

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: P92751

Luminaire Tested: **LRC-B32-4-LED-E1-WST**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P92751
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-B32-4-LED-E1-WST
Description: LRC CANOPY LUMINAIRE
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4184.4 lumens
Efficiency: N/A
Efficacy: 91.6 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

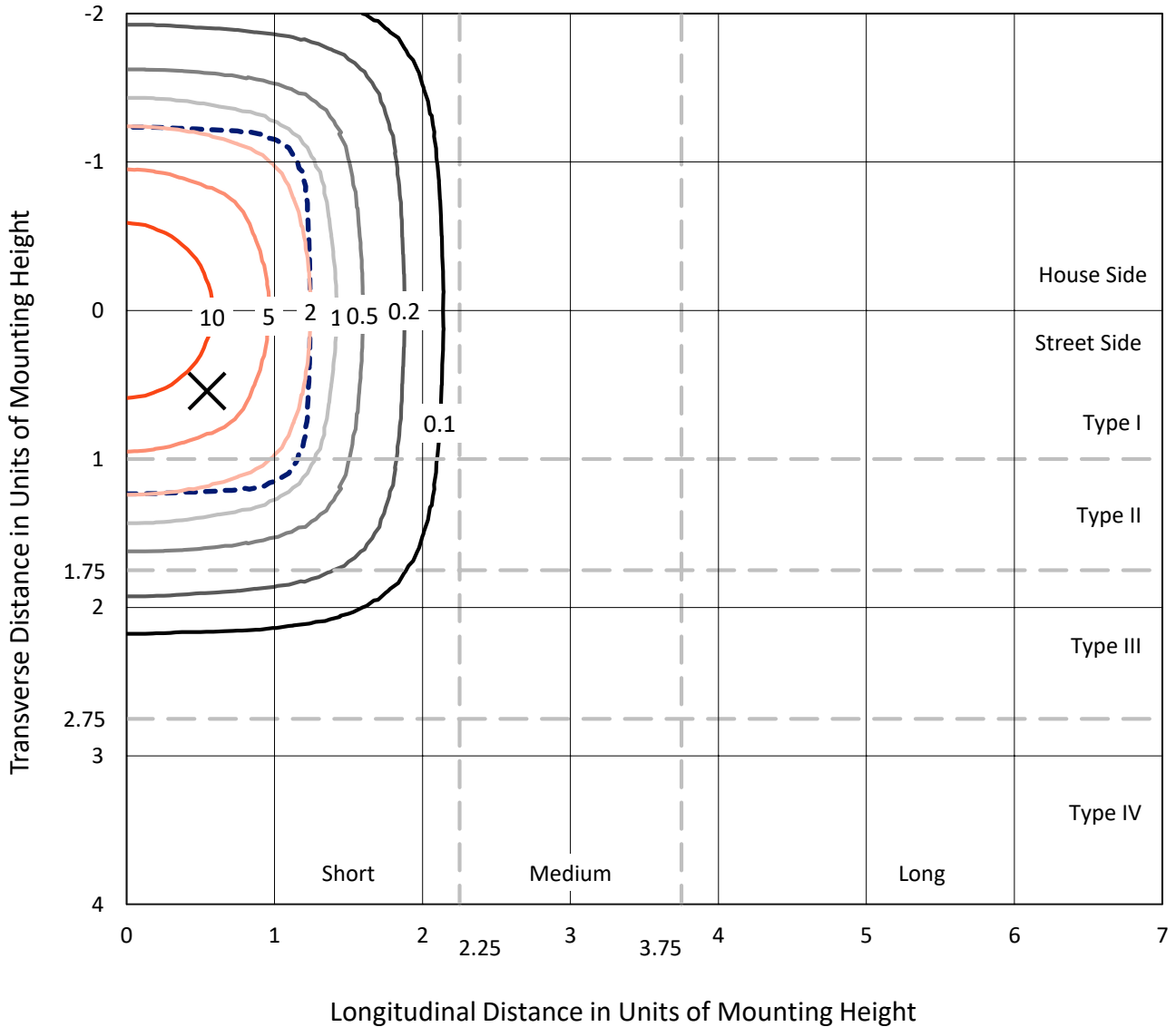
Input Watts (W): 45.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

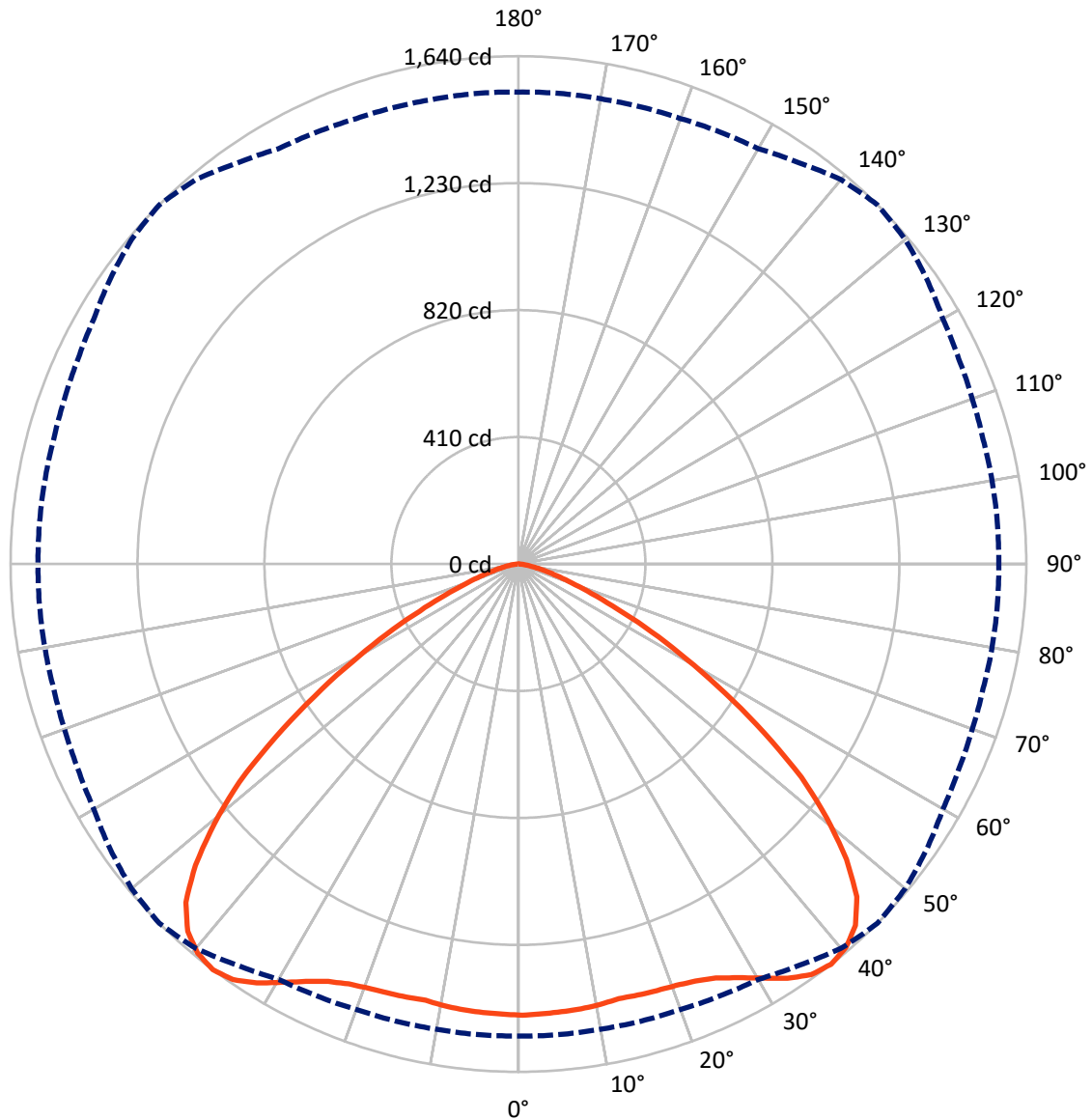
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.6 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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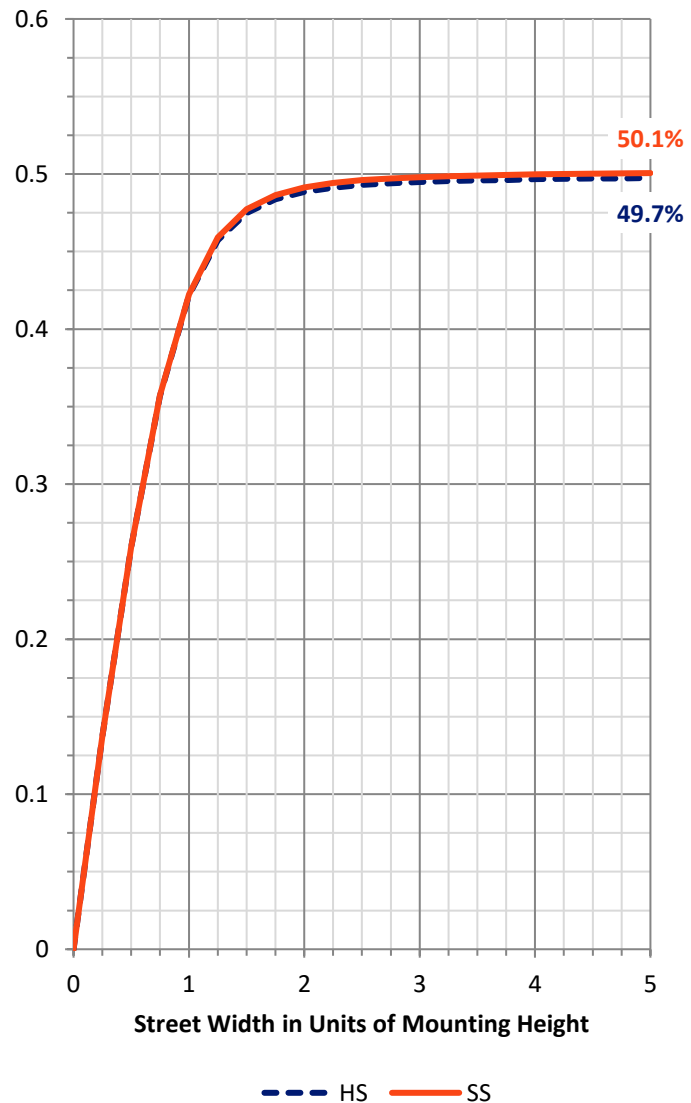
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2092.2	0.0	2092.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2092.2	0.0	2092.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	4184.4	0.0	4184.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.3	3.3
10°-20°	409.8	9.8
20°-30°	696.8	16.7
