

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: P887733

Luminaire Tested: **TT-D3-830-U-DL-TC**

Issue Date: 10/9/2024

Test Information

Test Method: LM-79-08
Report Number: P887733
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-D3-830-U-DL-TC
Description: DL
3000K, 80 CRI LEDS, DRIVE LANE DISTRIBUTION AND TOTALCOMFORT ACCESSORY
Light Source:
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4146 lumens
Efficiency: N/A
Efficacy: 85.0 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

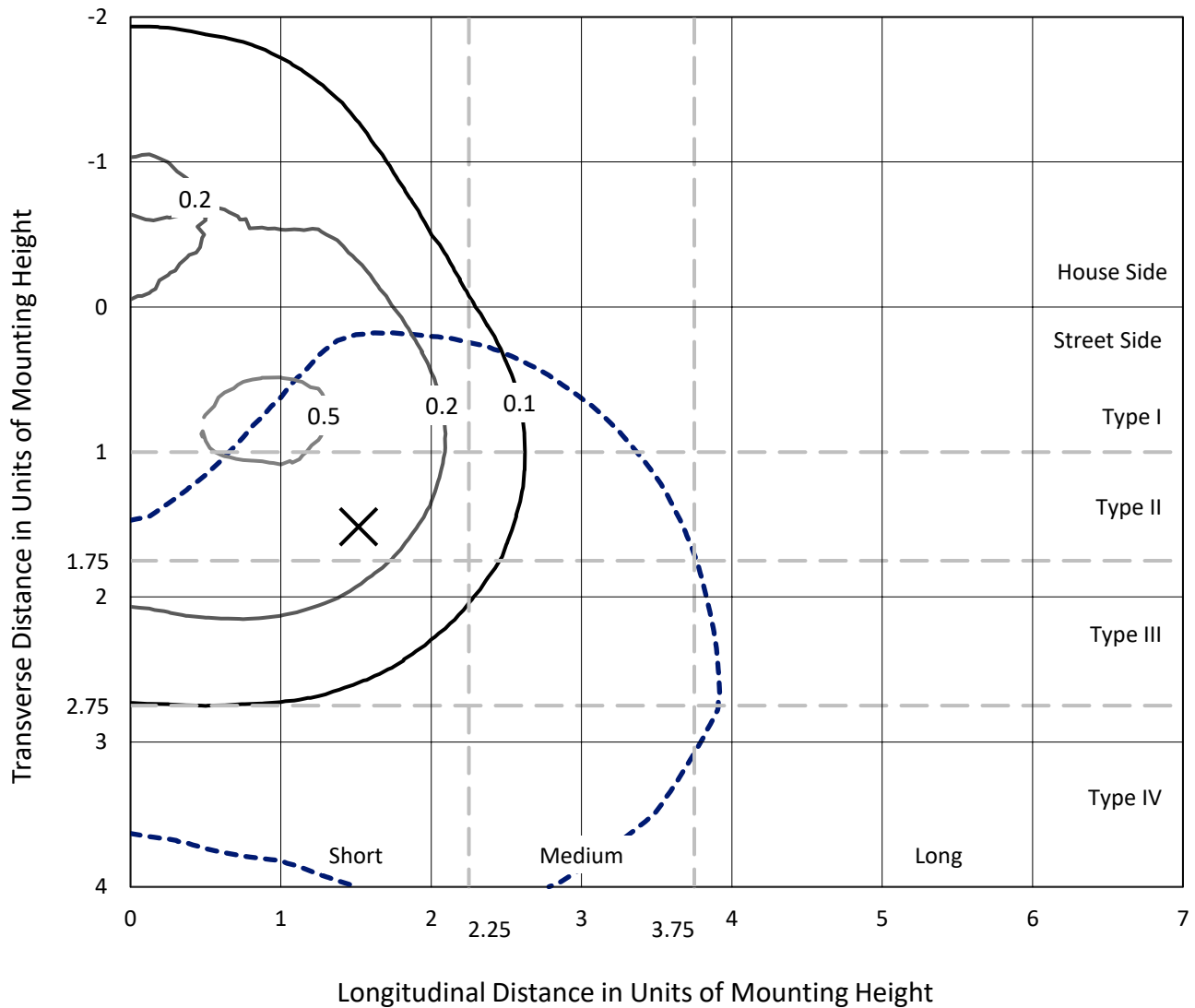


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

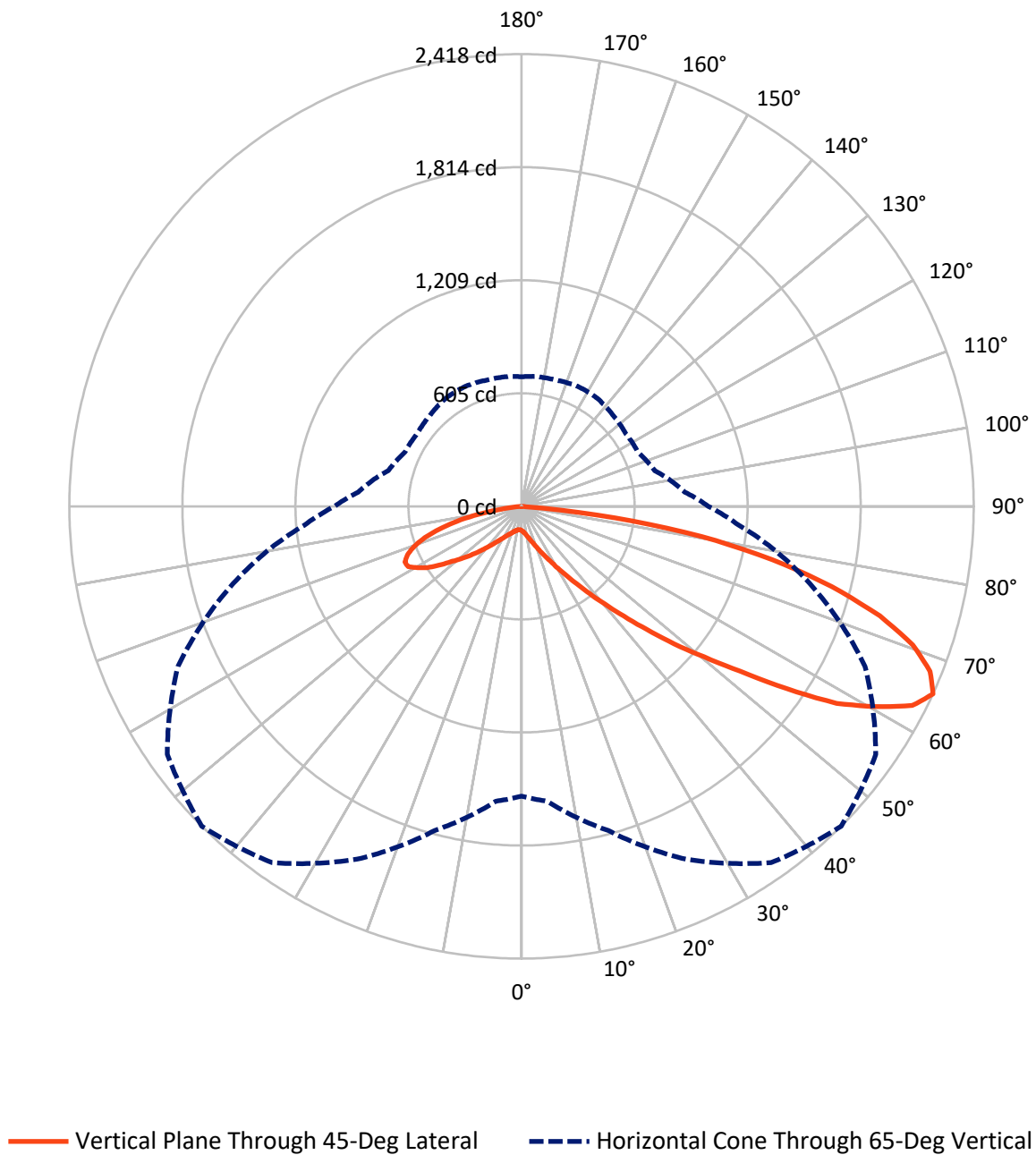


Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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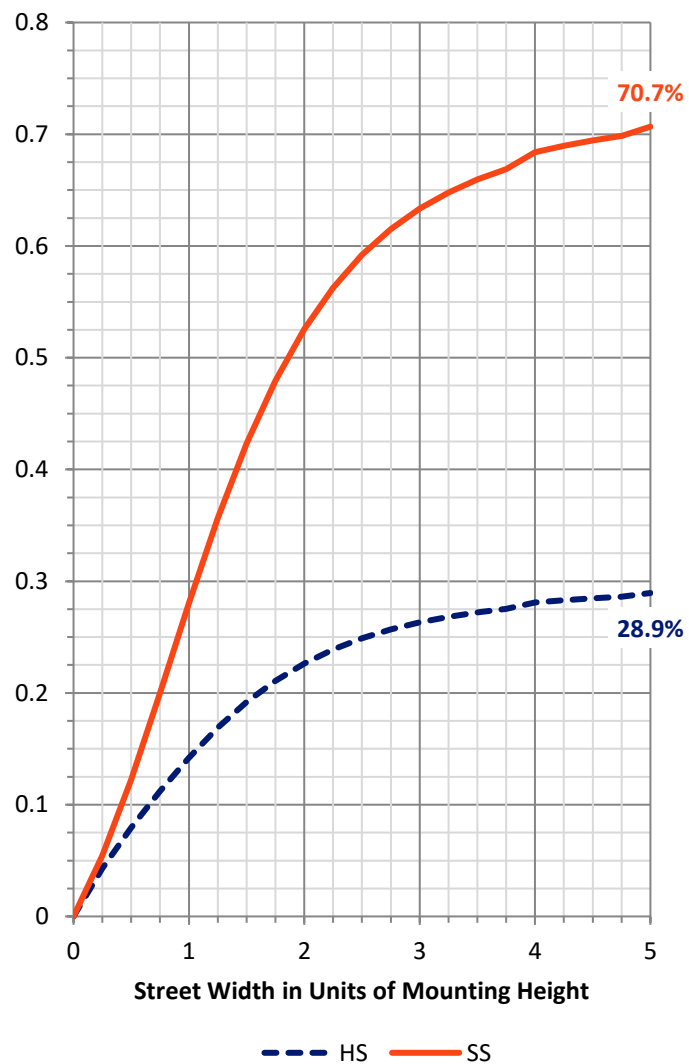
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1201.5	0.0	1201.5
	% Fixture	29.0	0.0	29.0
Street Side	Lumens	2944.5	0.0	2944.5
	% Fixture	71.0	0.0	71.0
Total	Lumens	4146.0	0.0	4146.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.1	0.3
10°-20°	47.4	1.1
20°-30°	108.1	2.6
30°-40°	229.2	5.5
40°-50°	475.8	11.5
50°-60°	914.1	22.0
60°-70°	1267.5	30.6
70°-80°	954.2	23.0
80°-90°	136.6	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°	4146.0	100.0
0°-180°	4146.0	100.0

