

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: P198176

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P198176  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34704)  
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-MS/DIM-7060  
Description: TOPTIER LED AREA/SITE LUMINAIRE  
DRIVE LANE DISTRIBUTION WITH DIMMING OCCUPANCY SENSOR  
Light Source: (160) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3650.2 lumens  
Efficiency: N/A  
Efficacy: 88.2 lumens/watt  
Luminous Opening: Circular (Dia: 1.12' x H: 0')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B1 - U0 - G2

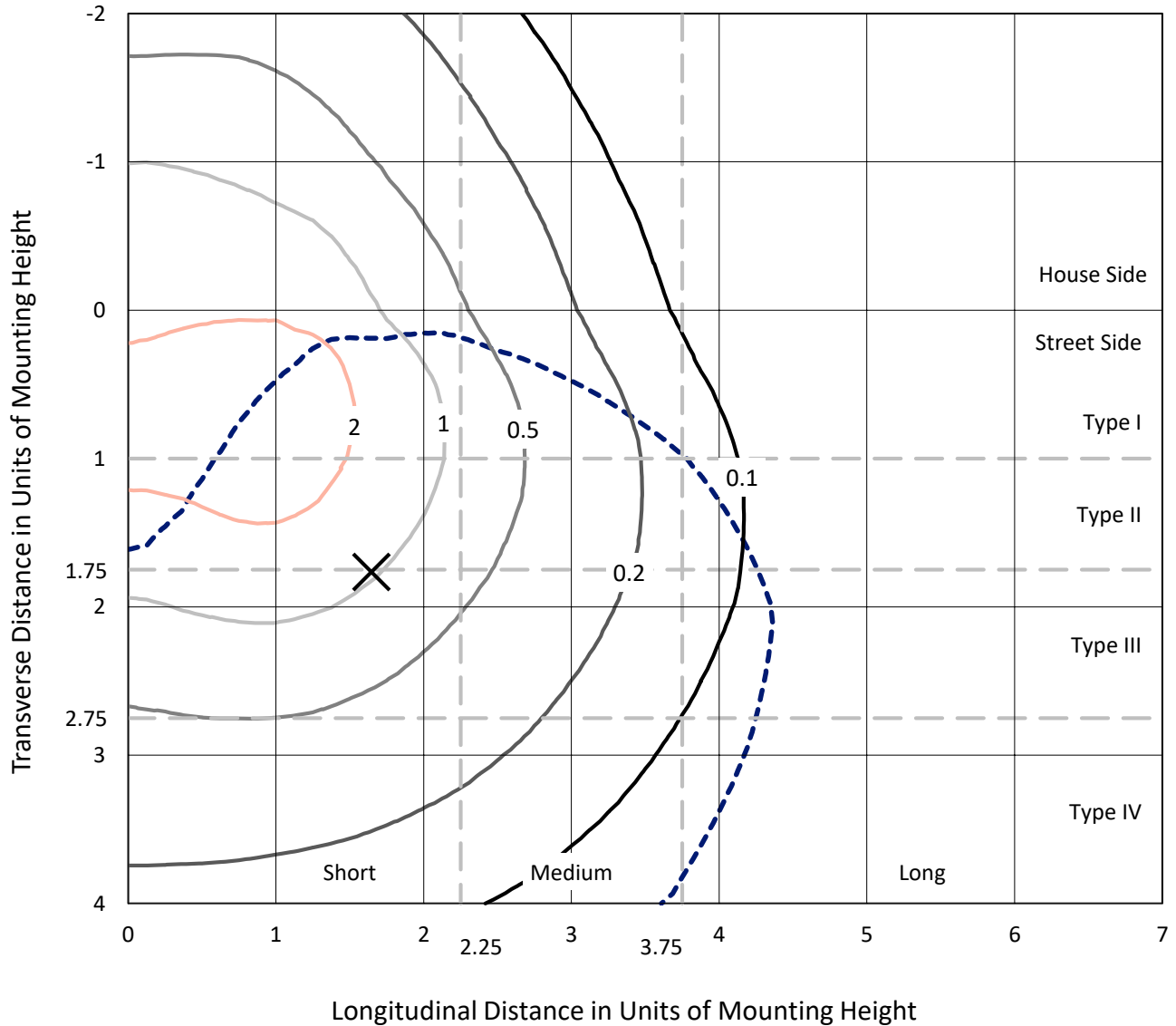
Input Watts (W): 41.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

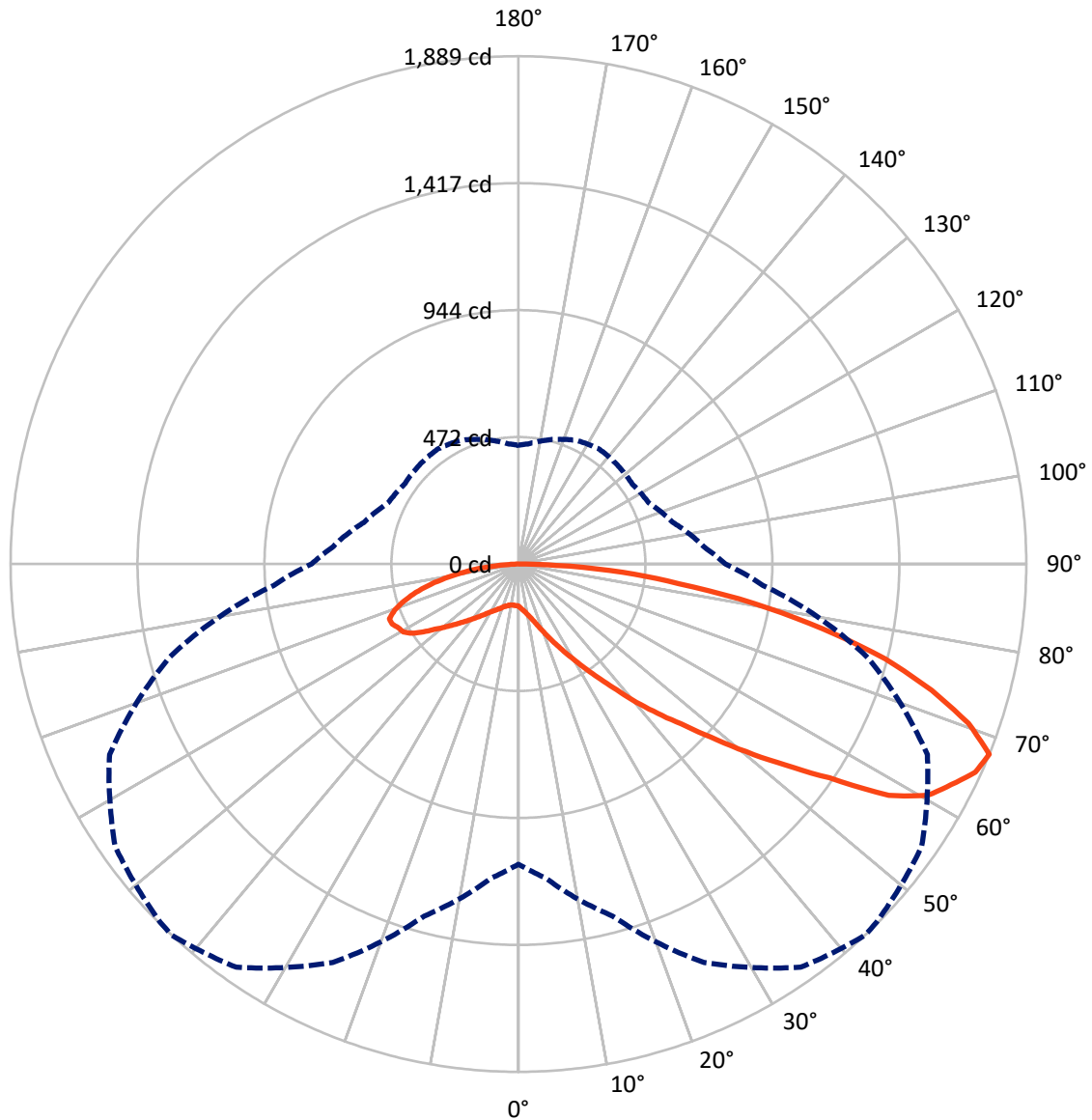
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.1 fc  
 Type IV - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 43-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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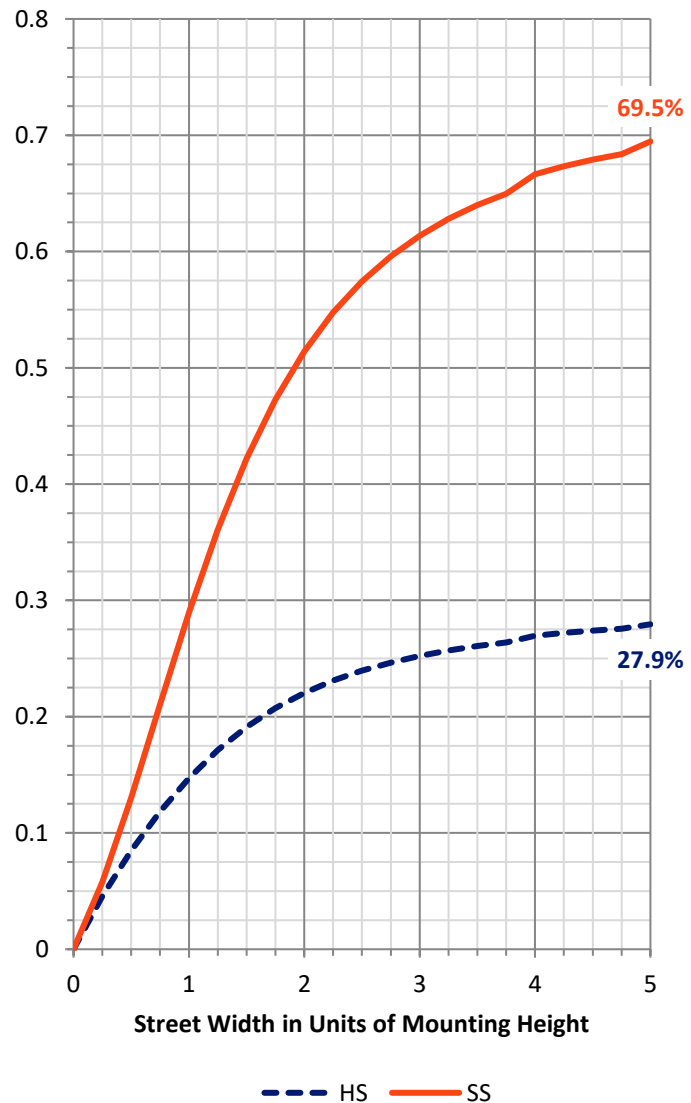
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1042.0	0.0	1042.0
	% Fixture	28.5	0.0	28.5
<b>Street Side</b>	Lumens	2608.3	0.0	2608.3
	% Fixture	71.5	0.0	71.5
