

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: P92748

Luminaire Tested: **LRC-B16-1-LED-E1-WST**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P92748
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-B16-1-LED-E1-WST
Description: LRC CANOPY LUMINAIRE
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3751.1 lumens
Efficiency: N/A
Efficacy: 75.2 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: B2 - U0 - G0

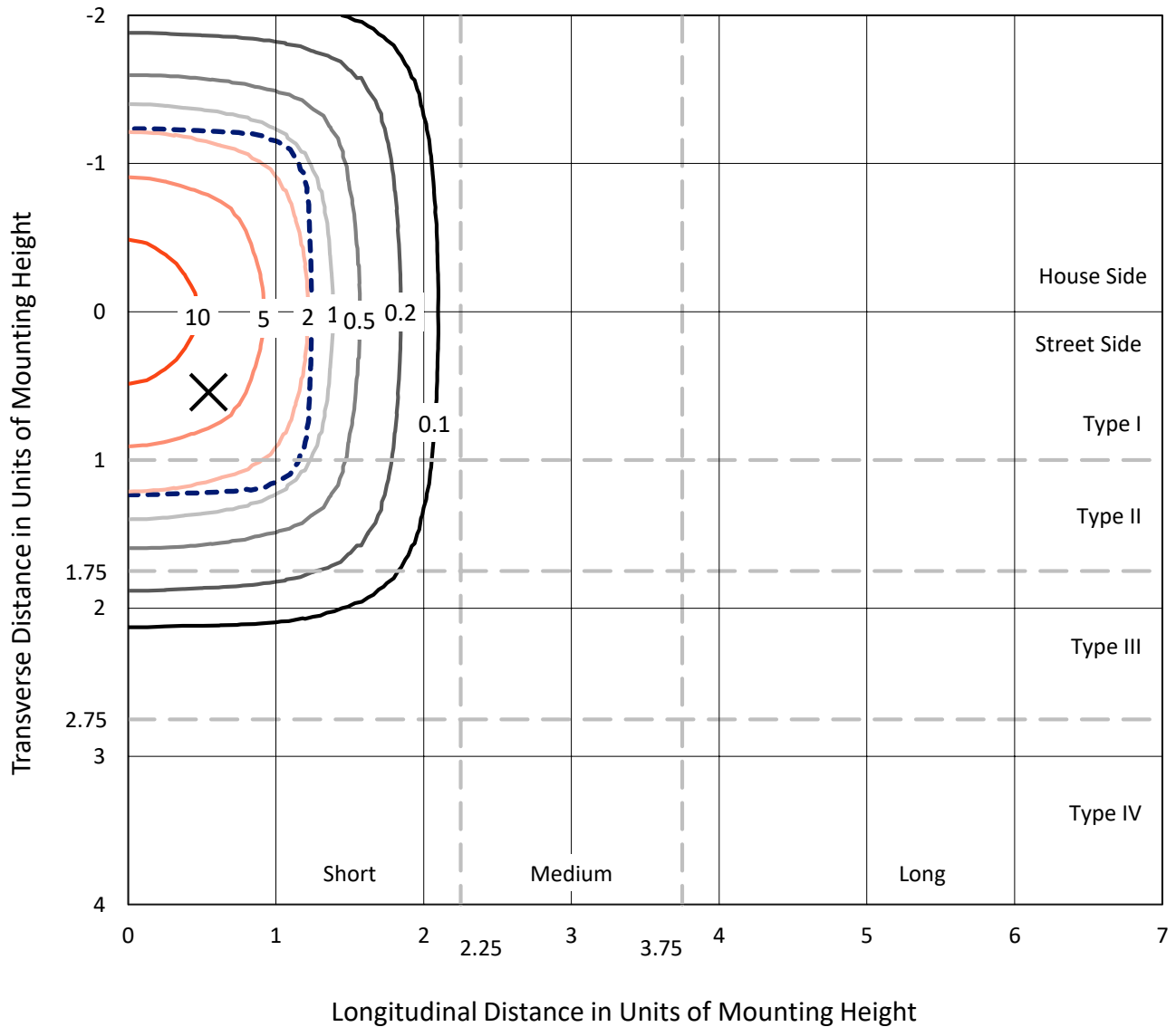
Input Watts (W): 49.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

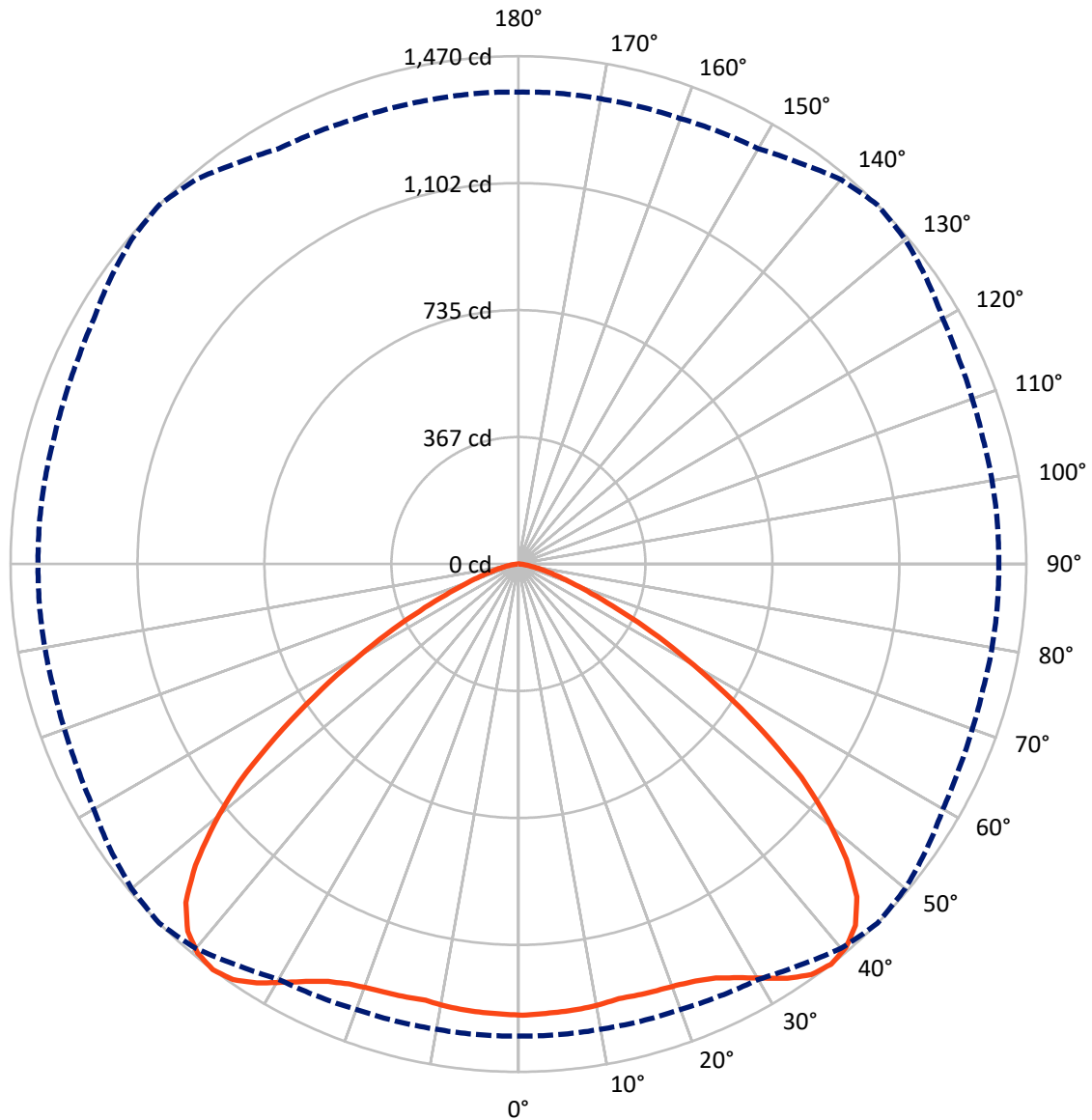


Based on 10 foot mounting height. Maximum calculated value = 13.1 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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

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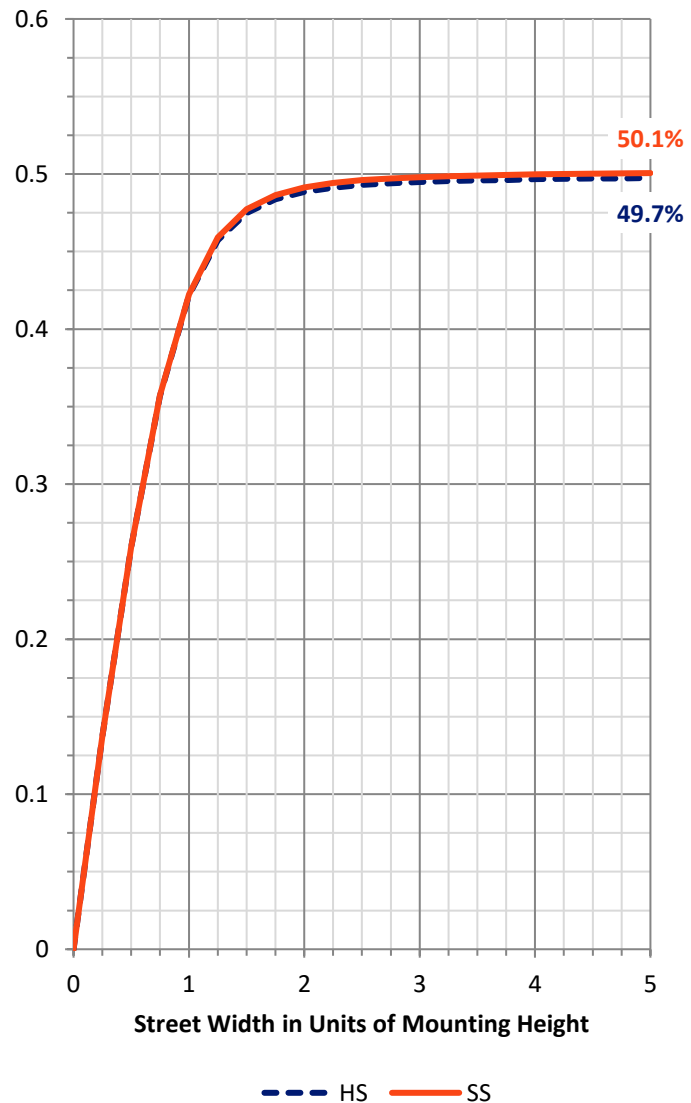
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1875.5	0.0	1875.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1875.5	0.0	1875.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3751.1	0.0	3751.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.0	3.3
