

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: STREETWORKS

Report Number: P156924

Luminaire Tested: **UTLD-F02-LED-E-U-5MQ-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P156924
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33664)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UTLD-F02-LED-E-U-5MQ-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM
Light Source: (14) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4245 lumens
Efficiency: N/A
Efficacy: 77.2 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B2 - U0 - G1

Input Watts (W): 55
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: 28.75 FT



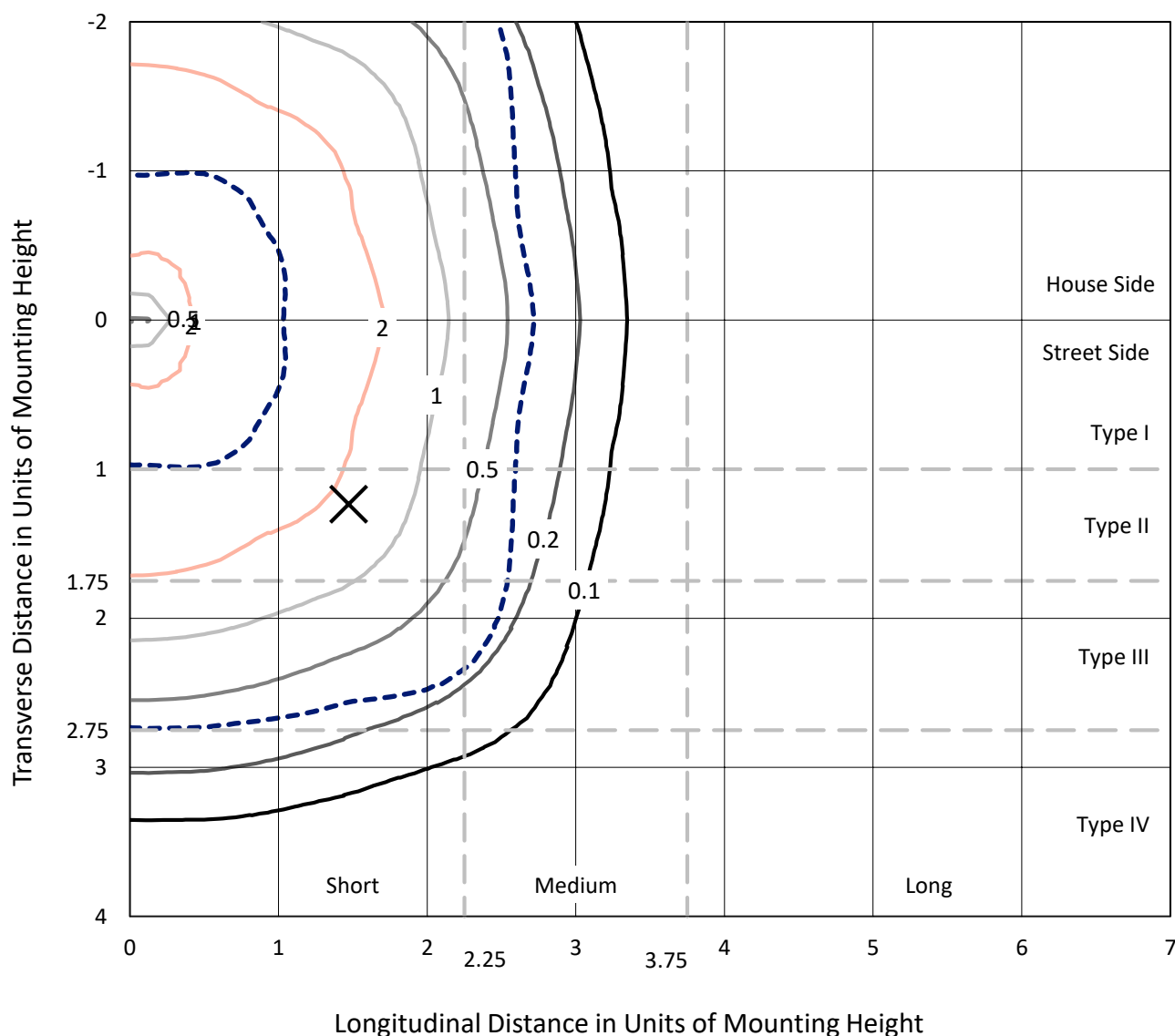
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

