number: P887618
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-D2-740-U-DL-TC
Description: DL
4000K, 70 CRI LEDS, DRIVE LANE DISTRIBUTION AND TOTALCOMFORT ACCESSORY
Light Source:
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3872 lumens
Efficiency: N/A
Efficacy: 95.6 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 40.5
Input Voltage (V): 120.0
Input Current (Ain): 0.34
Voltage Rise (V): NR
Power Factor: 0.972
Total Harmonic Distortion (THDi): 15.9%
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT

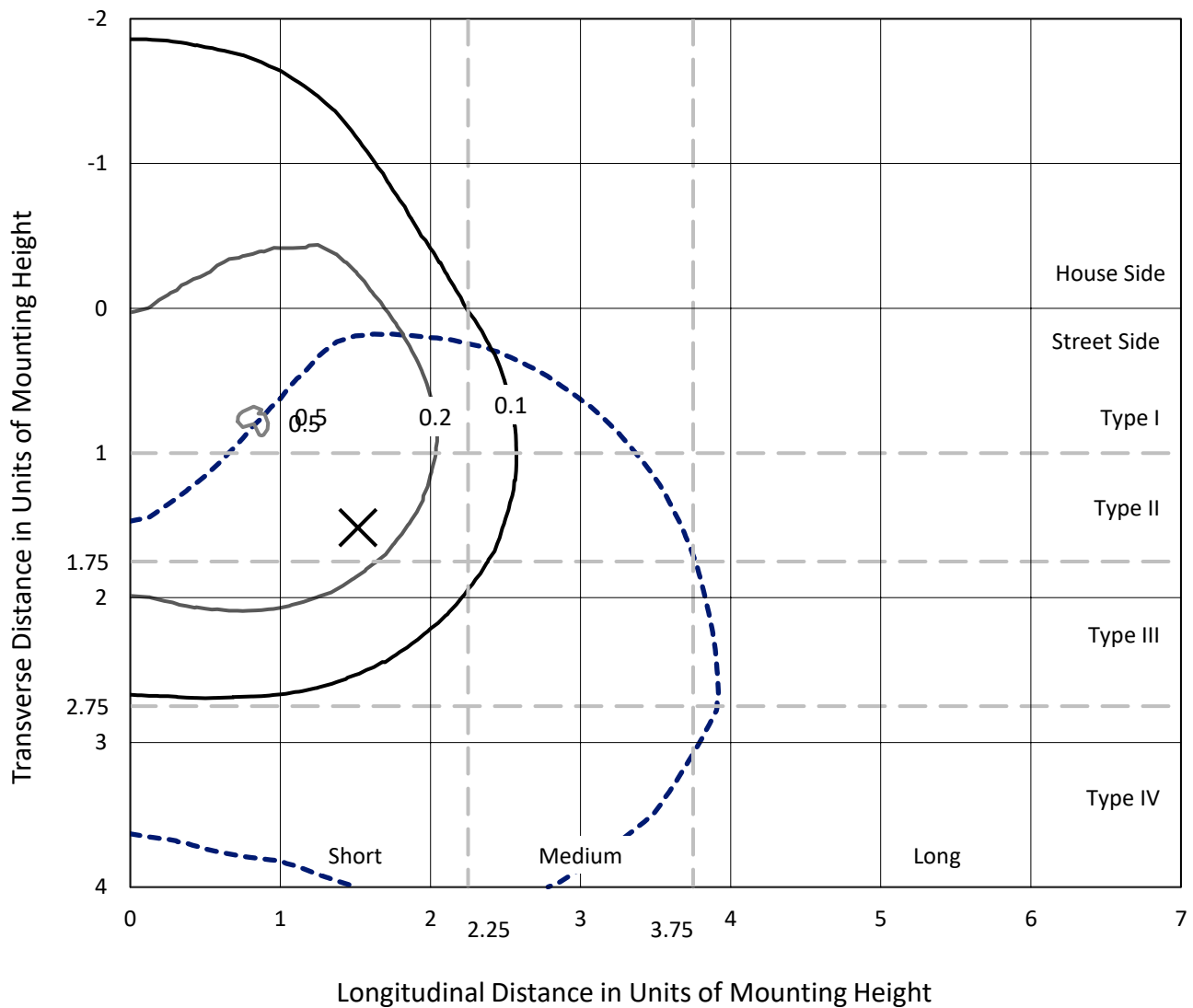


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Iso-Footcandle Lines of Horizontal Illumination

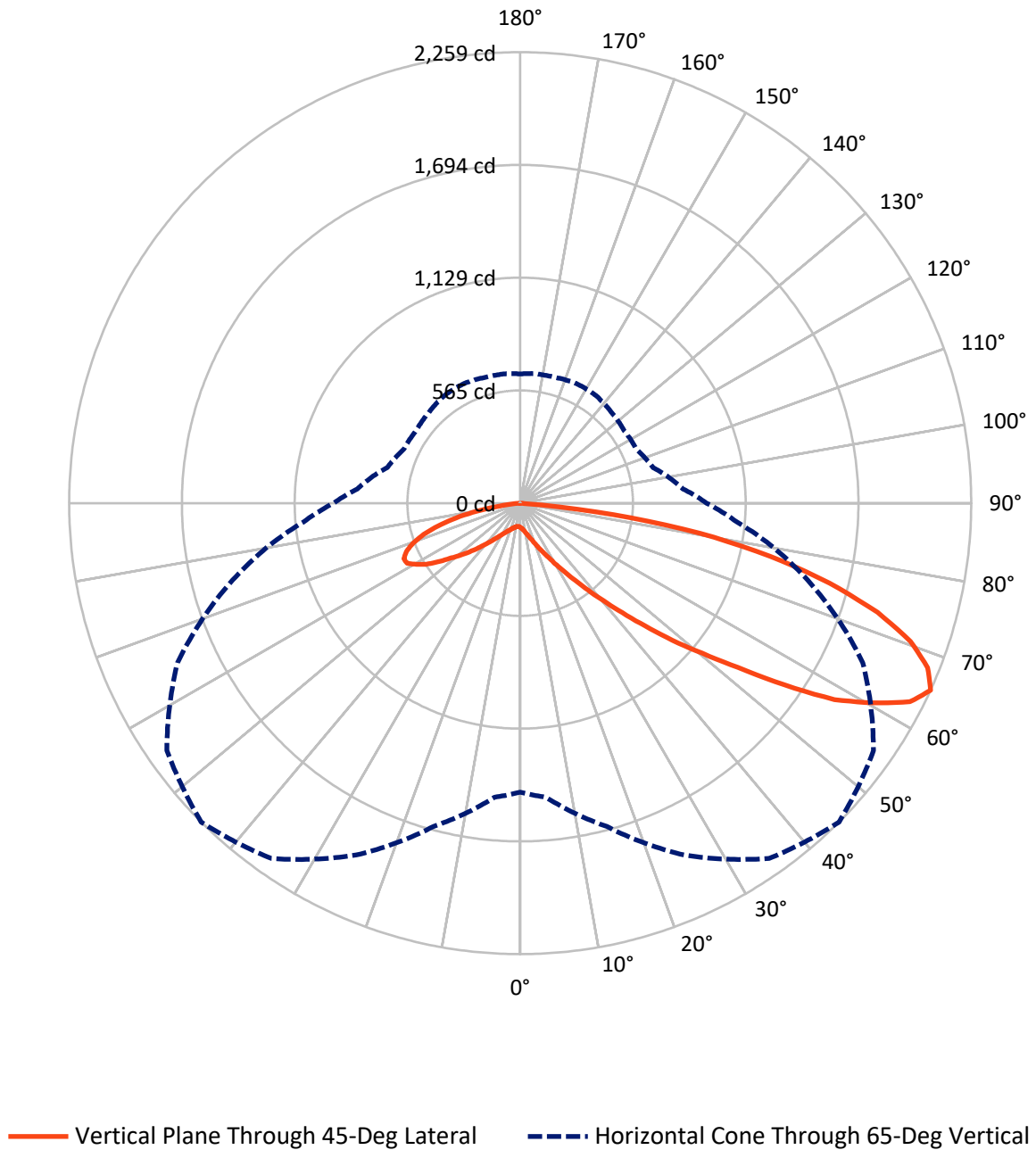
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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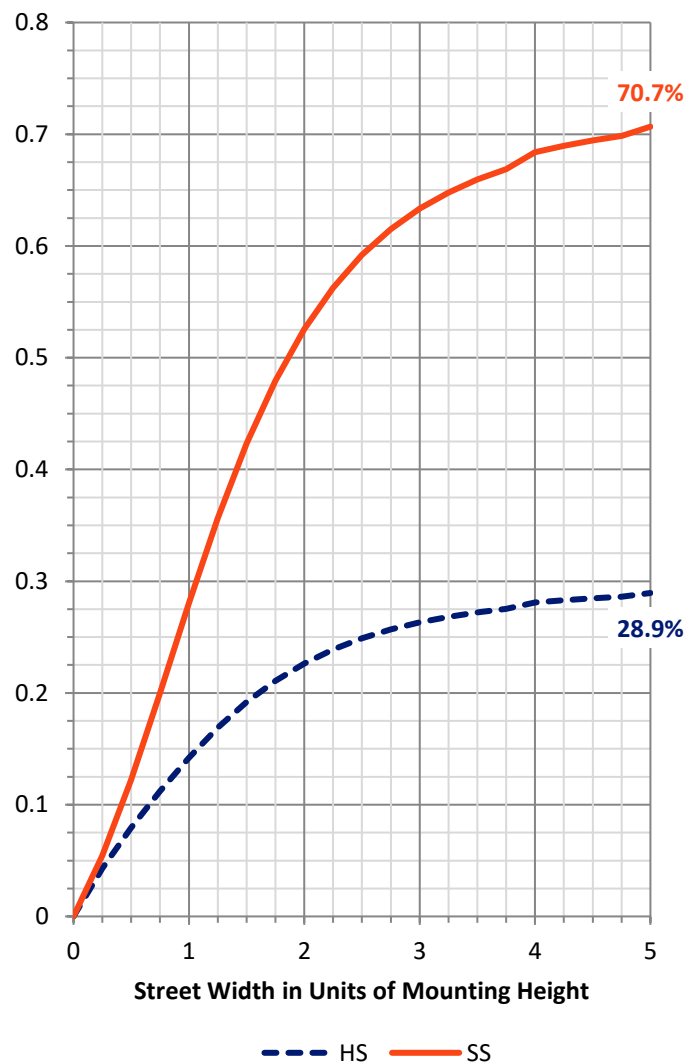
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1122.1	0.0	1122.1
	% Fixture	29.0	0.0	29.0
Street Side	Lumens	2749.9	0.0	2749.9
	% Fixture	71.0	0.0	71.0
Total	Lumens	3872.0	0.0	3872.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.2	0.3
10°-20°	44.3	1.1
20°-30°	101.0	2.6