10°-20°	367.4	9.8
20°-30°	624.7	16.7
30°-40°	880.7	23.5
40°-50°	920.1	24.5
50°-60°	565.1	15.1
60°-70°	202.7	5.4
70°-80°	57.3	1.5
80°-90°	9.1	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°	3751.1	100.0
0°-180°	3751.1	100.0



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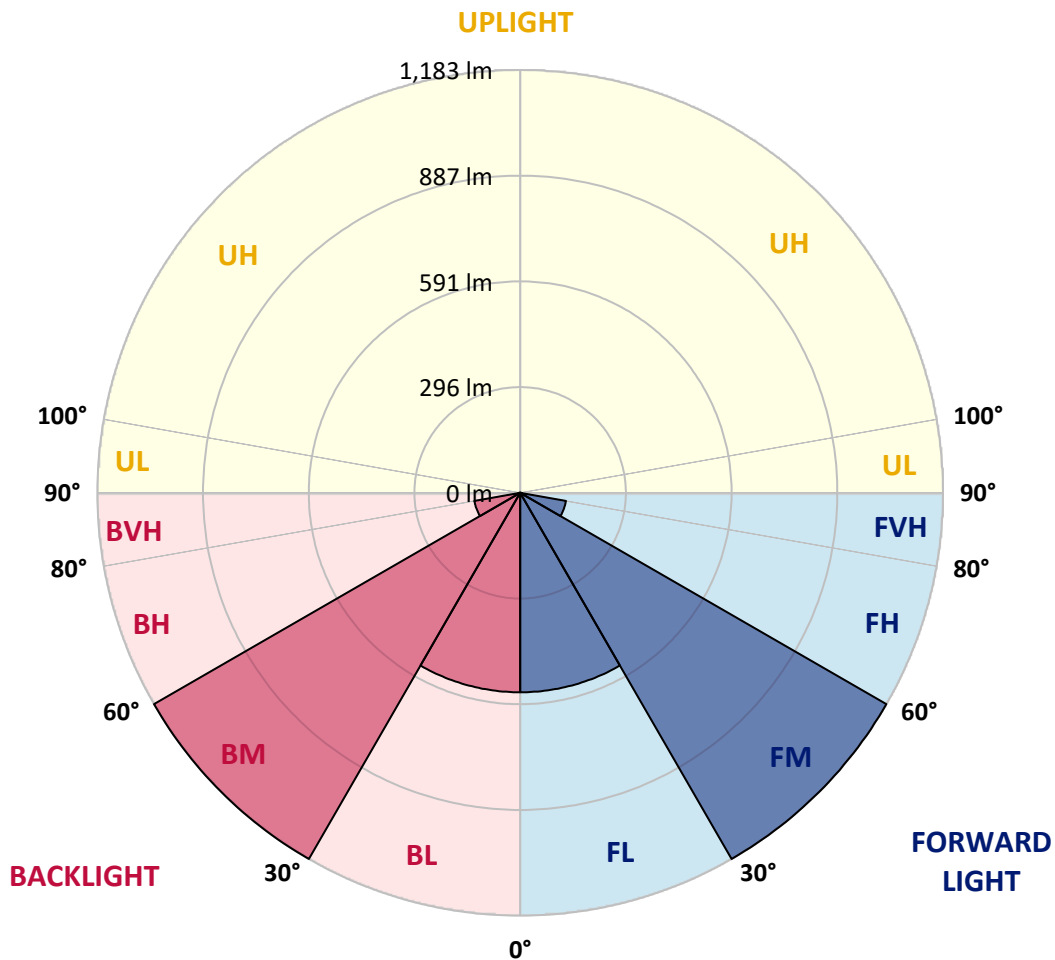
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	558.0	14.9			
FM	(30°-60°)	1183.0	31.5			
FH	(60°-80°)	130.0	3.5			G0/660
FVH	(80°-90°)	4.6	0.1			G0/10
BL	(0°-30°)	558.0	14.9	B2/1000		
BM	(30°-60°)	1183.0	31.5	B2/2500		
BH	(60°-80°)	130.0	3.5	B1/500		G0/660
BVH	(80°-90°)	4.6	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1305.8	1305.8	1305.8	1305.8	1305.8	1305.8	1305.8	1305.8	1305.8	1305.8	1305.8
2.5°	1305.8	1303.6	1304.0	1302.7	1303.6	1302.7	1303.1	1303.1	1301.8	1303.1	1304.5
5°	1305.4	1302.7	1301.8	1300.9	1302.2	1302.7	1302.7	1302.2	1301.3	1301.8	1301.3
7.5°	1299.5	1297.3	1296.3	1296.3	1297.3	1298.1	1299.1	1299.5	1299.1	1299.9	1297.7
10°	1296.3	1293.7	1292.7	1291.8	1292.3	1291.4	1293.2	1295.9	1294.5	1296.3	1295.5
