

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: P156912

Luminaire Tested: **UTLD-E01-LED-E-U-5MQ-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P156912
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-E01-LED-E-U-5MQ-7060
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM
Light Source: (21) 5700K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2888.5 lumens
Efficiency: N/A
Efficacy: 116.9 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B2 - U0 - G1

Input Watts (W): 24.7
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: 28.75 FT

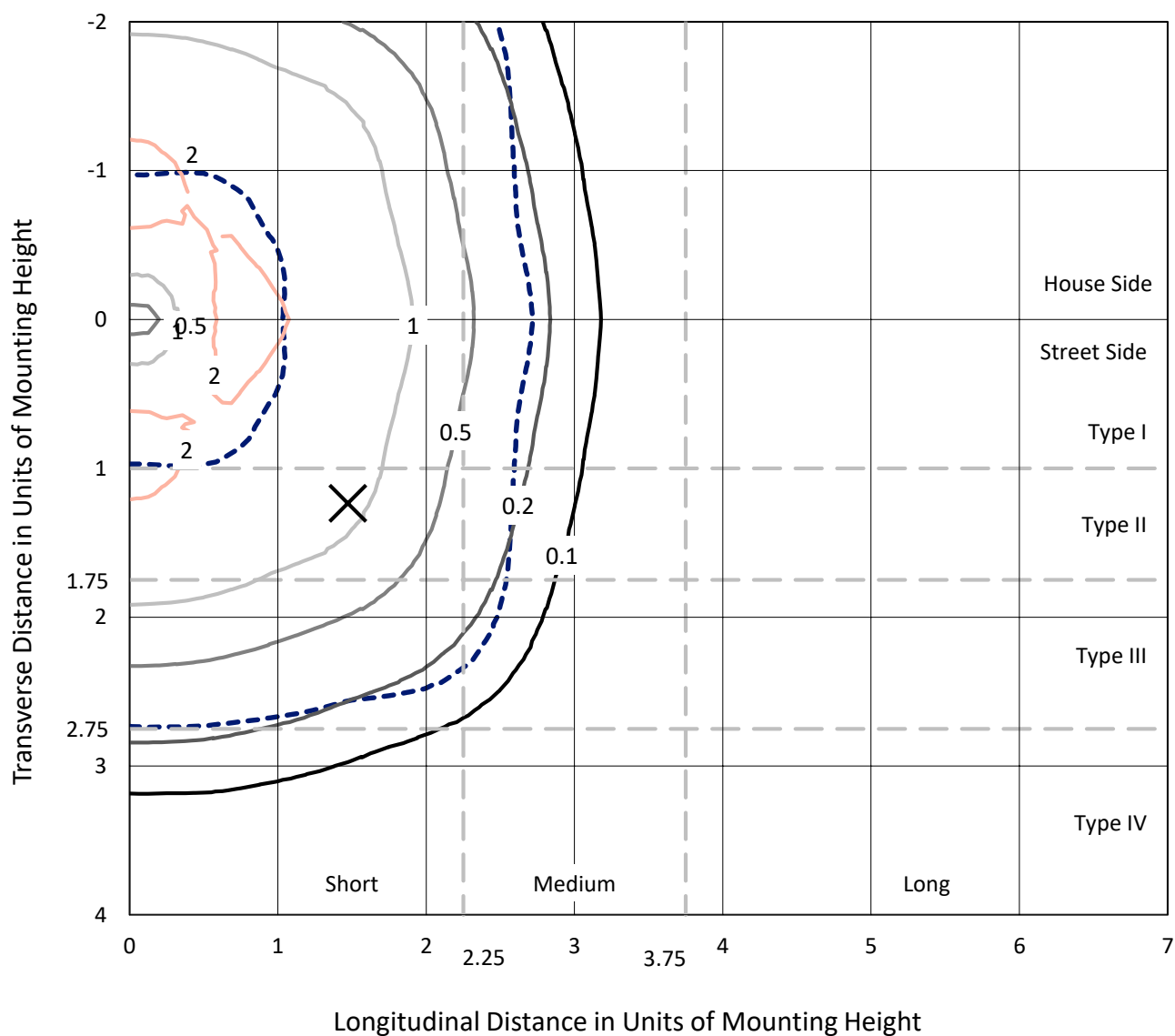


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

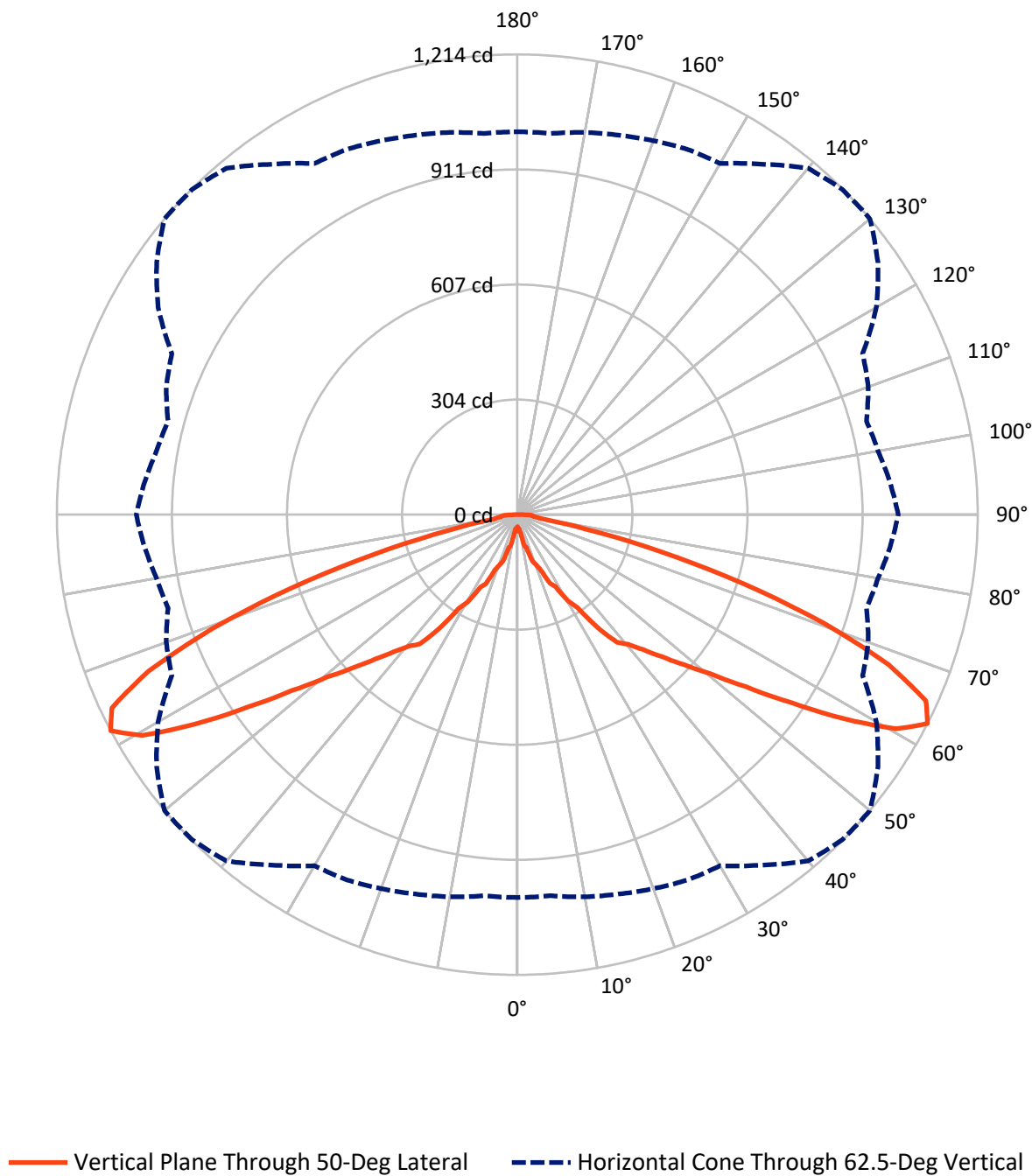