30°-40°	982.4	23.5
40°-50°	1026.4	24.5
50°-60°	630.4	15.1
60°-70°	226.2	5.4
70°-80°	63.9	1.5
80°-90°	10.2	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°	4184.4	100.0
0°-180°	4184.4	100.0



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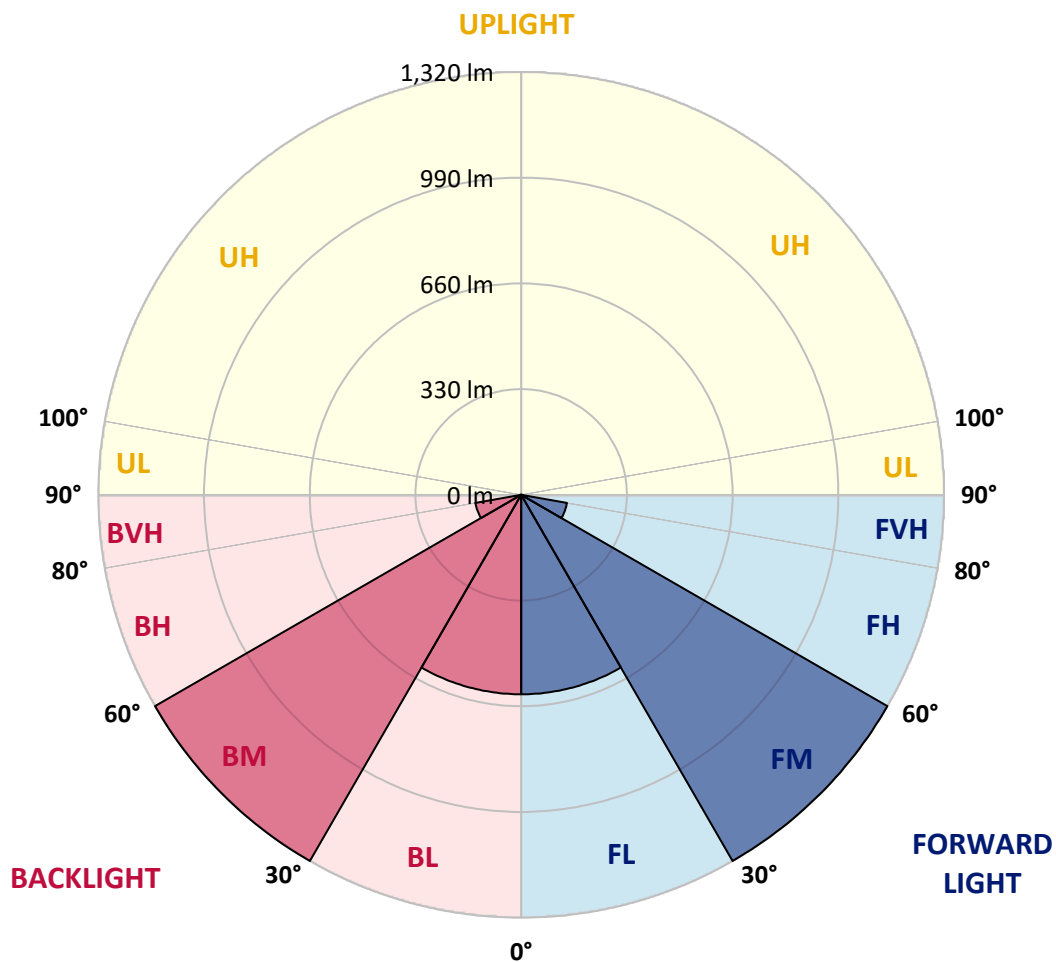
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	622.5	14.9			
FM	(30°-60°)	1319.6	31.5			
FH	(60°-80°)	145.0	3.5			G0/660
FVH	(80°-90°)	5.1	0.1			G0/10
BL	(0°-30°)	622.5	14.9	B2/1000		
BM	(30°-60°)	1319.6	31.5	B2/2500		
BH	(60°-80°)	145.0	3.5	B1/500		G0/660
BVH	(80°-90°)	5.1	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°	1456.7	1456.7	1456.7	1456.7	1456.7	1456.7	1456.7	1456.7	1456.7	1456.7	1456.7
2.5°	1456.7	1454.2	1454.6	1453.1	1454.2	1453.1	1453.7	1453.7	1452.2	1453.7	1455.2
5°	1456.2	1453.1	1452.2	1451.1	1452.6	1453.1	1453.1	1452.6	1451.7	1452.2	1451.7
7.5°	1449.6	1447.1	1446.1	1446.1	1447.1	1448.1	1449.1	1449.6	1449.1	1450.1	1447.6
10°	1446.1	1443.1	1442.1	1441.0	1441.6	1440.6	1442.6	1445.6	1444.1	1446.1	1445.1
12.5°	1444.1	1441.0	1440.1	1441.0	1440.1	1440.6	1439.6	1439.6	1438.6	1439.6	1440.6