12.5°	1294.5	1291.8	1290.9	1291.8	1290.9	1291.4	1290.5	1290.5	1289.6	1290.5	1291.4
15°	1297.3	1295.0	1295.0	1294.5	1294.1	1297.3	1294.1	1293.7	1294.1	1294.5	1291.8
17.5°	1303.1	1302.7	1303.6	1302.7	1302.2	1304.0	1299.9	1299.9	1297.3	1297.7	1295.0
20°	1312.6	1310.8	1313.5	1312.6	1312.1	1310.8	1309.4	1304.9	1301.3	1301.8	1299.5
22.5°	1333.8	1332.4	1329.8	1328.8	1326.2	1322.5	1319.8	1316.2	1311.7	1310.8	1310.8
25°	1364.9	1363.6	1360.5	1357.3	1350.9	1343.7	1338.8	1334.2	1326.2	1327.0	1328.0
27.5°	1396.1	1394.8	1393.4	1388.0	1381.6	1377.1	1366.3	1359.1	1352.3	1355.5	1354.5
30°	1408.3	1409.2	1404.7	1405.1	1401.0	1398.4	1392.0	1391.1	1386.2	1390.7	1391.1
32.5°	1412.3	1412.8	1408.7	1407.8	1403.3	1403.3	1406.0	1411.9	1420.5	1429.5	1428.6
35°	1397.4	1399.2	1397.0	1397.4	1395.2	1397.4	1403.8	1419.5	1448.0	1459.3	1453.4
37.5°	1365.9	1367.2	1367.2	1369.5	1371.7	1379.4	1388.0	1417.3	1452.1	1469.7	1461.1
40°	1308.5	1308.5	1309.9	1314.4	1323.9	1338.3	1359.1	1398.8	1435.8	1459.3	1456.6
42.5°	1218.7	1220.1	1225.9	1235.8	1253.0	1273.8	1302.7	1353.2	1395.6	1429.9	1420.5