Coefficient of Utilization



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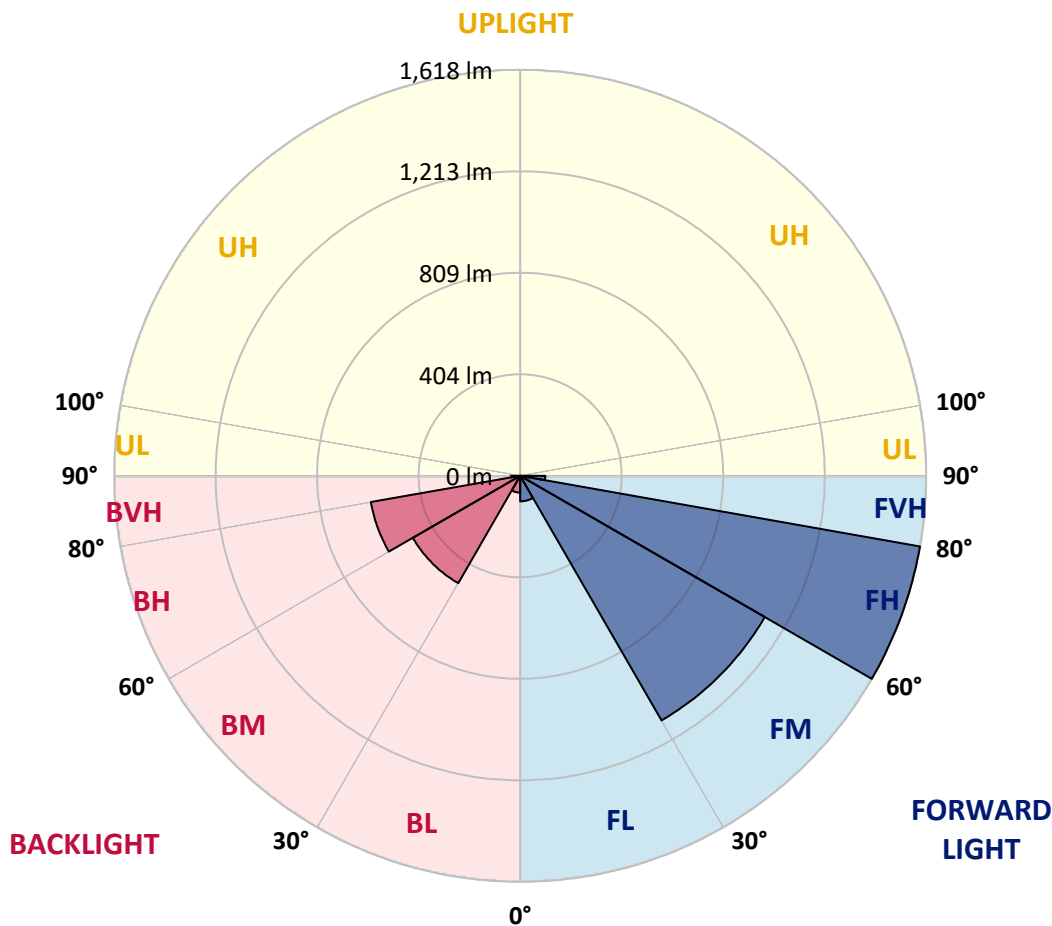
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	101.6	2.5			
FM	(30°-60°)	1125.2	27.1			
FH	(60°-80°)	1617.7	39.0			G1/1800
FVH	(80°-90°)	100.0	2.4			G1/100
BL	(0°-30°)	67.0	1.6	B0/110		
BM	(30°-60°)	493.9	11.9	B1/1000		
BH	(60°-80°)	604.0	14.6	B2/1000		G2/1000
BVH	(80°-90°)	36.6	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°	129.0	129.0	129.0	129.0	129.0	129.0	129.0	129.0	129.0	129.0	129.0
2.5°	137.1	137.1	136.2	136.2	135.3	134.4	134.4	133.5	131.7	130.8	130.8
5°	145.2	145.2	144.3	144.3	142.5	140.7	139.8	138.9	137.1	134.4	133.5
7.5°	155.0	155.0	155.0	154.1	151.4	149.6	147.8	145.2	142.5	139.8	138.0
10°	168.5	167.6	167.6	165.8	163.1	160.4	157.7	155.0	150.5	146.1	144.3
12.5°	183.7	182.8	181.9	181.0	177.4	173.8	170.2	166.7	160.4	155.0	151.4
15°	200.7	199.8	198.9	198.0	194.4	190.0	185.5	180.1	172.0	164.9	161.3
17.5°	223.1	222.2	221.3	220.4	215.0	210.6	204.3	196.2	186.4	176.5	172.0
20°	245.5	245.5	245.5	243.7	240.1	234.8	227.6	216.8	205.2	190.9	184.6
22.5°	272.4	272.4	274.2	272.4	268.8	262.5	254.5	241.9	224.9	207.9	198.9
25°	303.7	303.7	306.4	306.4	302.9	295.7	285.8	269.7	248.2	228.5	216.8
27.5°	340.5	339.6	345.0	345.9	342.3	335.1	323.5	304.6	275.1	250.9	237.4
30°	383.5	381.7	388.9	391.6	389.8	384.4	369.2	346.8	311.8	278.7	261.6
32.5°	425.6	431.0	438.2	444.4	444.4	440.8	423.8	396.9	353.9	310.0	291.2
35°	479.4	484.7	500.0	506.2	508.9	508.9	491.0	460.6	407.7	354.8	328.8
37.5°	540.3	546.6	566.3	577.9	586.9	591.4	576.1	534.9	468.6	398.7	370.9
40°	609.3	617.4	642.4	661.3	680.1	688.1	673.8	621.8	538.5	453.4	418.4
42.5°	686.3	695.3	728.5	758.0	788.5	802.8	785.8	725.8	624.5	517.9	475.8
45°	771.5	782.2	827.0	870.0	911.2	938.1	922.0	855.7	732.9	600.3	548.4