30°-40°	214.1	5.5
40°-50°	444.3	11.5
50°-60°	853.7	22.0
60°-70°	1183.7	30.6
70°-80°	891.2	23.0
80°-90°	127.5	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°	3872.0	100.0
0°-180°	3872.0	100.0

Coefficient of Utilization



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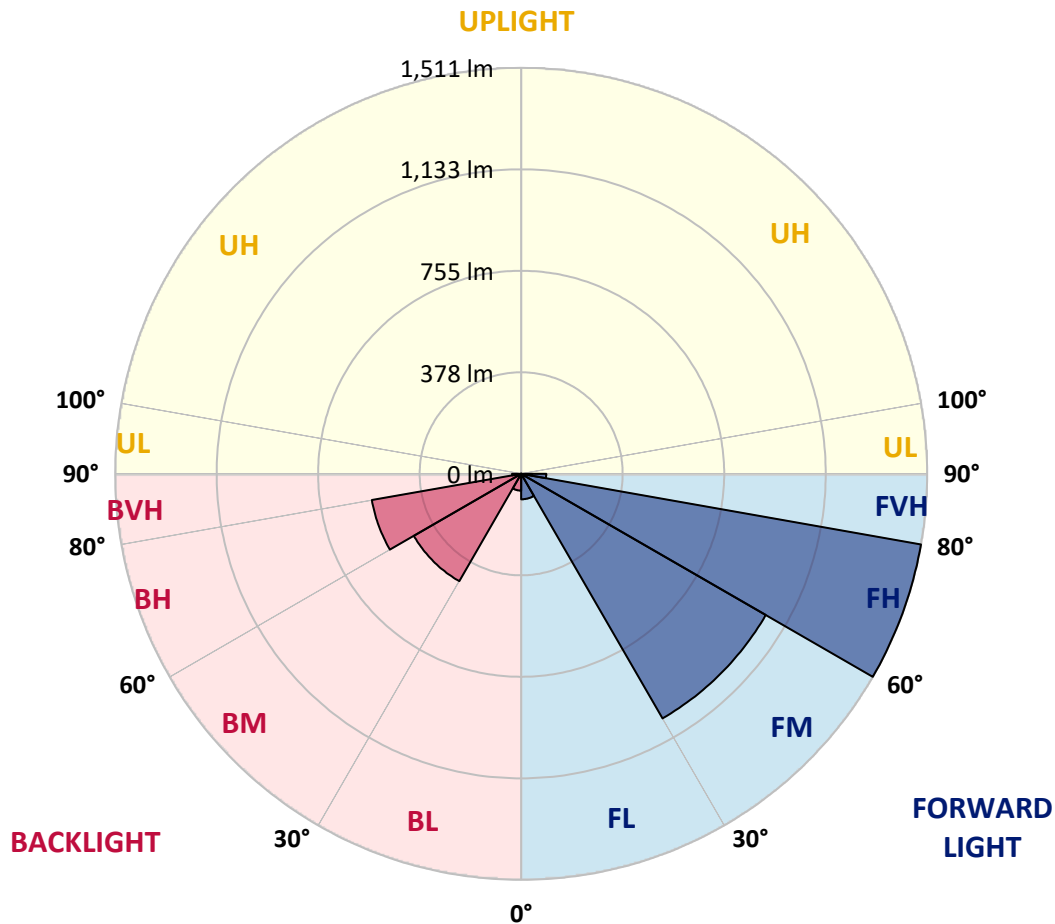
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	94.9	2.5			
FM	(30°-60°)	1050.8	27.1			
FH	(60°-80°)	1510.8	39.0			G1/1800
FVH	(80°-90°)	93.3	2.4			G1/100
BL	(0°-30°)	62.6	1.6	B0/110		
BM	(30°-60°)	461.2	11.9	B1/1000		
BH	(60°-80°)	564.1	14.6	B2/1000		G2/1000
BVH	(80°-90°)	34.2	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°	120.5	120.5	120.5	120.5	120.5	120.5	120.5	120.5	120.5	120.5	120.5
2.5°	128.0	128.0	127.2	127.2	126.4	125.5	125.5	124.7	123.0	122.2	122.2
5°	135.6	135.6	134.7	134.7	133.1	131.4	130.5	129.7	128.0	125.5	124.7
7.5°	144.8	144.8	144.8	143.9	141.4	139.7	138.1	135.6	133.1	130.5	128.9
10°	157.3	156.5	156.5	154.8	152.3	149.8	147.3	144.8	140.6	136.4	134.7
12.5°	171.5	170.7	169.9	169.0	165.7	162.3	159.0	155.6	149.8	144.8	141.4
15°	187.4	186.6	185.8	184.9	181.6	177.4	173.2	168.2	160.7	154.0	150.6