45°	1102.2	1106.8	1114.4	1128.4	1151.5	1180.8	1220.5	1277.4	1337.4	1373.1	1351.9
47.5°	960.5	966.0	979.5	999.3	1029.6	1067.5	1116.7	1183.0	1248.0	1277.4	1255.7
50°	799.8	804.3	822.8	848.1	885.1	932.1	990.3	1063.9	1128.9	1157.3	1133.4
52.5°	627.0	632.8	652.7	682.5	725.8	782.2	847.2	925.7	986.3	1025.1	1004.7
55°	464.9	473.5	490.6	523.6	566.0	623.3	690.6	771.8	830.1	863.5	840.9
57.5°	341.7	347.5	362.0	388.6	426.1	478.5	545.7	620.6	681.1	705.1	684.3
60°	249.6	253.7	265.0	285.3	315.0	359.3	417.5	486.1	538.5	557.4	534.0
62.5°	179.2	182.4	190.5	206.3	230.2	265.9	311.0	366.1	415.3	431.9	399.9
65°	126.4	128.2	134.1	146.7	166.6	194.1	228.9	269.0	305.6	316.4	291.1
67.5°	88.9	89.8	94.8	103.4	118.7	139.9	166.1	194.5	221.2	227.9	210.8
70°	62.3	62.7	66.3	72.7	84.4	100.2	119.2	141.3	158.4	162.9	151.7
72.5°	42.9	43.4	45.6	50.6	59.1	70.9	85.8	100.2	112.4	115.6	109.2
75°	29.3	29.8	31.2	34.8	40.6	49.2	59.6	70.4	77.7	79.0	76.3
77.5°	19.9	20.3	21.2	23.5	27.1	33.4	41.1	47.4	51.9	52.8	51.9
80°	13.1	13.1	13.5	15.3	17.6	21.7	26.2	30.2	33.4	34.8	33.4
82.5°	8.1	8.1	8.1	9.0	10.4	12.6	14.5	17.6	19.9	20.8	19.9
85°	4.1	4.5	4.5	5.0	5.4	6.3	7.2	8.6	9.5	9.9	9.5
