

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: P198225

Luminaire Tested: **TT-C3-LED-E1-T4-PM-CG-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198225
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34707)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C3-LED-E1-T4-PM-CG-8030
Description: TOPTIER LED AREA/SITE LUMINAIRE
DRIVE LANE DISTRIBUTION WITH CLEAR GLASS LENS
Light Source: (160) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4012.1 lumens
Efficiency: N/A
Efficacy: 60.3 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G2

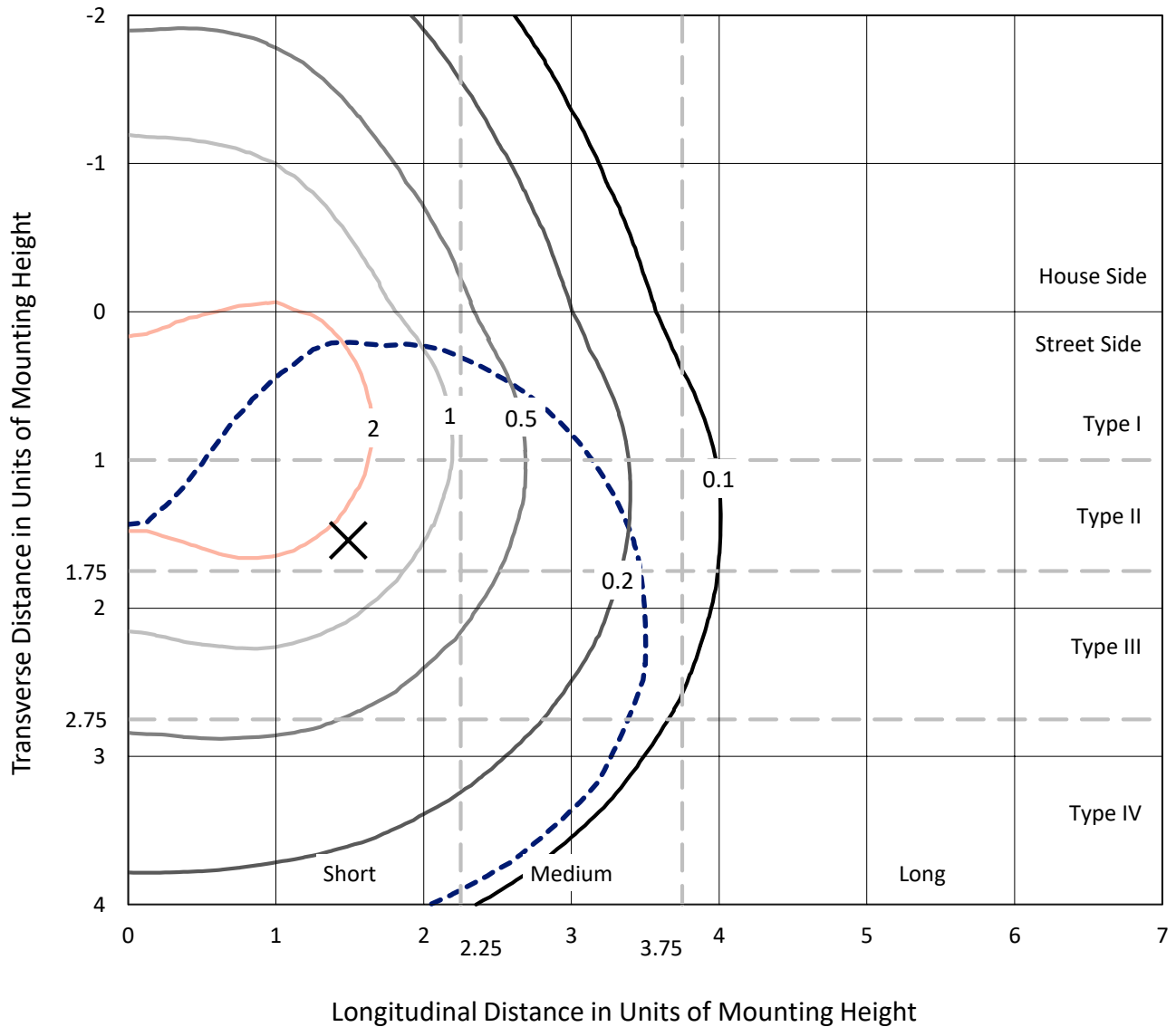
Input Watts (W): 66.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

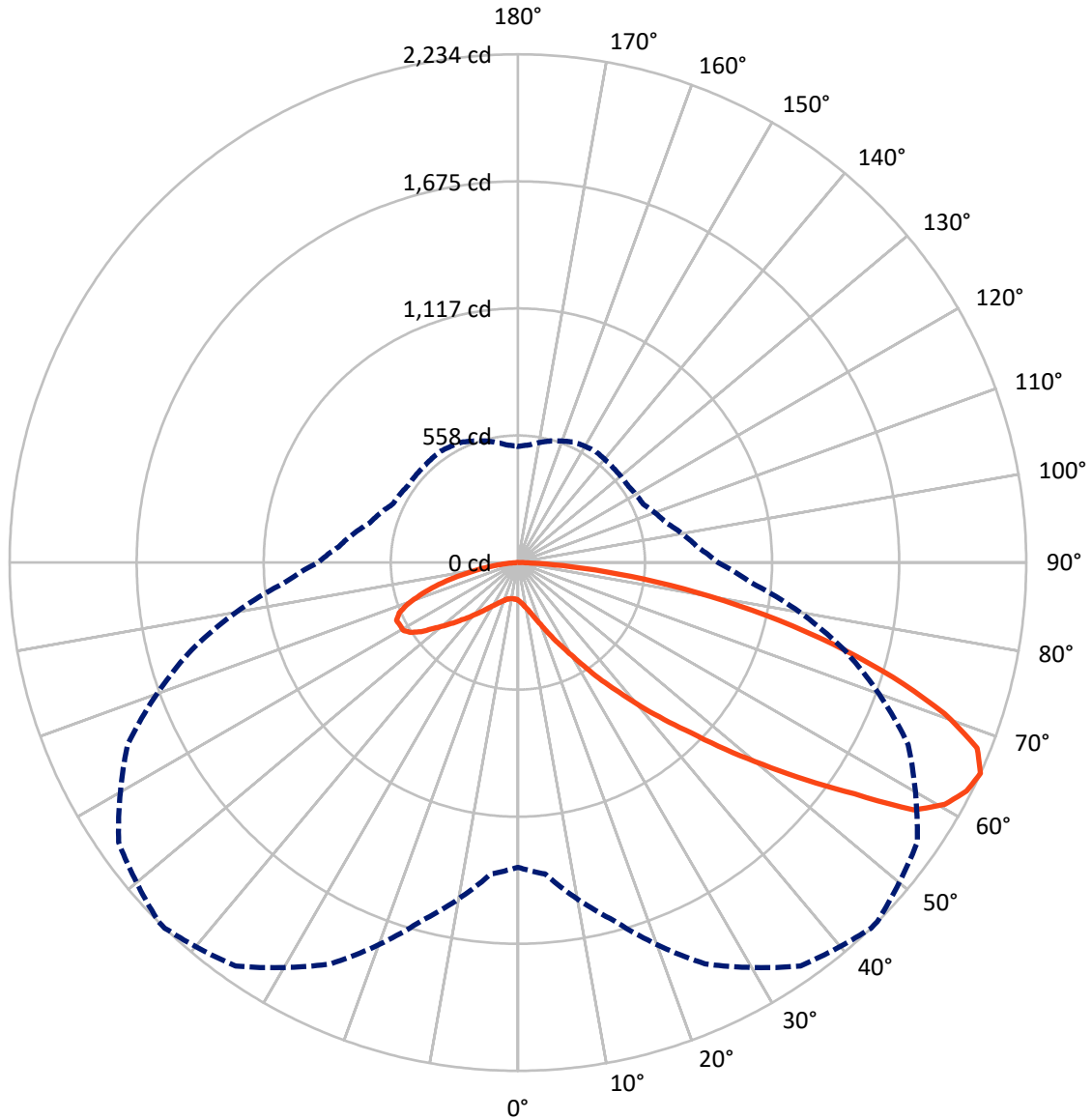
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.8 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 44-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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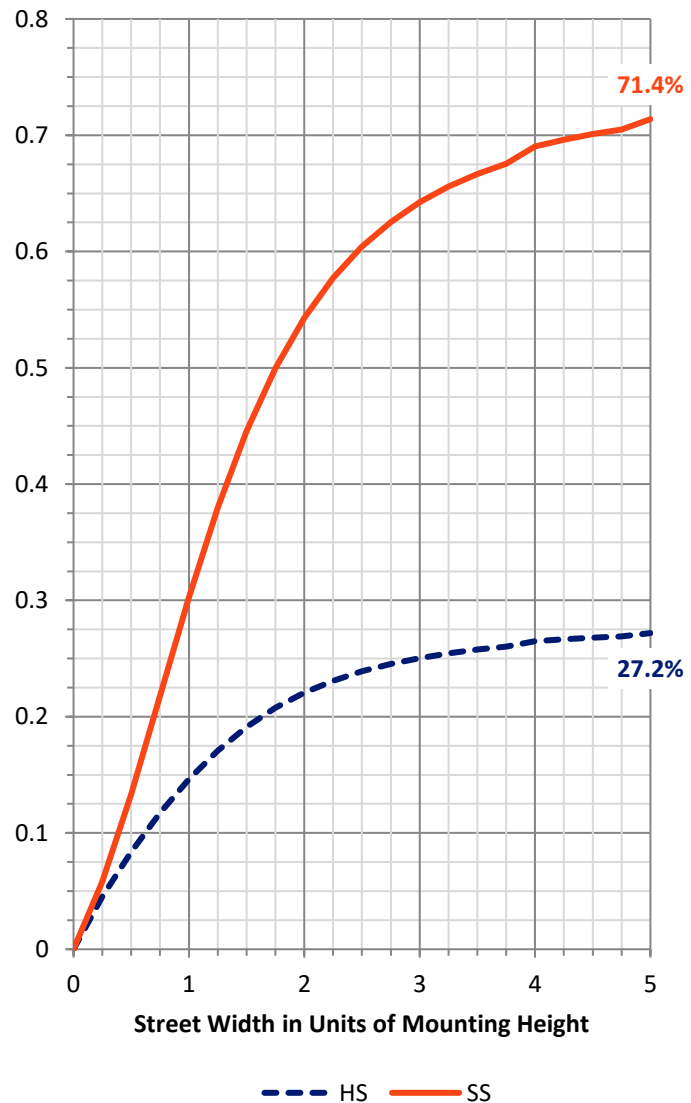
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1100.3	0.0	1100.3
	% Fixture	27.4	0.0	27.4
Street Side	Lumens	2911.8	0.0	2911.8
	% Fixture	72.6	0.0	72.6
