

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: P198212

Luminaire Tested: **TT-C2-LED-E1-T4-PM-CG-MS/DIM-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198212
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34708)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C2-LED-E1-T4-PM-CG-MS/DIM-7060
Description: TOPTIER LED AREA/SITE LUMINAIRE
DRIVE LANE DISTRIBUTION WITH CLEAR GLASS LENS AND DIMMING OCCUPANCY SENSOR
Light Source: (160) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3459.1 lumens
Efficiency: N/A
Efficacy: 83.6 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G1

Input Watts (W): 41.4
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

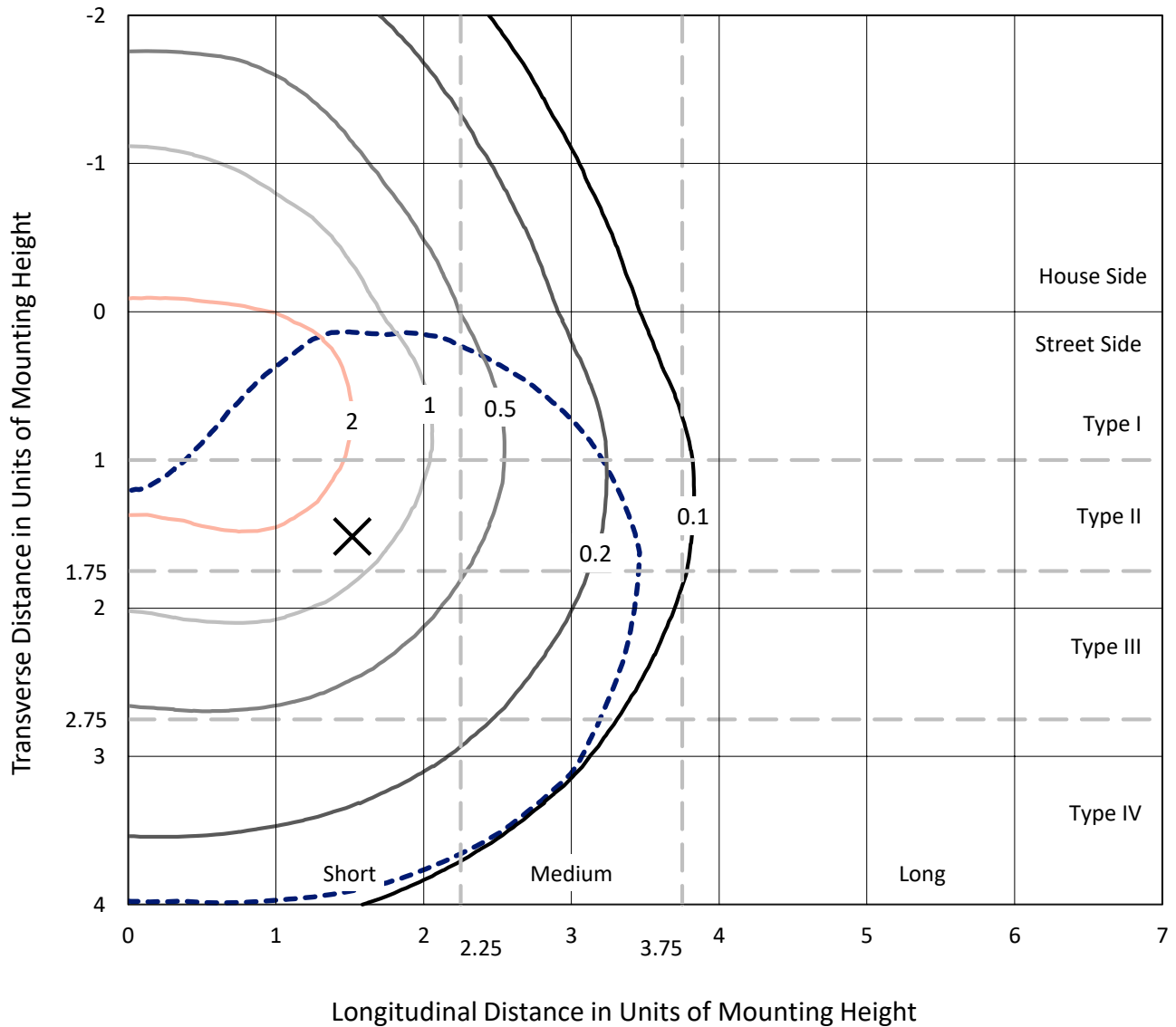


REPORT NUMBER: P198212

CATALOG NUMBER: TT-C2-LED-E1-T4-PM-CG-MS/DIM-7060

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

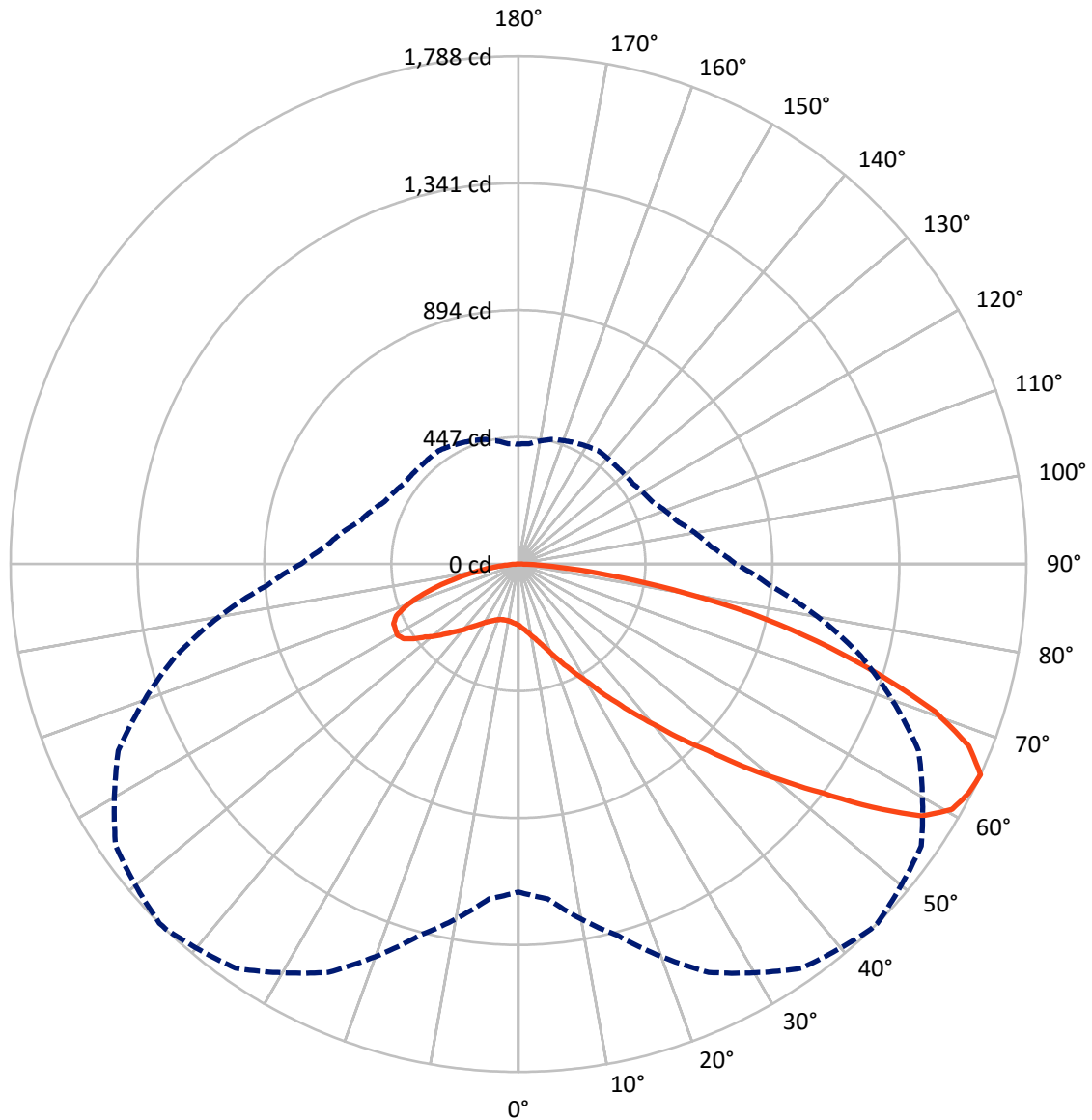


Based on 10 foot mounting height. Maximum calculated value = 3.4 fc
 Type IV - Short - Semi-Cutoff