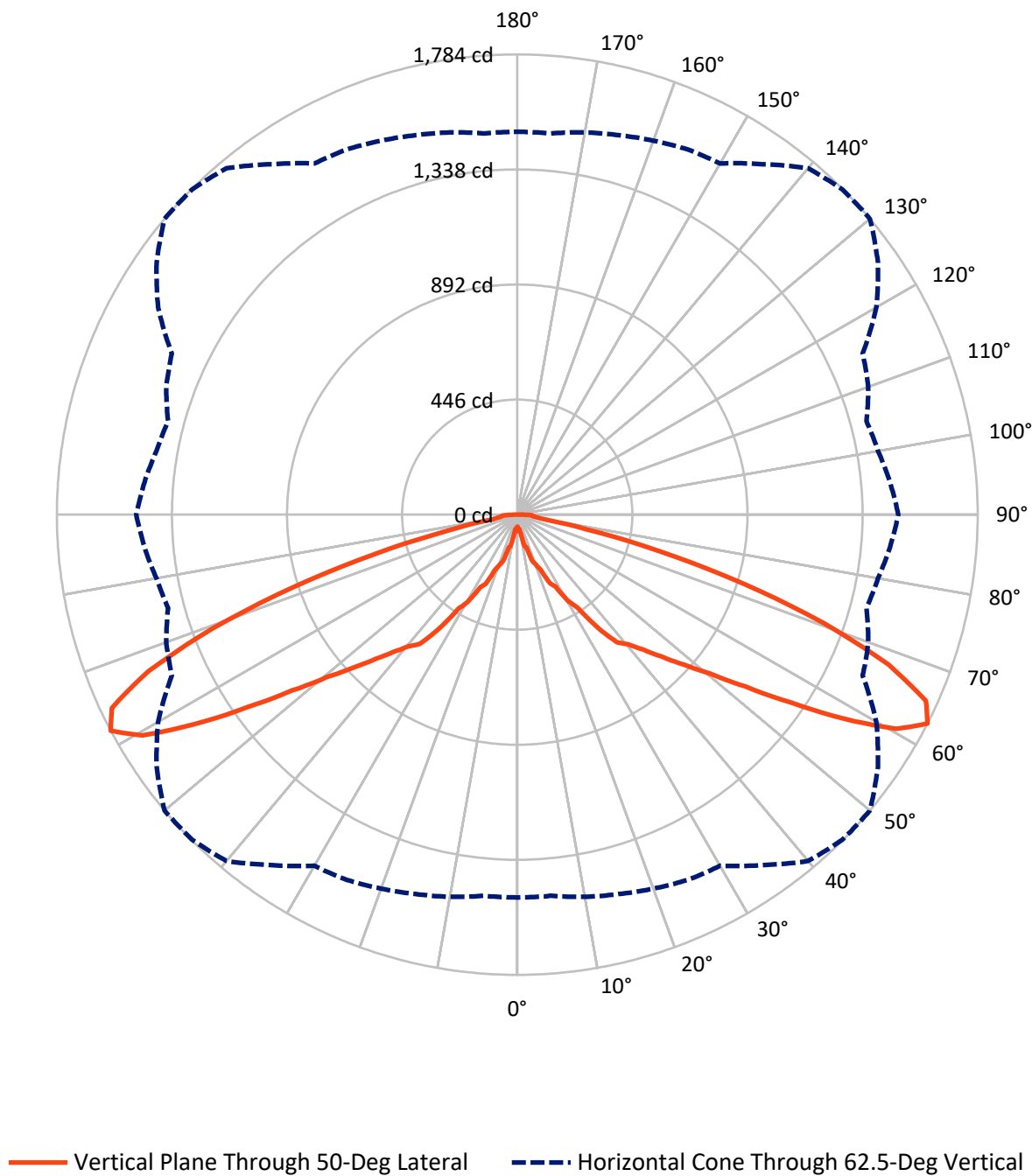


Based on 10 foot mounting height. Maximum calculated value = 3.4 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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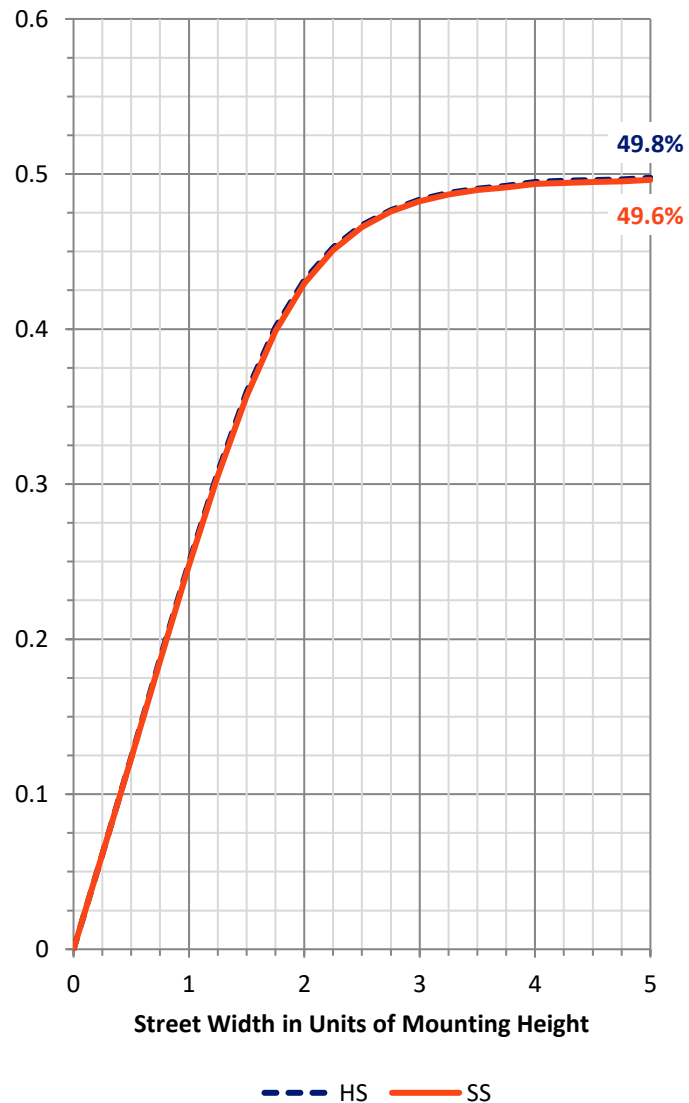
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2122.5	0.0	2122.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2122.5	0.0	2122.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4245.0	0.0	4245.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.5	0.2
10°-20°	40.9	1.0
20°-30°	136.1	3.2
30°-40°	348.3	8.2
40°-50°	645.4	15.2
50°-60°	1172.7	27.6
60°-70°	1382.3	32.6
70°-80°	453.4	10.7
80°-90°	59.5	1.4
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°	4245.0	100.0
0°-180°	4245.0	100.0