47.5°	865.5	878.1	935.4	994.6	1054.6	1098.5	1077.0	1005.3	864.7	704.3	638.9
50°	965.0	981.1	1053.7	1127.2	1213.2	1265.2	1249.9	1176.5	1004.4	814.5	734.7
52.5°	1066.3	1079.7	1177.4	1275.9	1380.8	1463.2	1472.2	1405.8	1224.9	995.5	890.6
55°	1172.0	1189.9	1302.8	1424.7	1560.0	1720.3	1771.4	1676.4	1404.9	1101.2	969.5
57.5°	1278.6	1294.7	1413.0	1577.9	1787.5	1987.4	2001.7	1815.3	1490.1	1150.5	1004.4
60°	1365.5	1383.4	1524.1	1748.1	2002.6	2174.6	2127.1	1892.4	1536.7	1172.9	1019.7
62.5°	1433.6	1456.9	1665.7	1929.1	2206.9	2345.8	2239.1	1962.3	1561.8	1172.0	1012.5
65°	1550.1	1583.3	1794.7	2082.3	2326.1	2418.3	2312.6	2027.7	1595.8	1167.5	1000.0
67.5°	1609.2	1631.6	1818.0	2084.1	2296.5	2356.5	2252.6	1971.2	1562.6	1137.0	958.7
70°	1532.2	1565.3	1737.4	2000.8	2185.4	2220.3	2125.3	1844.0	1456.0	1042.1	874.5
72.5°	1388.8	1413.9	1563.5	1824.3	1978.4	2003.5	1926.4	1654.0	1292.1	905.0	750.0
75°	1171.1	1192.6	1306.4	1550.1	1689.0	1714.1	1650.5	1391.5	1078.8	741.0	608.4
77.5°	893.3	905.9	993.7	1215.0	1349.4	1370.9	1313.6	1077.0	826.1	553.7	449.8
80°	563.6	570.8	656.8	840.5	963.2	975.8	927.4	726.7	544.8	353.0	274.2
82.5°	231.2	229.4	275.1	431.9	526.9	504.5	519.7	334.2	249.1	152.3	113.8
85°	14.3	10.8	8.1	22.4	21.5	17.9	31.4	7.2	12.5	11.6	9.0
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°	129.0	129.0	129.0	129.0	129.0	129.0	129.0	129.0	129.0	129.0
2.5°	129.9	129.0	128.1	127.2	126.3	125.4	125.4	124.5	124.5	124.5
5°	132.6	129.9	129.0	126.3	124.5	123.6	123.6	122.8	122.8	122.8
7.5°	136.2	133.5	130.8	128.1	125.4	123.6	122.8	122.8	121.9	121.9
10°	141.6	138.0	134.4	130.8	128.1	126.3	124.5	123.6	123.6	123.6
12.5°	149.6	143.4	138.9	134.4	131.7	129.0	127.2	126.3	126.3	126.3
15°	157.7	150.5	145.2	139.8	136.2	132.6	131.7	130.8	130.8	130.8
17.5°	167.6	158.6	151.4	145.2	141.6	138.0	137.1	136.2	136.2	135.3