REPORT NUMBER: P198212

CATALOG NUMBER: TT-C2-LED-E1-T4-PM-CG-MS/DIM-7060

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P198212

CATALOG NUMBER: TT-C2-LED-E1-T4-PM-CG-MS/DIM-7060

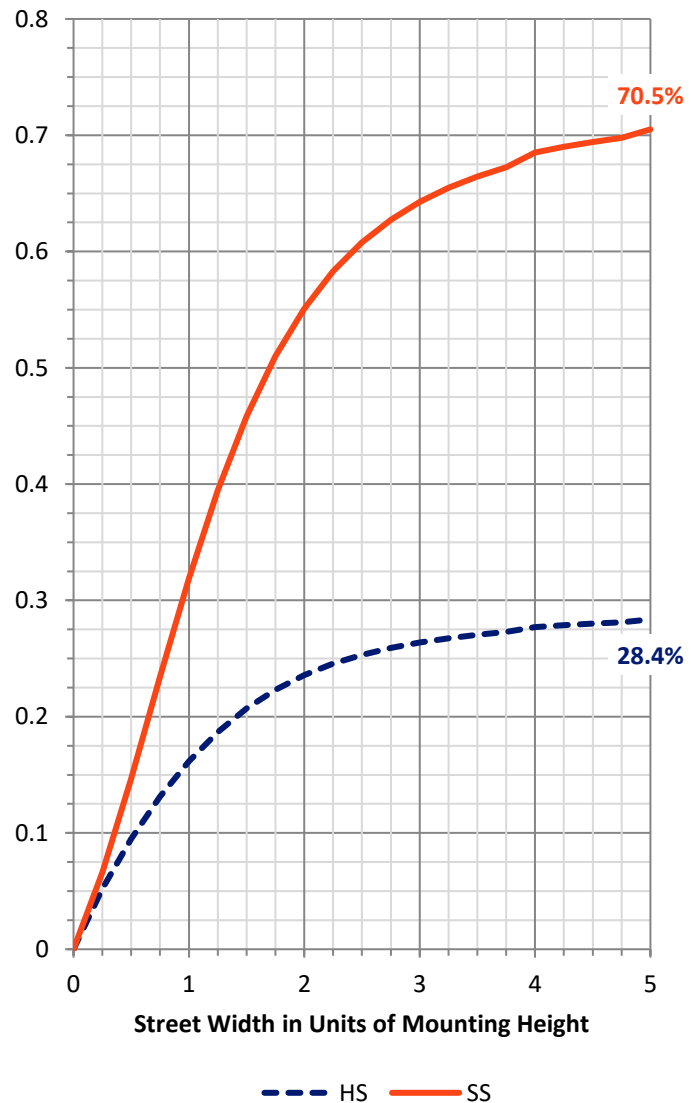
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	990.5	0.0	990.5
	% Fixture	28.6	0.0	28.6
Street Side	Lumens	2468.6	0.0	2468.6
	% Fixture	71.4	0.0	71.4
Total	Lumens	3459.1	0.0	3459.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.4	0.6
10°-20°	70.8	2.0
20°-30°	143.8	4.2
30°-40°	264.6	7.6
40°-50°	468.6	13.5
50°-60°	768.7	22.2
60°-70°	944.5	27.3
70°-80°	649.9	18.8
80°-90°	126.9	3.7
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°	3459.1	100.0
0°-180°	3459.1	100.0