15°	1447.1	1444.6	1444.6	1444.1	1443.6	1447.1	1443.6	1443.1	1443.6	1444.1	1441.0
17.5°	1453.7	1453.1	1454.2	1453.1	1452.6	1454.6	1450.1	1450.1	1447.1	1447.6	1444.6
20°	1464.2	1462.2	1465.3	1464.2	1463.7	1462.2	1460.7	1455.7	1451.7	1452.2	1449.6
22.5°	1487.9	1486.4	1483.4	1482.3	1479.4	1475.3	1472.3	1468.2	1463.2	1462.2	1462.2
25°	1522.6	1521.1	1517.6	1514.1	1507.0	1499.0	1493.4	1488.4	1479.4	1480.3	1481.4
27.5°	1557.4	1555.9	1554.3	1548.3	1541.3	1536.2	1524.2	1516.1	1508.6	1512.1	1511.0
30°	1571.0	1572.0	1567.0	1567.4	1562.9	1559.9	1552.9	1551.8	1546.3	1551.4	1551.8
32.5°	1575.5	1576.0	1571.5	1570.5	1565.4	1565.4	1568.5	1575.0	1584.6	1594.6	1593.6
35°	1558.9	1560.9	1558.4	1558.9	1556.4	1558.9	1565.9	1583.5	1615.3	1627.9	1621.4
37.5°	1523.7	1525.1	1525.1	1527.7	1530.2	1538.7	1548.3	1581.0	1619.8	1639.5	1629.9
40°	1459.7	1459.7	1461.2	1466.2	1476.8	1492.9	1516.1	1560.4	1601.7	1627.9	1624.9
42.5°	1359.5	1361.0	1367.6	1378.6	1397.8	1420.9	1453.1	1509.5	1556.9	1595.1	1584.6
45°	1229.6	1234.6	1243.2	1258.8	1284.5	1317.2	1361.5	1425.0	1491.9	1531.7	1508.0