Total	Lumens	4012.1	0.0	4012.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.6	0.4
10°-20°	58.4	1.5
20°-30°	130.9	3.3
30°-40°	267.1	6.7
40°-50°	513.6	12.8
50°-60°	892.2	22.2
60°-70°	1142.7	28.5
70°-80°	818.3	20.4
80°-90°	172.1	4.3
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°	4012.1	100.0
0°-180°	4012.1	100.0



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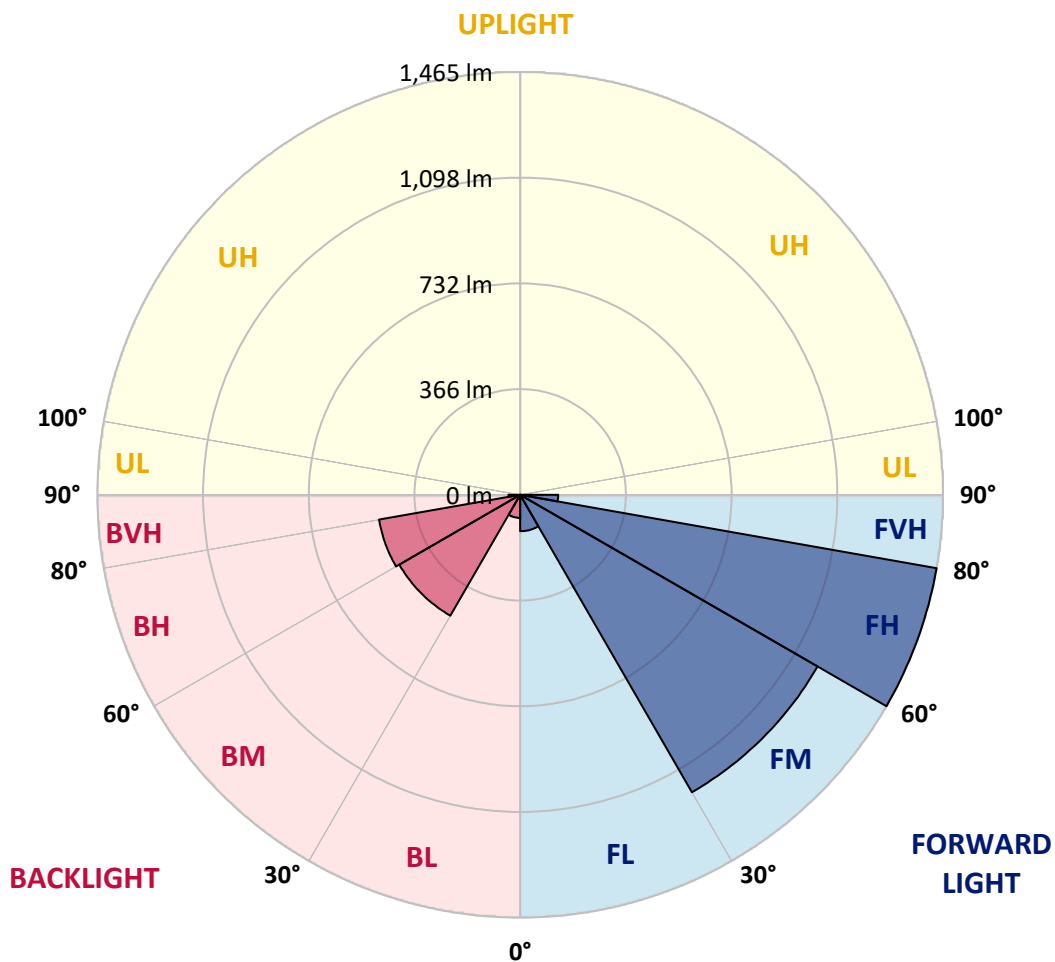
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	126.1	3.1			
FM (30°-60°)	1189.6	29.7			
FH (60°-80°)	1464.5	36.5			G1/1800
FVH (80°-90°)	131.6	3.3			G2/225
BL (0°-30°)	79.9	2.0	B0/110		
BM (30°-60°)	483.4	12.0	B1/1000		
BH (60°-80°)	496.5	12.4	B1/500		G1/500
BVH (80°-90°)	40.6	1.0			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2
2.5°	174.2	174.2	174.2	173.5	172.7	172.0	172.0	171.2	170.4	169.7	168.2
5°	184.8	184.0	184.0	182.5	181.8	180.2	180.2	178.7	176.5	174.2	172.0
7.5°	196.1	196.8	196.1	194.6	192.3	190.8	190.1	187.0	184.0	180.2	176.5
10°	209.7	210.4	210.4	208.9	206.6	202.9	202.9	198.3	193.8	189.3	182.5
12.5°	229.3	228.5	227.8	227.8	223.2	218.7	220.2	214.2	206.6	199.9	191.6
15°	247.4	248.9	250.4	246.6	243.6	239.1	238.3	230.8	222.5	212.7	202.1
