

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: P92749

Luminaire Tested: **LRC-B16-7-LED-E1-WST**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P92749  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P22279)  
Test Lab: INNOVATION CENTER P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: LRC-B16-7-LED-E1-WST  
Description: LRC CANOPY LUMINAIRE  
Light Source: -  
Ballast/Driver: -

**Summary**

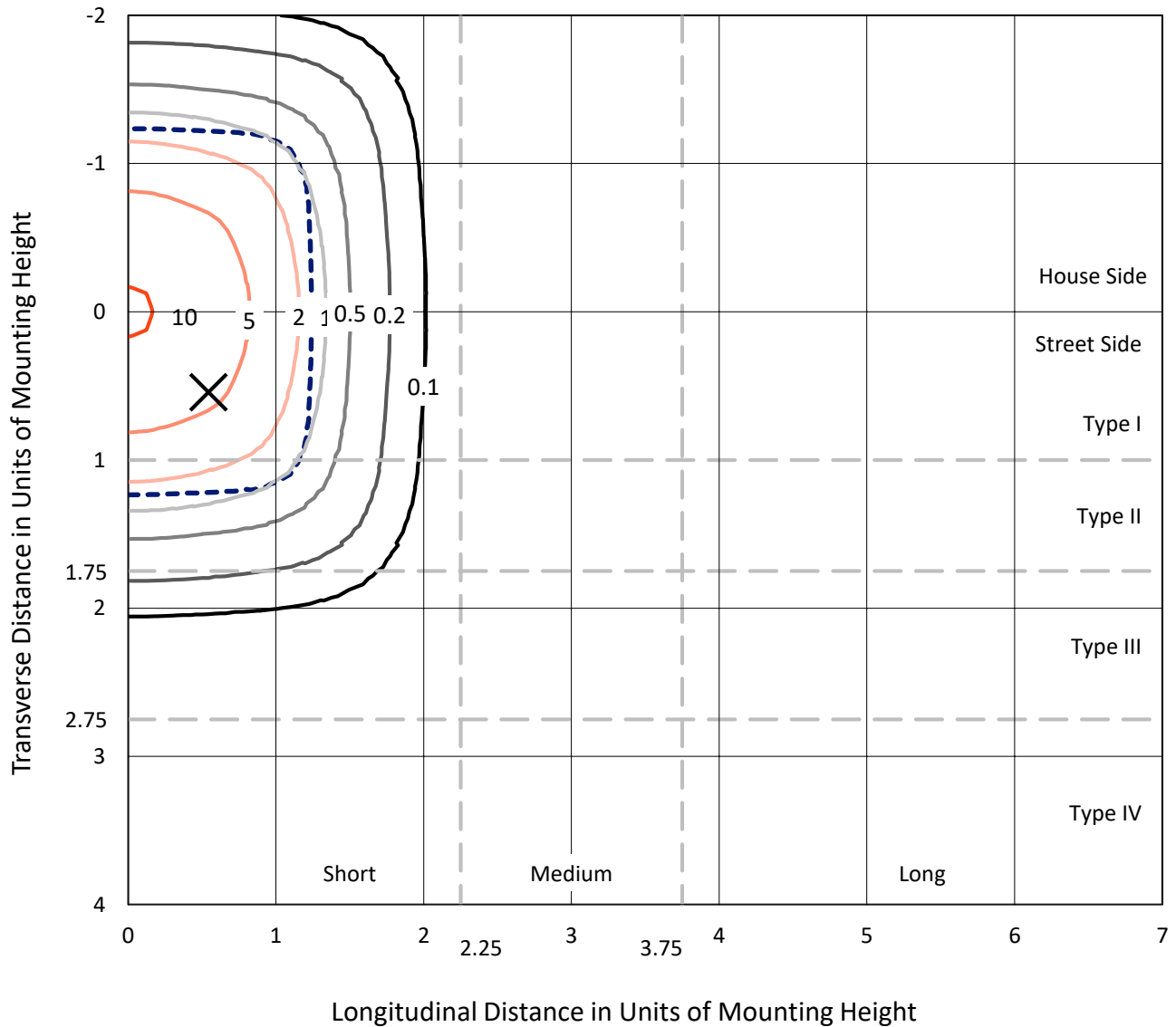
Lumens per Lamp: N/A  
Luminaire Lumens: 3026.4 lumens  
Efficiency: N/A  
Efficacy: 82.2 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.9' x L: 0.9' x H: 0.1')  
IES Classification: Type V - Short - Full Cutoff  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 36.8  
Input Voltage (V): NR  
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: P92749  
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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