47.5°	1071.5	1077.6	1092.6	1114.8	1148.5	1190.8	1245.7	1319.7	1392.2	1425.0	1400.8
50°	892.3	897.2	917.9	946.1	987.4	1039.8	1104.7	1186.8	1259.3	1291.0	1264.3
52.5°	699.4	705.9	728.1	761.3	809.6	872.6	945.1	1032.7	1100.2	1143.5	1120.8
55°	518.6	528.2	547.3	584.1	631.4	695.4	770.4	861.0	926.0	963.2	938.0
57.5°	381.2	387.7	403.8	433.5	475.3	533.8	608.7	692.3	759.8	786.5	763.3
60°	278.5	283.0	295.6	318.2	351.4	400.8	465.8	542.3	600.7	621.8	595.7
62.5°	199.9	203.4	212.5	230.1	256.8	296.6	346.9	408.4	463.3	481.8	446.1
65°	141.0	143.0	149.6	163.6	185.8	216.5	255.3	300.1	340.9	353.0	324.8
67.5°	99.2	100.2	105.7	115.3	132.4	156.1	185.3	217.0	246.7	254.3	235.2
70°	69.5	70.0	74.0	81.1	94.1	111.8	132.9	157.6	176.8	181.7	169.2
72.5°	47.8	48.4	50.8	56.4	66.0	79.1	95.7	111.8	125.4	128.9	121.9
75°	32.7	33.2	34.8	38.8	45.3	54.9	66.5	78.5	86.6	88.1	85.1
77.5°	22.1	22.7	23.7	26.2	30.2	37.2	45.8	52.9	57.9	58.9	57.9
80°	14.6	14.6	15.1	17.1	19.6	24.2	29.2	33.7	37.2	38.8	37.2
82.5°	9.1	9.1	9.1	10.1	11.6	14.1	16.1	19.6	22.1	23.2	22.1
85°	4.5	5.0	5.0	5.6	6.0	7.1	8.0	9.6	10.6	11.1	10.6