17.5°	208.4	207.5	206.7	205.9	200.8	196.6	190.8	183.3	174.1	164.8	160.7
20°	229.3	229.3	229.3	227.6	224.3	219.2	212.5	202.5	191.6	178.2	172.4
22.5°	254.4	254.4	256.1	254.4	251.0	245.2	237.7	225.9	210.0	194.1	185.8
25°	283.7	283.7	286.2	286.2	282.8	276.1	266.9	251.9	231.8	213.4	202.5
27.5°	318.0	317.1	322.2	323.0	319.7	313.0	302.1	284.5	256.9	234.3	221.8
30°	358.1	356.5	363.2	365.7	364.0	359.0	344.8	323.8	291.2	260.2	244.3
32.5°	397.5	402.5	409.2	415.1	415.1	411.7	395.8	370.7	330.5	289.5	272.0
35°	447.7	452.7	466.9	472.8	475.3	475.3	458.6	430.1	380.7	331.4	307.1
37.5°	504.6	510.4	528.9	539.7	548.1	552.3	538.1	499.6	437.6	372.4	346.4
40°	569.0	576.6	600.0	617.6	635.1	642.7	629.3	580.7	502.9	423.4	390.8
42.5°	641.0	649.4	680.3	707.9	736.4	749.8	733.9	677.8	583.2	483.7	444.3
45°	720.5	730.5	772.4	812.5	851.0	876.1	861.1	799.1	684.5	560.7	512.1
47.5°	808.3	820.1	873.6	928.8	984.9	1025.9	1005.8	938.9	807.5	657.7	596.6
50°	901.2	916.3	984.1	1052.7	1133.0	1181.6	1167.3	1098.7	938.1	760.6	686.2
52.5°	995.8	1008.3	1099.6	1191.6	1289.5	1366.5	1374.9	1312.9	1143.9	929.7	831.8