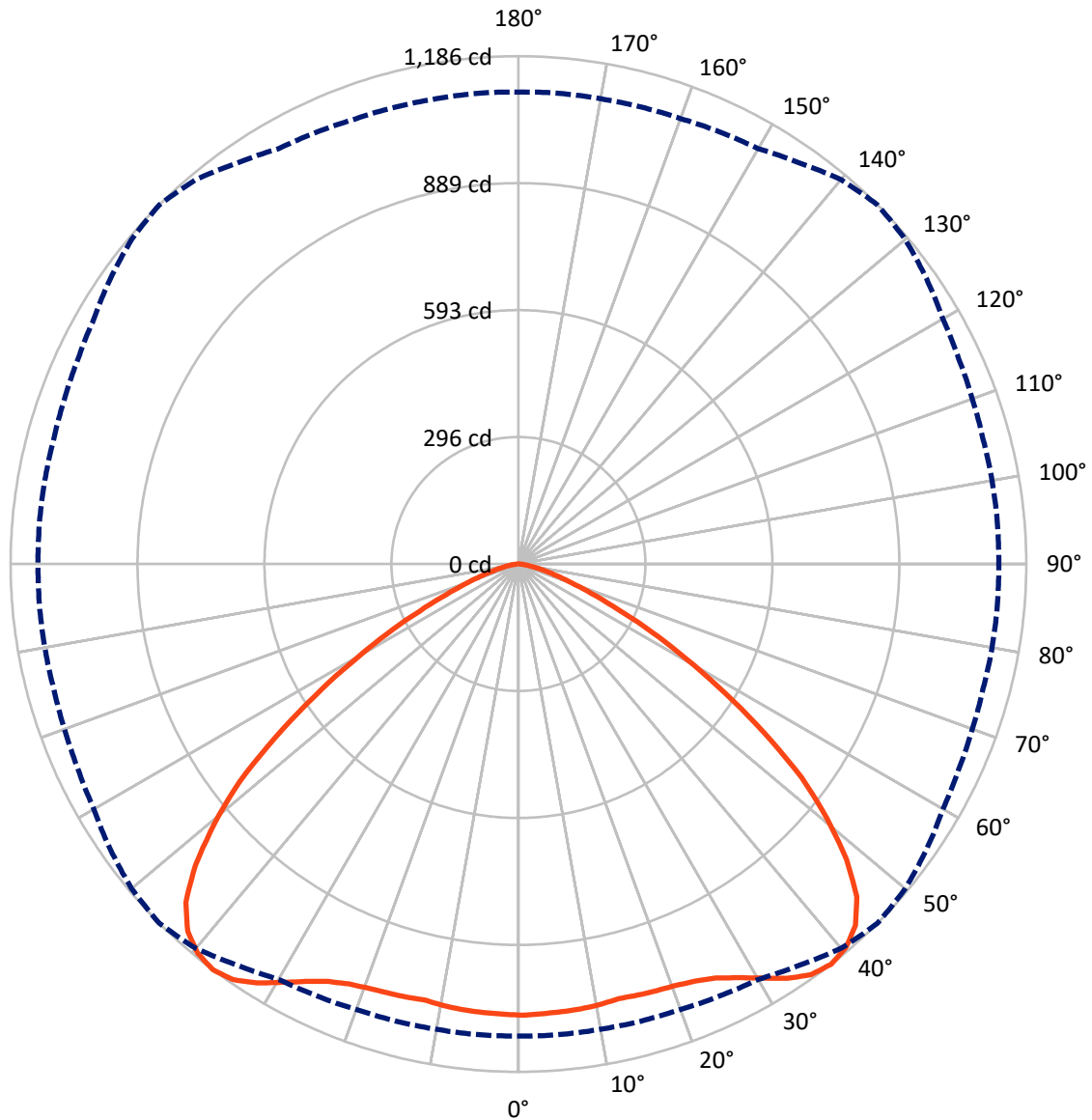


Based on 10 foot mounting height. Maximum calculated value = 10.5 fc  
 Type V - Short - Full Cutoff