17.5°	273.8	275.3	274.5	273.0	269.2	264.0	262.5	253.4	242.1	228.5	214.2
20°	307.7	308.5	305.4	303.9	300.9	294.1	291.9	281.3	266.2	247.4	230.0
22.5°	345.4	343.2	342.4	340.9	340.1	332.6	331.8	316.0	294.1	273.0	248.1
25°	377.8	380.1	381.6	383.9	383.1	375.6	375.6	357.5	331.1	302.4	270.7
27.5°	415.6	419.3	423.8	429.1	428.4	423.1	426.1	408.8	373.3	338.6	297.9
30°	456.3	462.3	469.9	482.7	486.4	481.2	481.2	459.3	424.6	377.8	328.1
32.5°	510.6	513.6	520.4	540.7	552.1	552.1	551.3	527.2	484.9	426.1	364.3
35°	567.1	567.9	586.0	610.9	625.2	636.5	631.2	607.9	560.4	488.0	410.3
37.5°	625.2	626.0	651.6	681.0	713.5	722.5	727.0	705.9	644.8	556.6	460.8
40°	683.3	693.1	723.3	764.0	812.2	830.3	828.1	809.2	736.1	632.0	515.9
42.5°	742.1	762.5	793.4	856.0	913.3	942.7	944.2	927.6	850.7	730.8	587.5
45°	812.2	825.1	872.6	945.0	1027.2	1065.7	1069.4	1061.9	989.5	851.5	673.5
47.5°	885.4	897.5	954.8	1046.0	1148.6	1226.3	1233.1	1226.3	1136.5	953.3	750.4
50°	965.3	969.9	1038.5	1160.7	1309.3	1394.5	1399.0	1402.0	1280.6	1084.5	825.1
52.5°	1040.0	1041.5	1129.8	1289.6	1479.7	1586.0	1591.3	1585.3	1489.5	1248.9	965.3
55°	1113.9	1115.4	1227.0	1437.5	1663.0	1794.9	1828.1	1831.1	1657.7	1354.5	1003.1