55°	1094.5	1111.3	1216.7	1330.5	1456.9	1606.7	1654.3	1565.6	1312.1	1028.4	905.4
57.5°	1194.1	1209.2	1319.6	1473.6	1669.4	1856.0	1869.4	1695.4	1391.6	1074.4	938.1
60°	1275.3	1292.0	1423.4	1632.6	1870.2	2030.9	1986.6	1767.3	1435.1	1095.4	952.3
62.5°	1338.9	1360.6	1555.6	1801.6	2061.0	2190.7	2091.2	1832.6	1458.5	1094.5	945.6
65°	1447.7	1478.6	1676.1	1944.7	2172.3	2258.5	2159.8	1893.7	1490.3	1090.3	933.9
67.5°	1502.9	1523.8	1697.9	1946.4	2144.7	2200.8	2103.7	1841.0	1459.4	1061.9	895.4
70°	1430.9	1461.9	1622.6	1868.6	2041.0	2073.6	1984.9	1722.1	1359.8	973.2	816.7
72.5°	1297.0	1320.5	1460.2	1703.7	1847.6	1871.1	1799.1	1544.7	1206.7	845.2	700.4
75°	1093.7	1113.8	1220.1	1447.7	1577.4	1600.8	1541.4	1299.5	1007.5	692.0	568.2
77.5°	834.3	846.0	928.0	1134.7	1260.2	1280.3	1226.7	1005.8	771.5	517.1	420.1
80°	526.3	533.0	613.4	784.9	899.6	911.3	866.1	678.6	508.8	329.7	256.1
82.5°	215.9	214.2	256.9	403.3	492.0	471.1	485.3	312.1	232.6	142.3	106.3
85°	13.4	10.0	7.5	20.9	20.1	16.7	29.3	6.7	11.7	10.9	8.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8
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°	120.5	120.5	120.5	120.5	120.5	120.5	120.5	120.5	120.5	120.5