REPORT NUMBER: P92749

CATALOG NUMBER: LRC-B16-7-LED-E1-WST

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 37.5-Deg Vertical

REPORT NUMBER: P92749

CATALOG NUMBER: LRC-B16-7-LED-E1-WST

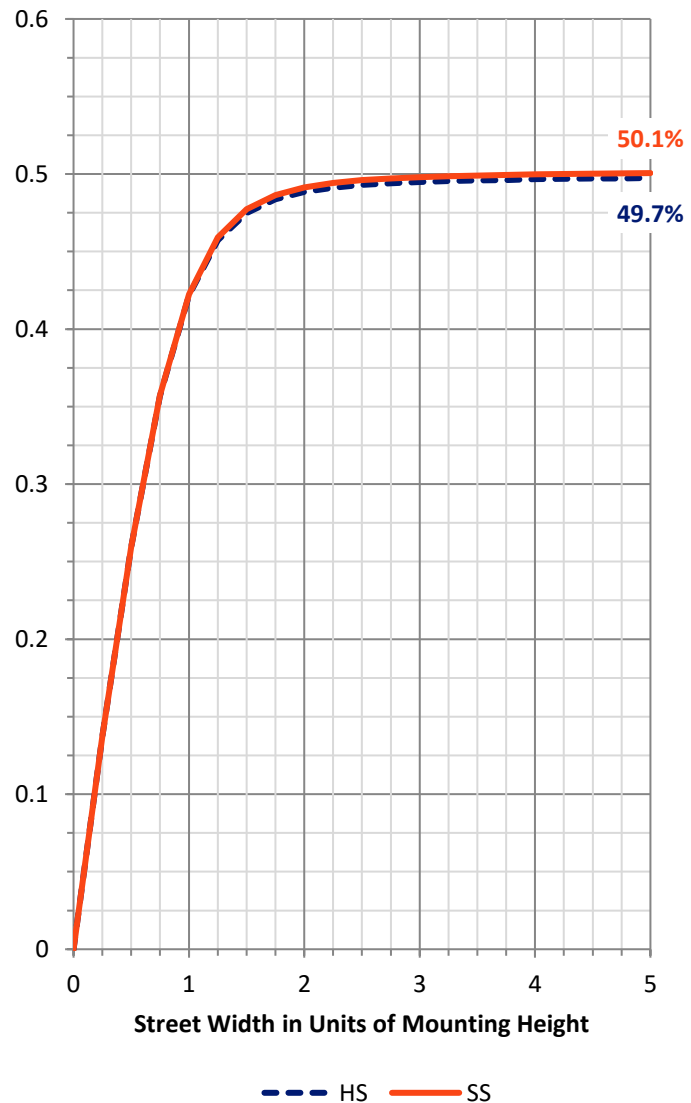
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1513.2	0.0	1513.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1513.2	0.0	1513.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3026.4	0.0	3026.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	100.0	3.3
10°-20°	296.4	9.8
20°-30°	504.0	16.7
30°-40°	710.6	23.5
40°-50°	742.4	24.5
50°-60°	455.9	15.1
60°-70°	163.6	5.4
70°-80°	46.2	1.5
80°-90°	7.4	0.2
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°	3026.4	100.0
0°-180°	3026.4	100.0