57.5°	1182.6	1189.3	1341.7	1584.5	1869.6	2051.4	2049.1	1998.6	1756.5	1394.5	1011.4
60°	1244.4	1266.3	1451.0	1749.7	2037.0	2156.9	2169.0	2058.2	1791.2	1411.8	1004.6
62.5°	1297.2	1321.3	1554.4	1880.9	2141.9	2212.8	2208.2	2082.3	1840.2	1472.2	1049.1
65°	1339.4	1374.1	1628.3	1945.8	2164.5	2233.9	2233.1	2142.6	1892.2	1485.0	1031.0
67.5°	1362.8	1416.3	1639.6	1947.3	2147.1	2176.6	2166.0	2053.6	1794.9	1402.8	943.5
70°	1375.6	1410.3	1612.4	1861.3	1997.8	1989.5	1991.8	1855.3	1627.5	1265.5	838.6
72.5°	1328.9	1357.5	1499.3	1675.8	1765.5	1723.3	1742.9	1617.7	1414.8	1079.2	706.7
75°	1212.7	1226.3	1294.9	1407.3	1455.6	1426.9	1426.9	1336.4	1141.8	885.4	570.9
77.5°	1015.1	1019.6	1046.0	1106.4	1120.0	1111.7	1109.4	1031.7	876.4	676.5	426.9
80°	725.5	742.1	753.4	779.8	808.5	796.4	780.6	718.0	613.1	463.1	294.1
82.5°	450.2	451.8	463.1	480.4	484.9	500.8	498.5	448.7	370.3	276.8	172.0
85°	210.4	206.6	217.2	229.3	236.1	235.3	240.6	216.4	171.2	126.7	78.4
87.5°	33.2	46.8	49.8	49.0	54.3	55.1	57.3	52.0	35.4	24.9	18.9
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2	165.2
2.5°	167.4	167.4	165.9	164.4	162.9	162.1	161.4	160.6	160.6	159.9	159.9
5°	171.2	169.7	167.4	165.2	162.9	161.4	159.9	159.1	157.6	156.9	156.9