2.5°	121.3	120.5	119.7	118.8	118.0	117.2	117.2	116.3	116.3	116.3
5°	123.8	121.3	120.5	118.0	116.3	115.5	115.5	114.6	114.6	114.6
7.5°	127.2	124.7	122.2	119.7	117.2	115.5	114.6	114.6	113.8	113.8
10°	132.2	128.9	125.5	122.2	119.7	118.0	116.3	115.5	115.5	115.5
12.5°	139.7	133.9	129.7	125.5	123.0	120.5	118.8	118.0	118.0	118.0
15°	147.3	140.6	135.6	130.5	127.2	123.8	123.0	122.2	122.2	122.2
17.5°	156.5	148.1	141.4	135.6	132.2	128.9	128.0	127.2	127.2	126.4
20°	167.4	157.3	149.0	142.3	138.9	135.6	133.9	133.9	133.1	133.1
22.5°	179.1	166.5	157.3	149.8	146.4	142.3	141.4	141.4	141.4	140.6
25°	194.1	177.4	167.4	159.0	154.8	151.5	150.6	151.5	151.5	150.6
27.5°	211.7	190.8	178.2	169.0	165.7	162.3	162.3	162.3	164.0	162.3
30°	231.8	208.4	191.6	181.6	178.2	174.9	175.7	177.4	178.2	177.4
32.5°	255.2	225.9	208.4	196.6	193.3	190.0	191.6	195.0	197.5	194.1
35°	286.2	250.2	228.4	215.9	212.5	210.0	212.5	215.9	218.4	216.7
37.5°	318.8	276.1	251.9	237.7	234.3	231.8	235.1	239.3	242.7	240.2
40°	357.3	305.4	277.8	263.6	261.9	257.7	261.9	266.9	271.1	268.6
42.5°	402.5	341.4	308.8	292.9	292.0	287.9	292.0	297.9	302.1	300.4
45°	460.2	384.9	346.4	327.2	327.2	321.3	326.4	332.2	338.9	333.9