Coefficient of Utilization



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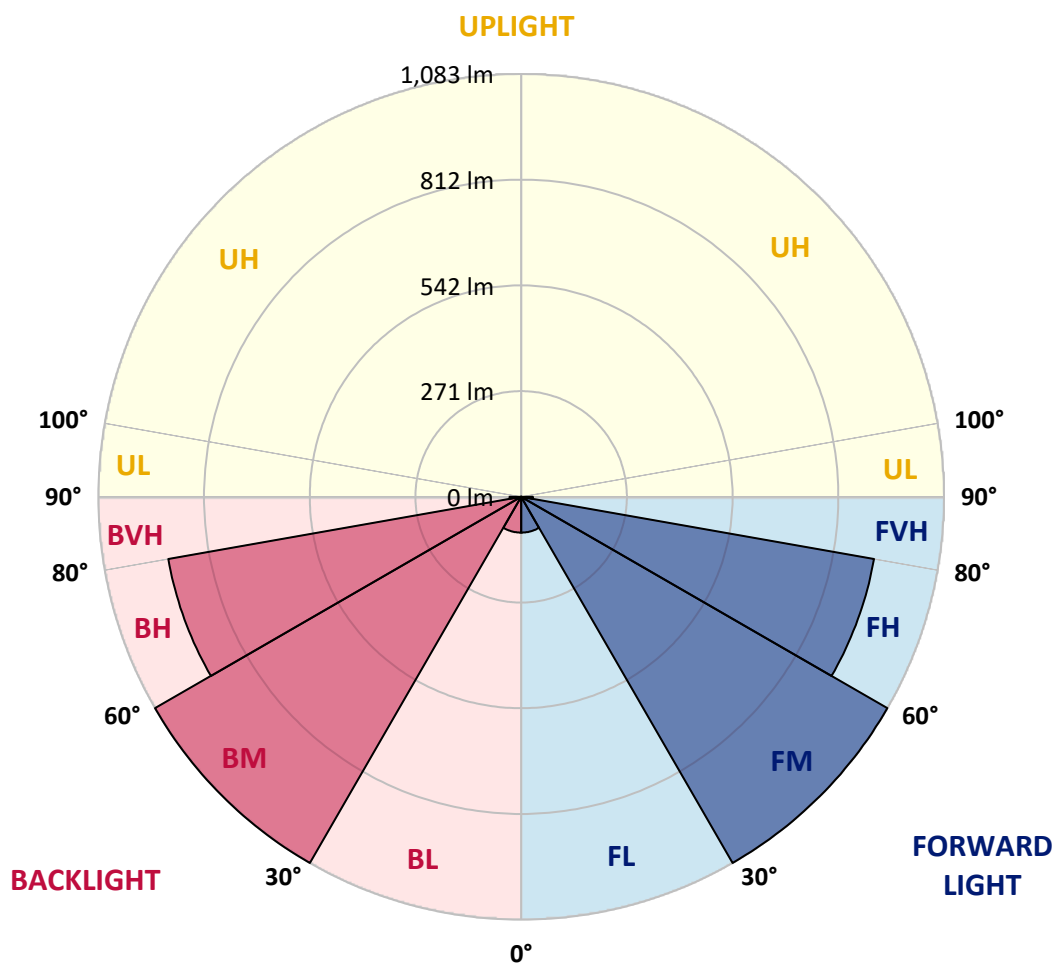
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	91.7	2.2			
FM	(30°-60°)	1083.2	25.5			
FH	(60°-80°)	917.9	21.6			G1/1800
FVH	(80°-90°)	29.7	0.7			G1/100
BL	(0°-30°)	91.7	2.2	B0/110		
BM	(30°-60°)	1083.2	25.5	B2/2500		
BH	(60°-80°)	917.9	21.6	B2/1000		G1/1800
BVH	(80°-90°)	29.7	0.7			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
2.5°	73.5	73.5	73.5	73.8	74.6	74.1	72.8	72.2	64.6	63.9	56.4
5°	53.9	54.1	54.4	54.3	54.5	56.0	55.0	56.0	54.6	56.6	65.6
7.5°	87.4	88.6	88.0	87.3	86.6	82.6	72.9	64.6	57.1	56.4	55.8
10°	93.9	94.2	93.9	93.5	93.3	93.3	92.9	90.1	89.2	87.1	74.5
12.5°	133.9	134.8	134.0	133.1	132.7	116.7	108.2	98.4	95.4	121.6	124.4
15°	141.8	143.3	141.7	140.8	140.4	138.1	136.3	157.4	155.3	132.5	131.8
17.5°	184.8	184.9	184.0	183.4	178.5	169.6	174.0	169.8	166.6	165.9	188.3
20°	211.5	208.1	201.7	192.1	186.6	208.1	210.6	204.3	189.6	199.2	207.0
22.5°	241.3	241.7	240.3	234.1	233.4	246.2	225.8	230.4	239.4	226.0	231.5
25°	297.8	297.6	293.1	272.0	267.9	263.2	262.6	269.0	255.2	275.0	294.8
27.5°	325.0	321.2	315.7	306.9	320.6	313.1	307.4	283.7	323.5	304.8	316.1
30°	397.8	395.5	385.1	379.4	375.8	350.4	341.0	362.8	353.2	357.0	387.6
32.5°	517.2	517.6	500.6	471.0	431.3	429.0	415.6	403.4	416.2	410.6	430.2
35°	625.8	611.5	575.8	565.3	544.4	535.0	520.8	501.2	510.4	507.6	540.2
37.5°	674.4	673.7	654.1	640.3	631.3	598.1	587.8	600.2	592.3	584.5	628.1
40°	778.5	776.8	755.5	735.0	713.8	664.4	648.4	637.9	629.6	631.3	660.5
42.5°	842.2	844.1	821.3	803.0	770.2	732.9	706.9	701.4	687.2	686.9	715.7