REPORT NUMBER: P198212

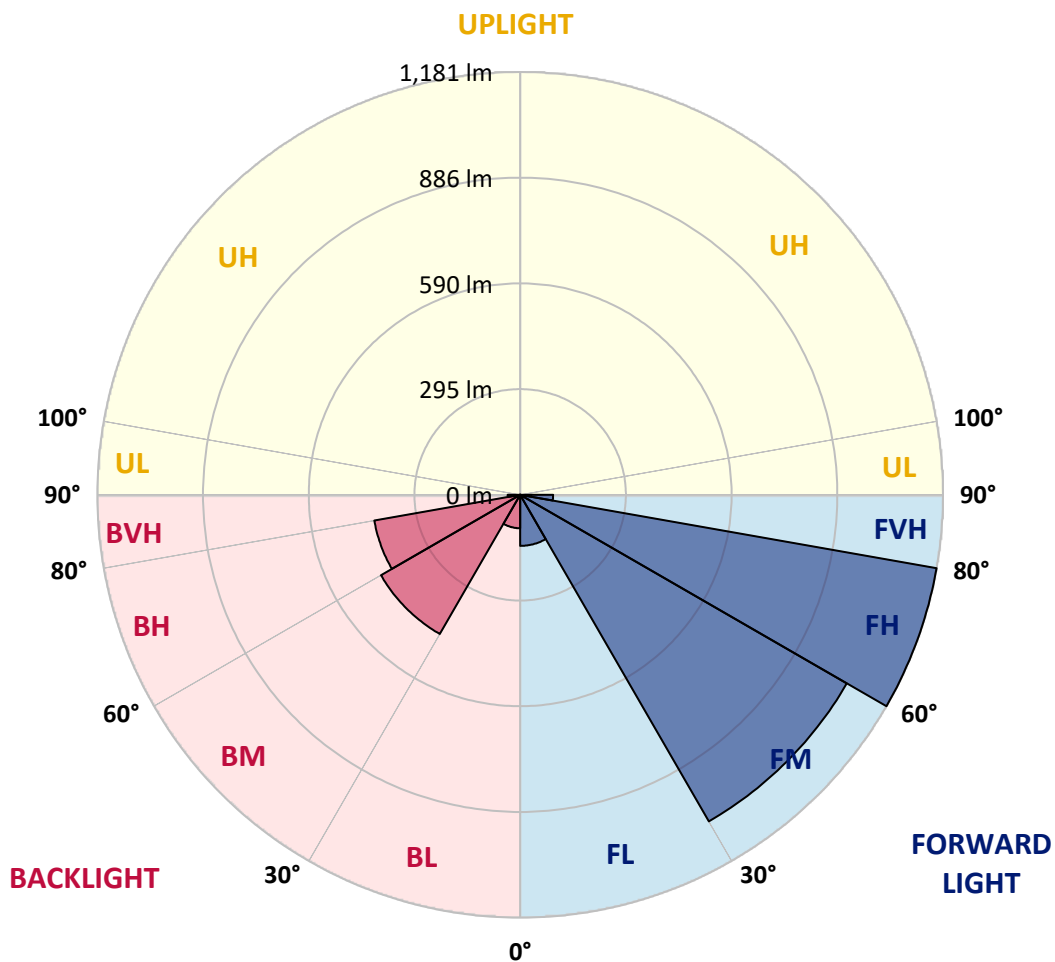
CATALOG NUMBER: TT-C2-LED-E1-T4-PM-CG-MS/DIM-7060

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	142.6	4.1			
FM	(30°-60°)	1053.1	30.4			
FH	(60°-80°)	1180.7	34.1			G1/1800
FVH	(80°-90°)	92.1	2.7			G1/100
BL	(0°-30°)	93.3	2.7	B0/110		
BM	(30°-60°)	448.8	13.0	B1/1000		
BH	(60°-80°)	413.6	12.0	B1/500		G1/500
BVH	(80°-90°)	34.7	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-G1