47.5°	532.2	441.8	390.8	364.0	364.8	359.8	363.2	369.0	375.7	370.7
50°	613.4	502.9	441.0	408.4	405.0	399.2	405.0	409.2	415.1	413.4
52.5°	730.5	594.1	511.3	458.6	449.4	441.0	446.9	446.9	454.4	452.7
55°	800.0	661.1	583.2	529.7	505.4	486.2	488.7	490.4	495.4	493.7
57.5°	830.1	687.0	618.4	582.4	562.3	538.1	531.4	527.2	534.7	533.9
60°	839.3	696.2	631.8	610.0	603.3	588.3	576.6	567.3	568.2	567.3
62.5°	830.9	693.7	638.5	627.6	641.8	639.3	630.1	605.0	599.1	595.8
65°	818.4	688.7	641.8	635.1	645.2	659.4	661.9	653.5	651.9	646.8
67.5°	784.9	656.9	611.7	611.7	618.4	646.8	661.9	667.8	664.4	662.7
70°	713.0	600.8	566.5	568.2	573.2	613.4	636.0	646.0	633.5	635.1
72.5°	612.5	523.0	500.4	507.1	507.9	554.0	581.6	590.8	578.2	582.4
75°	494.5	427.6	415.9	428.4	427.6	469.4	495.4	506.3	495.4	504.6
77.5°	365.7	320.5	318.8	335.6	330.5	369.0	389.1	400.8	395.8	402.5
80°	230.1	208.4	214.2	232.6	220.9	255.2	270.3	279.5	271.1	280.3
82.5°	100.4	97.9	107.1	120.5	104.6	131.4	139.7	143.1	133.1	142.3
85°	6.7	7.5	8.4	10.9	4.2	10.0	15.1	11.7	10.0	9.2
87.5°	0.8	0.8	0.8	0.8	0.8	0.8	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)