45°	913.8	913.1	896.3	871.8	838.2	808.7	773.2	769.8	757.4	756.8	785.1
47.5°	996.0	993.4	979.4	957.4	926.8	885.9	857.7	850.7	841.5	836.2	869.7
50°	1108.0	1107.4	1090.3	1063.1	1038.4	998.5	963.8	946.8	943.1	936.3	969.2
52.5°	1255.8	1252.9	1244.6	1209.0	1186.8	1123.1	1087.1	1072.4	1078.4	1072.0	1107.4
55°	1416.0	1408.8	1405.2	1373.0	1356.1	1294.8	1253.0	1246.5	1253.3	1259.0	1286.1
57.5°	1543.4	1539.3	1544.8	1524.2	1500.3	1461.4	1420.6	1439.2	1459.9	1468.2	1493.1
60°	1570.6	1573.2	1585.1	1586.6	1582.8	1575.1	1548.9	1593.2	1652.2	1672.0	1686.1
62.5°	1484.2	1483.1	1504.4	1522.7	1542.8	1562.4	1571.7	1658.2	1752.8	1782.1	1784.1
65°	1331.6	1332.9	1358.9	1377.7	1402.6	1434.4	1489.0	1582.6	1711.8	1748.2	1740.6
67.5°	1128.4	1137.6	1158.3	1189.8	1211.8	1248.8	1313.4	1405.8	1528.6	1562.2	1552.1
70°	879.9	890.6	912.5	932.3	965.1	1011.8	1049.9	1151.2	1249.0	1276.9	1261.0
72.5°	554.6	565.1	601.9	624.7	655.4	697.4	735.7	827.3	917.4	945.3	916.5
75°	196.4	205.6	239.8	271.4	304.6	353.6	405.4	485.6	578.7	613.4	572.5
77.5°	76.9	78.6	84.8	89.0	102.0	122.7	152.6	197.7	271.8	304.4	271.0
80°	67.5	70.7	74.4	76.9	77.1	75.8	74.4	78.2	94.6	105.7	92.2
82.5°	58.4	62.0	69.2	73.7	74.3	72.4	70.3	67.6	65.4	62.6	67.3
85°	43.0	52.0	62.0	68.0	69.2	67.7	66.9	64.1	59.4	53.7	60.9
87.5°	17.3	26.6	48.7	57.7	57.3	52.4	53.9	54.8	48.6	35.6	51.6
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°	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
2.5°	57.0	51.4	49.4	46.9	46.3	45.8	45.8	45.6
5°	70.7	73.7	71.8	61.8	50.1	49.2	46.9	46.7
7.5°	56.0	55.8	64.1	70.9	66.0	49.6	49.0	48.7
10°	62.4	80.1	81.4	84.1	104.2	88.0	74.6	72.8
12.5°	121.6	100.1	87.4	90.1	96.1	104.2	79.8	76.5