<b>Total</b>	Lumens	3650.2	0.0	3650.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	15.9	0.4
10°-20°	55.3	1.5
20°-30°	119.8	3.3
30°-40°	231.4	6.3
40°-50°	424.8	11.6
50°-60°	733.7	20.1
60°-70°	992.1	27.2
70°-80°	830.9	22.8
80°-90°	246.3	6.7
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°	3650.2	100.0
0°-180°	3650.2	100.0



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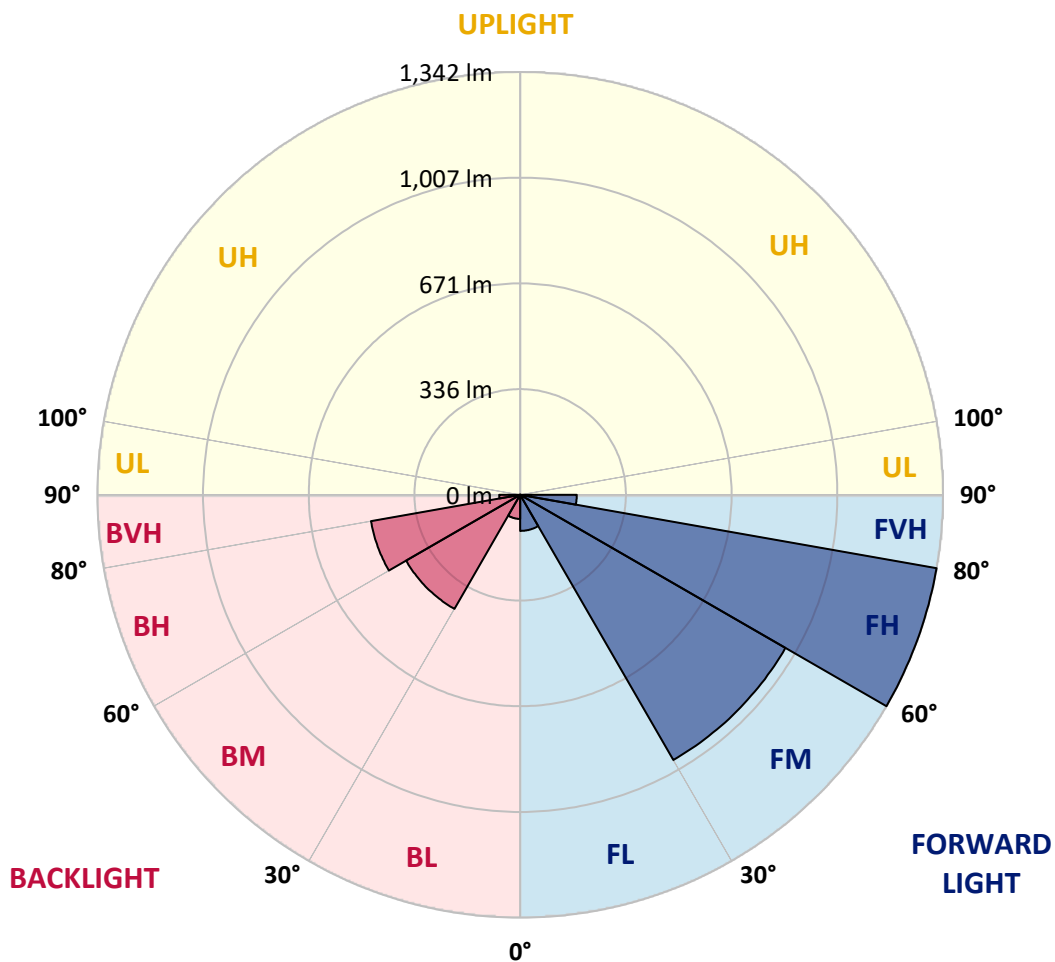
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	114.6	3.1			
FM (30°-60°)	971.9	26.6			
FH (60°-80°)	1342.1	36.8			G1/1800
FVH (80°-90°)	179.6	4.9			G2/225
BL (0°-30°)	76.4	2.1	B0/110		
BM (30°-60°)	418.0	11.5	B1/1000		
BH (60°-80°)	480.9	13.2	B1/500		G1/500
BVH (80°-90°)	66.7	1.8			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°	43°	45°	55°	65°	75°	85°
0°	157.2	157.2	157.2	157.2	157.2	157.2	157.2	157.2	157.2	157.2	157.2
2.5°	166.2	166.2	165.5	165.5	164.8	164.1	163.4	163.4	162.0	161.4	160.7
5°	175.3	175.3	175.3	173.9	172.5	171.8	171.8	169.7	167.6	165.5	163.4
7.5°	186.4	185.7	185.7	184.3	182.2	180.1	179.4	178.0	174.6	171.8	167.6
10°	198.9	198.9	198.9	196.1	194.0	192.0	190.6	187.8	183.6	178.7	174.6
12.5°	214.2	214.2	214.9	211.4	209.3	205.2	204.5	200.3	194.7	187.8	181.5