Type IV Short





REPORT NUMBER: P198212

CATALOG NUMBER: TT-C2-LED-E1-T4-PM-CG-MS/DIM-7060

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	215.6	215.6	215.6	215.6	215.6	215.6	215.6	215.6	215.6	215.6	215.6
2.5°	227.4	227.4	226.7	226.0	225.3	224.6	224.6	223.3	221.9	220.5	219.1
5°	239.2	238.6	238.6	237.9	236.5	233.7	233.0	231.6	228.8	225.3	222.6
7.5°	251.8	251.8	251.8	249.7	246.9	244.8	243.4	240.6	236.5	231.6	226.7
10°	266.4	267.1	265.7	264.3	261.5	257.3	257.3	251.8	245.5	239.2	233.0
12.5°	283.8	284.5	284.5	281.7	276.1	272.6	271.2	265.0	257.3	249.0	239.9
15°	301.8	304.6	303.2	301.8	295.6	290.7	289.3	279.6	271.2	260.1	249.0
17.5°	330.4	329.0	326.2	322.7	319.2	312.3	310.9	300.4	287.9	274.0	259.4
20°	356.8	356.8	354.0	351.2	347.0	337.3	338.7	324.8	308.1	291.4	271.9
22.5°	386.0	386.7	384.6	381.8	378.3	370.7	368.6	354.0	332.4	310.2	287.2
25°	415.2	416.6	418.0	418.0	413.1	404.1	402.7	383.9	361.7	332.4	304.6
27.5°	450.0	453.5	452.1	453.5	451.4	440.9	440.9	421.5	396.4	360.3	324.1
30°	482.7	486.8	488.9	494.5	494.5	488.2	483.4	465.3	435.4	392.9	349.1
32.5°	525.8	525.8	530.0	541.8	548.0	539.0	541.8	521.6	482.0	431.9	377.6
35°	569.6	569.6	577.3	593.2	599.5	601.6	601.6	576.6	536.9	477.1	412.4
37.5°	615.5	616.9	631.5	653.1	671.1	669.1	671.8	651.7	605.1	530.7	452.8
40°	661.4	665.6	688.5	713.6	744.2	753.9	749.7	737.2	678.8	593.9	498.0
42.5°	711.5	719.1	744.9	783.8	816.5	842.9	843.6	823.5	765.7	667.7	552.2
45°	763.6	775.5	802.6	853.4	906.2	937.5	936.8	938.9	881.2	759.5	621.8
47.5°	823.5	831.1	869.4	931.3	1002.2	1064.8	1064.1	1062.0	987.6	844.3	676.7
50°	883.3	887.4	939.6	1029.3	1124.6	1185.8	1193.5	1201.1	1100.3	950.7	744.2
52.5°	945.2	947.9	1012.6	1120.4	1256.7	1347.2	1337.4	1340.9	1264.4	1089.1	851.3
55°	1005.0	1005.7	1087.0	1238.7	1403.5	1496.7	1511.3	1527.3	1398.6	1164.2	883.3
57.5°	1056.4	1062.0	1170.5	1356.9	1553.7	1681.0	1674.0	1653.9	1473.0	1194.1	888.1
60°	1101.0	1114.2	1253.3	1466.8	1668.5	1746.4	1754.0	1685.9	1496.7	1206.7	882.6
62.5°	1133.6	1155.2	1325.6	1550.2	1735.2	1783.2	1778.4	1699.8	1536.3	1256.0	916.6
65°	1154.5	1183.0	1354.8	1586.4	1737.3	1786.7	1788.1	1731.1	1554.4	1247.7	892.3
67.5°	1156.6	1196.9	1345.8	1561.4	1704.6	1717.8	1710.2	1626.0	1471.0	1171.2	822.8
70°	1140.6	1170.5	1301.3	1466.8	1567.6	1560.0	1555.1	1467.5	1320.7	1058.5	733.0
72.5°	1078.0	1099.6	1189.3	1305.4	1350.6	1346.5	1326.3	1259.5	1141.3	906.2	620.4
75°	953.5	968.1	1007.8	1071.0	1112.8	1098.2	1085.7	1021.0	922.9	740.0	492.4
77.5°	784.5	768.5	788.7	813.7	834.6	839.5	836.7	770.6	699.7	557.1	374.9
80°	549.4	544.6	542.5	553.6	572.4	565.4	554.3	528.6	472.9	379.7	262.9
82.5°	326.2	320.6	318.5	324.1	314.4	315.8	316.4	290.0	275.4	231.6	150.9
85°	144.0	144.0	140.5	140.5	139.8	140.5	144.0	134.9	125.9	105.0	72.3
87.5°	21.6	19.5	27.1	25.0	29.2	33.4	30.6	29.2	24.3	18.8	14.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P198212