REPORT NUMBER: P92749

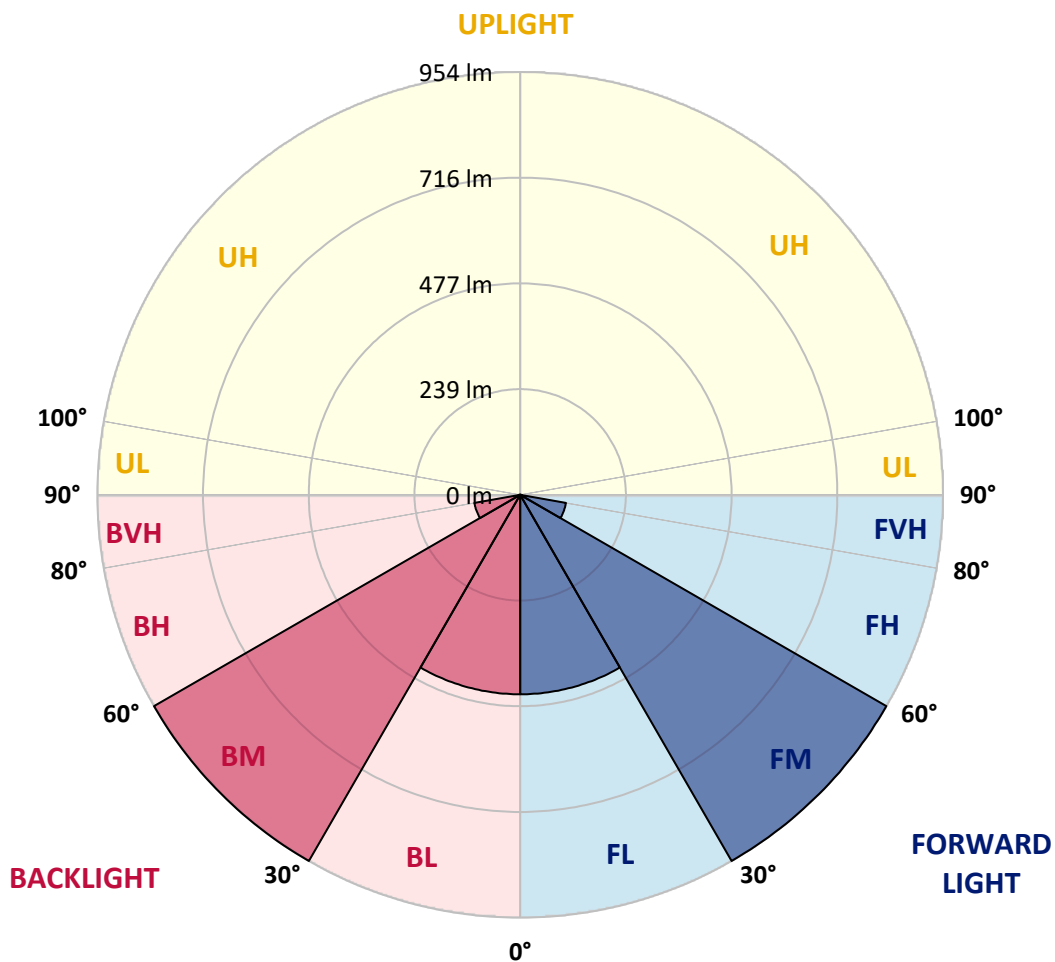
CATALOG NUMBER: LRC-B16-7-LED-E1-WST

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	450.2	14.9			
FM	(30°-60°)	954.5	31.5			
FH	(60°-80°)	104.9	3.5			G0/660
FVH	(80°-90°)	3.7	0.1			G0/10
BL	(0°-30°)	450.2	14.9	B1/500		
BM	(30°-60°)	954.5	31.5	B1/1000		
BH	(60°-80°)	104.9	3.5	B0/110		G0/660
BVH	(80°-90°)	3.7	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G0**