15°	231.6	234.4	232.3	232.3	225.3	223.3	221.9	217.0	209.3	200.3	192.0
17.5°	256.6	255.9	253.2	253.9	249.0	245.5	242.0	233.7	225.3	212.8	201.7
20°	285.1	283.8	280.3	278.9	276.1	269.8	268.5	257.3	244.1	230.9	216.3
22.5°	313.0	313.7	312.3	309.5	306.7	301.8	299.1	287.2	268.5	251.1	229.5
25°	340.8	343.6	343.6	345.7	340.8	334.5	332.4	318.5	297.7	271.2	248.3
27.5°	375.6	376.3	378.3	381.1	379.7	374.2	370.0	354.7	329.0	299.8	269.2
30°	410.3	413.1	414.5	420.1	421.5	417.3	413.1	395.7	369.3	331.1	292.1
32.5°	447.9	452.1	454.8	462.5	471.5	468.8	467.4	447.2	415.9	371.4	323.4
35°	490.3	491.0	500.1	517.4	525.1	526.5	523.0	509.1	470.8	418.0	358.2
37.5°	530.7	534.1	549.4	571.7	584.9	593.9	595.3	582.1	539.7	472.9	396.4
40°	575.2	577.3	602.3	625.9	661.4	676.0	672.5	658.6	612.7	536.2	441.6
42.5°	621.1	628.0	651.7	690.6	734.4	758.8	765.0	748.3	702.4	611.3	500.1
45°	665.6	676.7	702.4	753.2	818.6	847.8	854.1	862.4	819.3	705.2	577.9
47.5°	714.3	720.5	759.5	826.9	898.6	961.2	979.2	985.5	919.4	793.5	632.9
50°	765.0	766.4	820.7	912.5	1024.4	1096.8	1098.2	1130.2	1046.0	905.5	700.4
52.5°	819.3	820.7	884.7	1002.9	1150.3	1240.7	1258.8	1269.3	1226.1	1050.9	824.8
55°	872.8	876.3	955.6	1125.3	1308.2	1403.5	1445.9	1491.1	1388.9	1163.5	870.1