87.5°	2.0	2.0	2.0	2.0	2.5	2.5	3.0	3.0	3.5	3.5	3.5
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°	1456.7	1456.7	1456.7	1456.7	1456.7	1456.7	1456.7	1456.7
2.5°	1454.6	1454.6	1455.7	1454.2	1454.2	1452.6	1455.7	1455.2
5°	1452.2	1451.7	1451.7	1451.1	1450.6	1449.6	1451.7	1450.6
7.5°	1448.1	1448.6	1448.1	1447.6	1447.1	1445.6	1447.6	1447.6
10°	1443.6	1441.0	1439.0	1440.6	1440.6	1440.6	1440.1	1439.6
12.5°	1440.6	1439.0	1437.0	1438.1	1436.1	1435.5	1437.0	1435.5
15°	1440.6	1438.1	1437.5	1436.5	1437.0	1439.0	1441.6	1438.6
17.5°	1443.6	1443.1	1445.1	1446.1	1446.1	1447.1	1449.6	1449.1
20°	1450.6	1449.6	1450.6	1452.6	1455.7	1455.2	1458.2	1459.2
22.5°	1463.7	1461.2	1462.2	1470.3	1474.8	1475.8	1479.8	1480.9
25°	1485.4	1486.4	1489.9	1499.5	1504.5	1509.5	1514.1	1515.6
27.5°	1515.6	1517.1	1522.2	1528.7	1535.2	1537.8	1540.8	1542.8
30°	1552.3	1551.4	1550.8	1547.3	1551.8	1552.3	1556.9	1559.4
32.5°	1583.5	1569.5	1561.4	1555.4	1559.9	1566.5	1568.5	1570.5
35°	1597.7	1578.6	1569.5	1570.5	1572.5	1574.0	1574.5	1579.5
37.5°	1607.8	1582.6	1568.5	1559.4	1553.4	1552.3	1551.8	1550.8