7.5°	174.2	172.7	168.9	165.9	162.9	160.6	158.4	156.9	156.1	155.4	155.4
10°	180.2	177.2	172.7	167.4	163.7	160.6	158.4	156.9	156.1	155.4	155.4
12.5°	188.5	184.0	176.5	171.2	165.9	162.1	159.9	158.4	156.9	156.9	156.1
15°	197.6	192.3	183.3	175.0	168.9	165.2	162.1	161.4	159.9	159.9	159.9
17.5°	208.2	202.1	190.8	181.0	174.2	169.7	166.7	165.2	164.4	165.2	165.9
20°	221.7	213.4	199.1	188.5	180.2	175.7	173.5	171.2	171.2	172.7	172.7
22.5°	237.6	227.8	210.4	197.6	189.3	183.3	181.8	180.2	179.5	181.0	181.0
25°	254.2	242.8	222.5	208.2	198.3	193.1	191.6	190.1	190.8	191.6	189.3
27.5°	279.8	264.0	237.6	221.0	209.7	204.4	202.1	201.4	202.1	202.9	201.4
30°	303.9	285.1	255.7	236.1	221.7	216.4	214.2	214.2	214.9	214.9	214.9
32.5°	337.1	313.7	276.0	252.6	238.3	231.5	230.8	230.8	229.3	230.0	229.3
35°	376.3	348.4	303.9	275.3	258.7	251.1	248.9	247.4	247.4	247.4	247.4
37.5°	418.6	384.6	332.6	300.9	282.1	273.0	268.5	266.2	267.0	267.0	265.5
40°	466.1	426.9	366.5	327.3	310.0	296.4	291.1	288.9	288.1	286.6	282.8
42.5°	529.4	479.7	408.0	361.3	335.6	325.8	316.0	311.5	307.7	307.0	300.9
45°	604.1	550.5	461.6	409.5	375.6	353.7	343.9	336.4	329.6	327.3	322.8
47.5°	665.9	601.1	509.1	451.0	413.3	390.7	374.8	363.5	354.5	349.2	350.7