57.5°	929.2	936.1	1052.3	1258.8	1482.1	1624.7	1646.2	1653.2	1493.2	1208.8	884.0
60°	980.6	995.9	1153.1	1388.2	1628.8	1748.5	1751.2	1710.9	1532.8	1235.2	884.7
62.5°	1034.2	1053.7	1245.6	1512.0	1741.5	1806.9	1813.8	1749.1	1602.4	1323.5	945.9
65°	1074.5	1110.7	1315.2	1598.9	1786.0	1867.4	1879.9	1861.8	1711.6	1383.3	966.7
67.5°	1116.3	1173.3	1355.5	1635.1	1830.5	1888.9	1884.1	1831.2	1678.2	1344.4	913.9
70°	1169.1	1210.8	1386.8	1622.6	1766.5	1775.6	1775.6	1710.2	1572.5	1266.5	849.2
72.5°	1190.0	1222.7	1352.0	1522.4	1610.0	1607.3	1594.7	1558.6	1428.5	1146.9	753.2
75°	1167.7	1171.9	1231.7	1335.3	1401.4	1408.4	1393.8	1343.0	1240.7	994.5	644.7
77.5°	1047.4	1037.7	1051.6	1103.0	1161.5	1156.6	1154.5	1096.8	1017.5	820.7	529.3
80°	824.8	830.4	831.1	840.8	876.3	888.8	875.6	831.8	778.2	638.5	409.6
82.5°	566.8	575.9	584.2	571.7	587.0	600.9	598.8	557.1	539.7	447.9	283.1
85°	305.3	326.9	331.7	338.7	372.8	389.5	383.2	351.9	327.6	276.8	171.1
87.5°	61.9	50.8	72.3	102.9	130.1	140.5	157.9	118.9	94.6	69.5	38.9
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°	157.2	157.2	157.2	157.2	157.2	157.2	157.2	157.2	157.2	157.2	157.2
2.5°	160.0	159.3	158.6	157.2	155.8	155.1	154.4	153.7	153.7	153.7	153.7