Type V Short





REPORT NUMBER: P92749

CATALOG NUMBER: LRC-B16-7-LED-E1-WST

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1053.6	1053.6	1053.6	1053.6	1053.6	1053.6	1053.6	1053.6	1053.6	1053.6	1053.6
2.5°	1053.6	1051.8	1052.1	1051.0	1051.8	1051.0	1051.4	1051.4	1050.3	1051.4	1052.5
5°	1053.2	1051.0	1050.3	1049.6	1050.6	1051.0	1051.0	1050.6	1049.9	1050.3	1049.9
7.5°	1048.5	1046.7	1045.9	1045.9	1046.7	1047.4	1048.1	1048.5	1048.1	1048.8	1047.0
10°	1045.9	1043.7	1043.0	1042.3	1042.6	1041.9	1043.4	1045.5	1044.5	1045.9	1045.2
12.5°	1044.5	1042.3	1041.6	1042.3	1041.6	1041.9	1041.2	1041.2	1040.5	1041.2	1041.9
15°	1046.7	1044.8	1044.8	1044.5	1044.1	1046.7	1044.1	1043.7	1044.1	1044.5	1042.3
17.5°	1051.4	1051.0	1051.8	1051.0	1050.6	1052.1	1048.8	1048.8	1046.7	1047.0	1044.8
20°	1059.0	1057.6	1059.8	1059.0	1058.6	1057.6	1056.5	1052.8	1049.9	1050.3	1048.5
22.5°	1076.2	1075.0	1072.9	1072.1	1070.0	1067.0	1064.9	1061.9	1058.3	1057.6	1057.6
25°	1101.3	1100.2	1097.6	1095.1	1090.0	1084.2	1080.1	1076.5	1070.0	1070.7	1071.4
27.5°	1126.4	1125.3	1124.2	1119.8	1114.7	1111.1	1102.4	1096.5	1091.1	1093.6	1092.9
30°	1136.2	1136.9	1133.3	1133.7	1130.4	1128.2	1123.1	1122.4	1118.4	1122.0	1122.4
32.5°	1139.5	1139.9	1136.6	1135.9	1132.2	1132.2	1134.4	1139.1	1146.1	1153.3	1152.6
35°	1127.5	1128.9	1127.1	1127.5	1125.7	1127.5	1132.6	1145.3	1168.3	1177.4	1172.7
37.5°	1102.0	1103.1	1103.1	1104.9	1106.7	1112.9	1119.8	1143.5	1171.5	1185.8	1178.9
40°	1055.7	1055.7	1056.9	1060.5	1068.1	1079.8	1096.5	1128.6	1158.4	1177.4	1175.2
42.5°	983.3	984.4	989.1	997.1	1011.0	1027.7	1051.0	1091.8	1126.0	1153.7	1146.1
45°	889.3	893.0	899.1	910.4	929.0	952.7	984.7	1030.6	1079.1	1107.8	1090.7
47.5°	775.0	779.4	790.3	806.3	830.7	861.3	901.0	954.5	1006.9	1030.6	1013.1
50°	645.3	648.9	663.9	684.3	714.1	752.0	799.0	858.4	910.8	933.8	914.5
52.5°	505.8	510.6	526.6	550.6	585.6	631.1	683.6	746.9	795.7	827.0	810.6
55°	375.1	382.0	395.8	422.4	456.7	502.9	557.2	622.7	669.7	696.7	678.5
57.5°	275.7	280.4	292.1	313.6	343.8	386.0	440.3	500.7	549.5	568.9	552.1
60°	201.4	204.7	213.8	230.2	254.2	289.9	336.9	392.2	434.5	449.7	430.8
62.5°	144.6	147.1	153.7	166.4	185.7	214.5	250.9	295.3	335.1	348.5	322.6
65°	102.0	103.4	108.2	118.3	134.4	156.6	184.6	217.0	246.5	255.3	234.9
67.5°	71.7	72.5	76.5	83.4	95.8	112.9	134.0	157.0	178.5	183.9	170.1
70°	50.2	50.6	53.5	58.6	68.1	80.8	96.1	114.0	127.8	131.5	122.4
72.5°	34.6	35.0	36.8	40.8	47.7	57.2	69.2	80.8	90.7	93.2	88.1
75°	23.7	24.0	25.1	28.0	32.8	39.7	48.1	56.8	62.7	63.7	61.5
77.5°	16.0	16.4	17.1	18.9	21.9	26.9	33.2	38.3	41.9	42.6	41.9
80°	10.6	10.6	10.9	12.4	14.2	17.5	21.1	24.4	26.9	28.0	26.9
82.5°	6.6	6.6	6.6	7.3	8.4	10.2	11.7	14.2	16.0	16.8	16.0
85°	3.3	3.7	3.7	4.0	4.4	5.1	5.8	6.9	7.6	8.0	7.6
87.5°	1.5	1.5	1.5	1.5	1.8	1.8	2.2	2.2	2.5	2.5	2.5
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: P92749