15°	128.6	128.8	140.8	126.5	124.2	138.9	113.6	117.6
17.5°	164.0	162.7	162.1	136.7	133.8	133.1	136.5	128.2
20°	188.5	179.4	215.3	224.5	205.1	198.3	202.0	200.2
22.5°	252.6	258.8	240.7	239.2	235.0	258.4	265.0	255.2
25°	265.6	293.7	322.1	322.7	310.1	300.5	315.3	302.8
27.5°	349.1	342.3	352.0	344.8	380.4	371.0	370.2	357.4
30°	378.7	392.8	413.4	411.1	423.4	417.6	411.3	432.8
32.5°	449.4	450.0	467.9	512.4	530.1	544.0	533.1	539.1
35°	549.3	578.9	587.6	584.7	588.7	606.8	592.8	592.6
37.5°	631.1	630.9	626.2	619.4	628.8	642.4	645.0	633.0
40°	670.3	669.9	672.6	676.9	691.6	700.1	714.8	694.8
42.5°	725.2	722.3	732.5	743.4	756.1	764.4	786.6	765.0
45°	796.6	795.1	803.6	811.9	822.4	826.6	856.3	857.3
47.5°	878.4	882.4	871.6	880.7	892.0	901.2	938.0	943.2
50°	977.0	986.4	960.8	968.5	982.8	1003.6	1032.2	1052.6
52.5°	1115.2	1108.9	1089.3	1083.5	1112.1	1149.1	1177.4	1210.6
55°	1294.0	1272.4	1250.5	1239.8	1271.4	1320.8	1349.6	1392.6
57.5°	1488.9	1451.6	1393.8	1402.1	1417.7	1458.6	1474.0	1541.6
60°	1645.0	1583.0	1492.9	1472.0	1466.3	1488.2	1530.6	1564.6
62.5°	1705.9	1607.0	1476.9	1447.5	1400.8	1419.8	1449.7	1476.4
65°	1638.2	1510.6	1380.8	1328.2	1274.4	1292.8	1308.6	1325.2
67.5°	1454.6	1330.1	1210.2	1138.6	1090.1	1091.8	1113.1	1111.8
70°	1184.5	1064.1	963.2	904.2	855.8	847.1	859.2	869.4
72.5°	832.6	735.0	660.9	604.5	552.3	547.8	534.4	547.8
75°	478.8	385.3	325.7	266.7	213.4	202.4	184.0	187.0
77.5°	196.4	137.5	106.3	86.0	79.2	77.3	78.4	77.6
80°	79.6	73.0	71.4	71.2	72.6	73.5	73.9	70.5
82.5°	71.1	70.9	69.8	69.2	69.6	70.0	65.4	62.6
85°	66.6	66.4	65.0	64.1	64.3	62.2	55.6	49.4
87.5°	59.2	55.8	53.4	56.5	57.7	53.0	35.4	28.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)