5°	162.7	162.0	160.0	158.6	156.5	155.1	153.7	153.0	151.6	150.9	151.6
7.5°	166.2	164.8	161.4	158.6	156.5	154.4	153.0	152.3	151.6	150.2	150.2
10°	171.8	169.7	164.8	160.7	157.9	155.1	153.0	152.3	151.6	150.9	150.9
12.5°	179.4	175.3	169.7	164.8	160.0	156.5	155.1	153.7	153.0	153.0	153.0
15°	187.1	183.6	176.0	168.3	163.4	160.7	158.6	156.5	156.5	156.5	156.5
17.5°	197.5	191.3	182.2	173.9	168.3	164.1	162.7	161.4	161.4	162.0	162.0
20°	208.6	201.7	190.6	181.5	174.6	169.7	168.3	167.6	167.6	168.3	168.3
22.5°	221.2	212.8	198.9	188.5	181.5	178.0	175.3	175.3	175.3	176.0	176.7
25°	237.9	226.0	209.3	197.5	189.2	185.0	183.6	183.6	183.6	185.0	185.0
27.5°	255.2	242.7	221.2	206.6	198.2	194.0	192.0	192.6	193.3	194.0	194.0
30°	275.4	260.8	234.4	219.1	208.6	203.8	201.7	202.4	203.1	204.5	203.1
32.5°	300.4	282.4	252.5	232.3	220.5	215.6	214.2	214.9	214.9	214.9	215.6
35°	333.8	310.9	274.0	248.3	236.5	229.5	228.1	228.1	228.1	227.4	227.4
37.5°	366.5	337.3	295.6	269.8	254.5	246.2	242.0	242.0	242.0	242.0	242.0
40°	404.8	370.7	323.4	292.8	274.7	264.3	258.7	256.6	255.9	255.2	253.9
42.5°	454.2	415.2	355.4	317.8	296.3	285.1	276.8	272.6	269.8	269.2	267.1
45°	520.2	472.2	403.4	354.7	323.4	308.1	298.4	290.0	285.1	283.8	280.3