CATALOG NUMBER: LRC-B16-7-LED-E1-WST

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°
0°	1053.6	1053.6	1053.6	1053.6	1053.6	1053.6	1053.6	1053.6
2.5°	1052.1	1052.1	1052.8	1051.8	1051.8	1050.6	1052.8	1052.5
5°	1050.3	1049.9	1049.9	1049.6	1049.2	1048.5	1049.9	1049.2
7.5°	1047.4	1047.7	1047.4	1047.0	1046.7	1045.5	1047.0	1047.0
10°	1044.1	1042.3	1040.8	1041.9	1041.9	1041.9	1041.6	1041.2
12.5°	1041.9	1040.8	1039.4	1040.1	1038.6	1038.3	1039.4	1038.3
15°	1041.9	1040.1	1039.7	1039.0	1039.4	1040.8	1042.6	1040.5
17.5°	1044.1	1043.7	1045.2	1045.9	1045.9	1046.7	1048.5	1048.1
20°	1049.2	1048.5	1049.2	1050.6	1052.8	1052.5	1054.7	1055.4
22.5°	1058.6	1056.9	1057.6	1063.4	1066.7	1067.4	1070.3	1071.1
25°	1074.3	1075.0	1077.6	1084.5	1088.1	1091.8	1095.1	1096.2
27.5°	1096.2	1097.3	1100.9	1105.7	1110.4	1112.2	1114.4	1115.8
30°	1122.8	1122.0	1121.7	1119.1	1122.4	1122.8	1126.0	1127.9
32.5°	1145.3	1135.2	1129.3	1125.0	1128.2	1133.0	1134.4	1135.9
35°	1155.5	1141.7	1135.2	1135.9	1137.3	1138.4	1138.8	1142.4
37.5°	1162.8	1144.6	1134.4	1127.9	1123.5	1122.8	1122.4	1121.7
40°	1153.0	1127.5	1107.1	1095.1	1089.3	1084.5	1082.0	1081.3
42.5°	1115.8	1079.8	1058.3	1044.8	1033.9	1024.4	1020.1	1019.4
45°	1053.6	1018.6	994.6	970.9	950.9	938.5	930.5	926.8
47.5°	973.1	938.9	901.7	867.1	839.8	819.0	807.4	801.2
50°	879.1	831.8	783.0	739.6	705.8	681.0	667.5	660.6
52.5°	766.2	708.0	647.5	598.7	557.5	527.0	509.5	504.8
55°	636.2	571.4	502.9	448.0	404.6	375.1	358.0	352.9
57.5°	498.2	430.4	367.5	317.9	283.3	261.9	250.6	245.5
60°	374.4	313.6	264.0	227.3	203.2	188.6	180.3	177.7
62.5°	276.1	228.3	191.2	166.1	147.8	137.3	131.1	128.5
65°	201.4	166.8	139.5	121.3	108.5	100.2	95.8	93.6
67.5°	145.7	122.4	102.7	89.2	79.4	73.2	70.3	68.8
70°	107.8	90.0	75.4	65.2	58.3	53.5	51.4	50.6
72.5°	77.9	65.6	55.4	47.7	42.6	39.3	37.5	37.5
75°	55.4	47.7	39.7	34.2	30.2	28.0	26.9	26.9
77.5°	38.3	33.5	28.0	24.0	21.1	19.7	18.9	18.6
80°	24.4	21.9	18.6	16.0	14.2	13.1	12.7	12.4
82.5°	14.2	12.4	10.9	9.5	8.4	8.0	7.6	7.6
85°	6.9	6.2	5.5	5.1	4.4	4.4	4.0	4.0
87.5°	2.5	2.2	1.8	1.8	1.8	1.8	1.8	1.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)