20°	179.2	168.5	159.5	152.3	148.7	145.2	143.4	143.4	142.5	142.5
22.5°	191.7	178.3	168.5	160.4	156.8	152.3	151.4	151.4	151.4	150.5
25°	207.9	190.0	179.2	170.2	165.8	162.2	161.3	162.2	162.2	161.3
27.5°	226.7	204.3	190.9	181.0	177.4	173.8	173.8	173.8	175.6	173.8
30°	248.2	223.1	205.2	194.4	190.9	187.3	188.2	190.0	190.9	190.0
32.5°	273.3	241.9	223.1	210.6	207.0	203.4	205.2	208.8	211.5	207.9
35°	306.4	267.9	244.6	231.2	227.6	224.9	227.6	231.2	233.9	232.1
37.5°	341.4	295.7	269.7	254.5	250.9	248.2	251.8	256.3	259.8	257.2
40°	382.6	327.0	297.5	282.2	280.5	276.0	280.5	285.8	290.3	287.6
42.5°	431.0	365.6	330.6	313.6	312.7	308.2	312.7	319.0	323.5	321.7
45°	492.8	412.2	370.9	350.3	350.3	344.1	349.4	355.7	362.9	357.5
47.5°	569.9	473.1	418.4	389.8	390.7	385.3	388.9	395.1	402.3	396.9
50°	656.8	538.5	472.2	437.3	433.7	427.4	433.7	438.2	444.4	442.6
52.5°	782.2	636.2	547.5	491.0	481.2	472.2	478.5	478.5	486.5	484.7
55°	856.6	707.9	624.5	567.2	541.2	520.6	523.3	525.1	530.4	528.6
57.5°	888.8	735.6	662.2	623.6	602.1	576.1	569.0	564.5	572.6	571.7
60°	898.7	745.5	676.5	653.2	646.0	629.9	617.4	607.5	608.4	607.5
62.5°	889.7	742.8	683.7	672.0	687.2	684.6	674.7	647.8	641.5	638.0
65°	876.3	737.4	687.2	680.1	690.8	706.1	708.7	699.8	698.0	692.6
67.5°	840.5	703.4	655.0	655.0	662.2	692.6	708.7	715.0	711.4	709.6
70°	763.4	643.3	606.6	608.4	613.8	656.8	681.0	691.7	678.3	680.1
72.5°	655.9	560.0	535.8	543.0	543.9	593.2	622.7	632.6	619.1	623.6
75°	529.5	457.9	445.3	458.8	457.9	502.7	530.4	542.1	530.4	540.3
77.5°	391.6	343.2	341.4	359.3	353.9	395.1	416.6	429.2	423.8	431.0
80°	246.4	223.1	229.4	249.1	236.5	273.3	289.4	299.3	290.3	300.2
82.5°	107.5	104.8	114.7	129.0	112.0	140.7	149.6	153.2	142.5	152.3
85°	7.2	8.1	9.0	11.6	4.5	10.8	16.1	12.5	10.8	9.9
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)