47.5°	568.9	513.3	436.8	386.7	354.0	334.5	319.9	308.8	301.8	298.4	296.3
50°	619.7	567.5	483.4	421.5	388.1	365.8	347.0	331.7	319.2	314.4	313.7
52.5°	731.0	661.4	547.3	470.8	422.9	397.8	378.3	360.3	340.8	332.4	334.5
55°	765.7	693.4	587.0	518.8	469.5	440.2	412.4	388.8	366.5	351.9	352.6
57.5°	769.9	696.2	595.3	534.8	501.4	477.8	453.5	420.8	393.6	373.5	372.8
60°	764.3	691.3	593.2	532.7	507.7	500.7	485.4	456.9	418.0	394.3	391.6
62.5°	808.2	730.3	615.5	540.4	509.1	506.3	501.4	484.8	445.1	414.5	409.6
65°	816.5	735.1	627.3	560.6	531.4	520.9	515.4	495.9	470.1	431.2	427.7
67.5°	769.2	696.2	595.3	535.5	517.4	520.9	522.3	507.7	479.2	448.6	441.6
70°	712.9	639.8	552.9	495.2	482.7	489.6	502.8	502.8	482.0	456.2	456.9
72.5°	628.7	569.6	490.3	448.6	436.1	445.1	460.4	472.2	466.7	457.6	458.3
75°	538.3	486.8	421.5	390.9	381.8	392.9	408.2	422.2	430.5	436.8	440.9
77.5°	443.0	404.8	349.8	320.6	320.6	331.1	345.7	358.2	372.1	388.1	390.9
80°	340.8	310.2	269.8	249.7	251.8	260.1	275.4	286.5	294.9	308.8	310.9
82.5°	240.6	222.6	188.5	173.9	177.3	188.5	195.4	203.1	209.3	212.8	217.0
85°	141.9	128.0	112.7	107.8	107.8	112.0	121.0	122.4	123.1	123.8	123.1
87.5°	35.5	38.9	33.4	32.7	32.7	35.5	34.1	36.9	36.9	38.3	35.5
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)