40°	1594.2	1558.9	1530.7	1514.1	1506.0	1499.5	1495.9	1495.0
42.5°	1542.8	1492.9	1463.2	1444.6	1429.5	1416.4	1410.4	1409.4
45°	1456.7	1408.3	1375.1	1342.4	1314.7	1297.6	1286.5	1281.4
47.5°	1345.4	1298.1	1246.7	1198.9	1161.1	1132.4	1116.3	1107.7
50°	1215.5	1150.0	1082.5	1022.7	975.8	941.6	922.9	913.4
52.5°	1059.4	978.8	895.2	827.8	770.9	728.6	704.4	697.9
55°	879.6	790.0	695.4	619.3	559.4	518.6	495.0	487.9
57.5°	688.8	595.1	508.1	439.6	391.7	362.1	346.4	339.4
60°	517.6	433.5	365.0	314.2	281.0	260.8	249.3	245.7
62.5°	381.7	315.7	264.4	229.6	204.4	189.8	181.3	177.7
65°	278.5	230.6	192.9	167.7	150.1	138.5	132.4	129.4
67.5°	201.4	169.2	142.0	123.3	109.7	101.2	97.2	95.2
70°	149.0	124.4	104.2	90.1	80.5	74.0	71.0	70.0
72.5°	107.7	90.6	76.5	66.0	58.9	54.4	51.9	51.9
75°	76.5	66.0	54.9	47.3	41.8	38.8	37.2	37.2
77.5°	52.9	46.3	38.8	33.2	29.2	27.2	26.2	25.7
80°	33.7	30.2	25.7	22.1	19.6	18.1	17.6	17.1
82.5°	19.6	17.1	15.1	13.1	11.6	11.1	10.6	10.6
85°	9.6	8.5	7.6	7.1	6.0	6.0	5.6	5.6
87.5°	3.5	3.0	2.5	2.5	2.5	2.5	2.5	2.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)