CATALOG NUMBER: TT-C2-LED-E1-T4-PM-CG-MS/DIM-7060

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	215.6	215.6	215.6	215.6	215.6	215.6	215.6	215.6	215.6	215.6	215.6
2.5°	218.4	217.7	215.6	214.2	212.1	210.7	209.3	208.6	208.6	208.0	208.6
5°	221.2	219.8	216.3	213.5	210.7	208.6	206.6	204.5	203.1	202.4	202.4
7.5°	223.9	221.9	217.0	212.8	208.6	205.2	202.4	201.0	198.9	198.2	197.5
10°	228.8	226.0	219.1	212.8	208.0	203.1	199.6	197.5	196.1	195.4	195.4
12.5°	235.8	230.9	222.6	214.9	208.0	202.4	198.2	195.4	194.0	192.6	193.3
15°	242.7	237.2	226.7	216.3	208.6	203.1	198.2	195.4	193.3	192.6	192.0
17.5°	251.8	245.5	233.0	221.2	211.4	204.5	199.6	196.8	194.7	194.0	194.0
20°	263.6	255.2	239.2	226.0	215.6	208.0	202.4	199.6	197.5	197.5	197.5
22.5°	275.4	265.0	246.2	231.6	220.5	212.1	207.3	204.5	202.4	201.7	202.4
25°	289.3	277.5	255.9	238.6	226.7	219.1	214.2	210.7	208.6	208.6	208.6
27.5°	308.1	294.2	266.4	249.0	235.1	226.7	221.2	219.1	217.7	217.0	216.3
30°	329.0	310.9	281.7	259.4	245.5	236.5	231.6	229.5	227.4	226.0	225.3
32.5°	354.0	333.1	296.3	273.3	257.3	248.3	243.4	240.6	238.6	237.9	237.9
35°	385.3	359.6	317.1	290.0	271.9	262.2	257.3	254.5	252.5	251.8	252.5
37.5°	416.6	386.7	339.4	308.1	289.3	277.5	272.6	269.2	267.8	266.4	267.1
40°	454.8	418.0	365.1	330.4	308.1	298.4	290.7	286.5	284.5	282.4	281.0
42.5°	501.4	459.7	397.1	354.0	330.4	317.1	309.5	304.6	300.4	299.1	297.0
45°	560.6	509.8	438.9	383.9	355.4	338.7	329.7	323.4	317.1	315.8	313.7
47.5°	609.2	554.3	473.6	418.7	386.0	363.7	351.2	342.2	334.5	333.1	331.1
50°	663.5	601.6	506.3	447.9	411.0	392.3	376.3	363.7	355.4	351.2	352.6
52.5°	756.0	678.1	564.7	488.2	441.6	417.3	404.8	388.1	374.9	368.6	370.0
55°	776.2	702.4	596.0	527.2	481.3	452.8	430.5	413.8	397.1	386.0	385.3
57.5°	775.5	699.7	593.9	532.7	500.7	482.0	462.5	435.4	415.2	400.6	399.9
60°	766.4	689.2	583.5	523.0	500.1	494.5	484.1	463.9	431.2	415.2	411.7
62.5°	788.7	708.0	591.9	521.6	493.1	490.3	487.5	475.0	445.8	423.6	420.1
65°	765.0	683.0	579.3	519.5	492.4	486.8	487.5	470.8	454.2	425.6	422.2
67.5°	696.2	625.9	530.0	478.5	465.3	466.7	471.5	463.9	445.1	421.5	418.7
70°	619.7	555.0	470.1	424.2	414.5	422.2	435.4	436.1	423.6	404.8	405.5
72.5°	521.6	466.7	398.5	361.7	358.2	364.4	374.9	387.4	383.9	378.3	379.0
75°	422.9	378.3	316.4	292.1	291.4	296.3	310.2	319.9	326.9	329.0	333.8
77.5°	313.7	287.9	240.6	220.5	218.4	224.6	239.9	248.3	258.0	265.7	272.6
80°	219.8	196.1	165.5	150.2	153.0	157.2	166.9	177.3	184.3	190.6	190.6
82.5°	128.7	116.1	98.8	91.8	93.2	99.5	101.5	110.6	111.3	115.5	118.2
85°	60.5	52.2	47.3	46.6	46.6	47.3	51.5	52.2	52.9	54.2	59.8
87.5°	12.5	12.5	12.5	12.5	12.5	14.6	15.3	16.7	16.0	16.7	16.0
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)