87.5°	1.8	1.8	1.8	1.8	2.3	2.3	2.7	2.7	3.1	3.1	3.1
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):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	1305.8	1305.8	1305.8	1305.8	1305.8	1305.8	1305.8	1305.8
2.5°	1304.0	1304.0	1304.9	1303.6	1303.6	1302.2	1304.9	1304.5
5°	1301.8	1301.3	1301.3	1300.9	1300.4	1299.5	1301.3	1300.4
7.5°	1298.1	1298.6	1298.1	1297.7	1297.3	1295.9	1297.7	1297.7
10°	1294.1	1291.8	1290.0	1291.4	1291.4	1291.4	1290.9	1290.5
12.5°	1291.4	1290.0	1288.2	1289.1	1287.3	1286.9	1288.2	1286.9
15°	1291.4	1289.1	1288.7	1287.7	1288.2	1290.0	1292.3	1289.6
17.5°	1294.1	1293.7	1295.5	1296.3	1296.3	1297.3	1299.5	1299.1
20°	1300.4	1299.5	1300.4	1302.2	1304.9	1304.5	1307.2	1308.1
22.5°	1312.1	1309.9	1310.8	1318.0	1322.1	1323.0	1326.6	1327.5
25°	1331.6	1332.4	1335.6	1344.2	1348.7	1353.2	1357.3	1358.6
27.5°	1358.6	1360.0	1364.5	1370.4	1376.2	1378.5	1381.2	1383.0
30°	1391.6	1390.7	1390.2	1387.0	1391.1	1391.6	1395.6	1397.9
32.5°	1419.5	1406.9	1399.7	1394.3	1398.4	1404.2	1406.0	1407.8
35°	1432.2	1415.1	1406.9	1407.8	1409.6	1411.0	1411.4	1415.9