50°	735.3	662.9	563.4	490.2	453.3	429.1	414.0	395.2	381.6	373.3	376.3
52.5°	849.2	768.5	638.8	558.1	494.7	470.6	451.0	429.1	411.0	399.7	405.7
55°	880.9	796.4	675.0	601.1	552.1	525.7	496.2	469.1	443.5	428.4	428.4
57.5°	879.4	794.1	678.0	613.1	584.5	565.6	543.8	509.8	476.6	454.8	453.3
60°	868.1	782.8	670.5	604.9	583.0	586.8	577.7	549.0	509.8	479.7	475.1
62.5°	897.5	810.7	690.1	613.1	581.5	585.2	592.8	576.2	537.7	500.0	495.5
65°	878.6	791.1	674.2	607.1	589.8	590.5	595.8	583.7	552.8	518.1	510.6
67.5°	801.7	724.8	620.7	562.6	551.3	564.9	581.5	577.7	551.3	527.9	518.9
70°	704.4	636.5	547.5	499.3	491.0	510.6	538.5	543.8	536.2	521.1	518.1
72.5°	596.6	537.0	461.6	425.4	422.3	437.4	465.3	483.4	488.7	495.5	495.5
75°	478.9	432.1	367.3	342.4	342.4	359.0	381.6	405.0	419.3	437.4	442.7
77.5°	363.5	322.8	276.8	255.7	255.7	270.7	288.1	307.0	331.1	356.0	352.2
80°	248.9	222.5	189.3	178.7	176.5	184.8	199.9	212.7	233.8	250.4	260.2
82.5°	142.5	133.5	113.9	104.8	104.1	114.6	125.2	126.7	141.0	150.8	153.9
85°	67.9	59.6	55.8	49.8	50.5	52.8	56.6	59.6	63.4	67.1	67.1
87.5°	15.1	14.3	12.8	13.6	13.6	12.1	13.6	12.8	14.3	15.1	13.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)