37.5°	1441.2	1418.7	1406.0	1397.9	1392.5	1391.6	1391.1	1390.2
40°	1429.1	1397.4	1372.2	1357.3	1350.1	1344.2	1341.0	1340.1
42.5°	1383.0	1338.3	1311.7	1295.0	1281.5	1269.7	1264.3	1263.4
45°	1305.8	1262.5	1232.7	1203.3	1178.5	1163.2	1153.3	1148.7
47.5°	1206.1	1163.6	1117.6	1074.7	1040.9	1015.1	1000.7	993.0
50°	1089.6	1030.9	970.4	916.7	874.8	844.1	827.4	818.8
52.5°	949.7	877.5	802.5	742.0	691.0	653.1	631.5	625.6
55°	788.5	708.2	623.3	555.2	501.5	464.9	443.7	437.4
57.5°	617.5	533.5	455.4	394.0	351.1	324.6	310.6	304.2
60°	464.0	388.6	327.2	281.7	251.9	233.8	223.4	220.3
62.5°	342.1	283.0	237.0	205.8	183.2	170.2	162.5	159.3
65°	249.6	206.7	172.9	150.3	134.5	124.1	118.7	116.0
67.5°	180.6	151.7	127.3	110.6	98.4	90.7	87.1	85.3
70°	133.6	111.5	93.4	80.8	72.2	66.3	63.7	62.7
72.5°	96.6	81.3	68.6	59.1	52.8	48.8	46.5	46.5
75°	68.6	59.1	49.2	42.4	37.4	34.8	33.4	33.4
77.5°	47.4	41.5	34.8	29.8	26.2	24.4	23.5	23.0
80°	30.2	27.1	23.0	19.9	17.6	16.3	15.8	15.3
82.5°	17.6	15.3	13.5	11.7	10.4	9.9	9.5	9.5
85°	8.6	7.7	6.8	6.3	5.4	5.4	5.0	5.0
87.5°	3.1	2.7	2.3	2.3	2.3	2.3	2.3	2.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)