Based on 10 foot mounting height. Maximum calculated value = 2.3 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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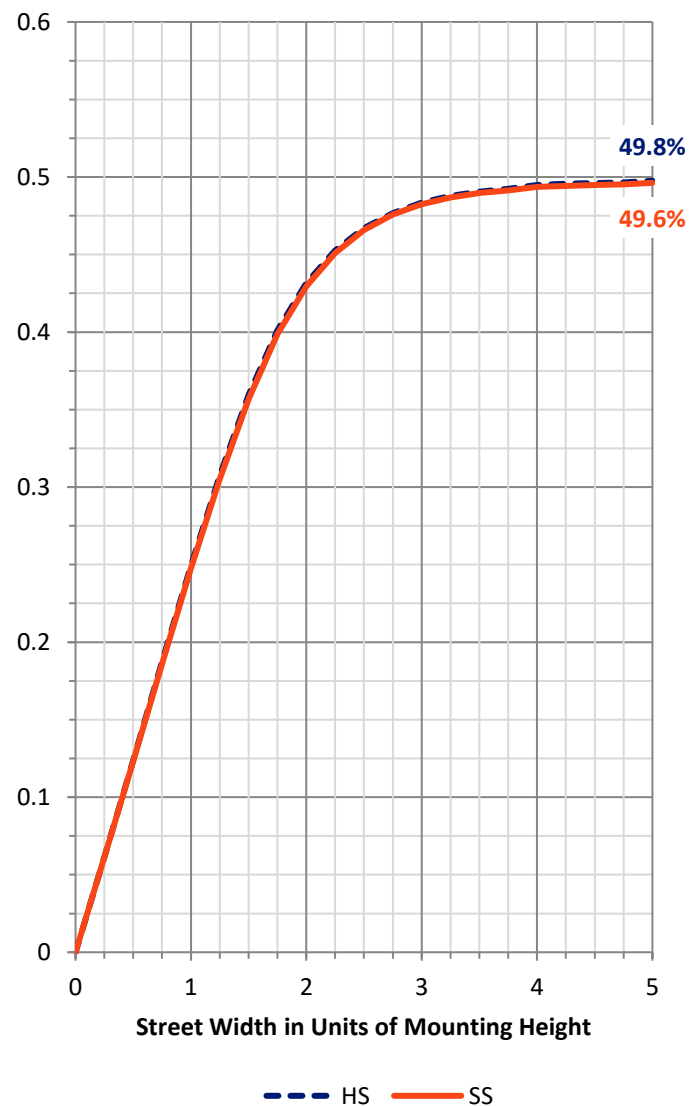
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1444.3	0.0	1444.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1444.3	0.0	1444.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	2888.5	0.0	2888.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.4	0.2
10°-20°	27.8	1.0
20°-30°	92.6	3.2
30°-40°	237.0	8.2
40°-50°	439.2	15.2
50°-60°	798.0	27.6
60°-70°	940.6	32.6
70°-80°	308.5	10.7
80°-90°	40.5	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°	2888.5	100.0
0°-180°	2888.5	100.0

Coefficient of Utilization



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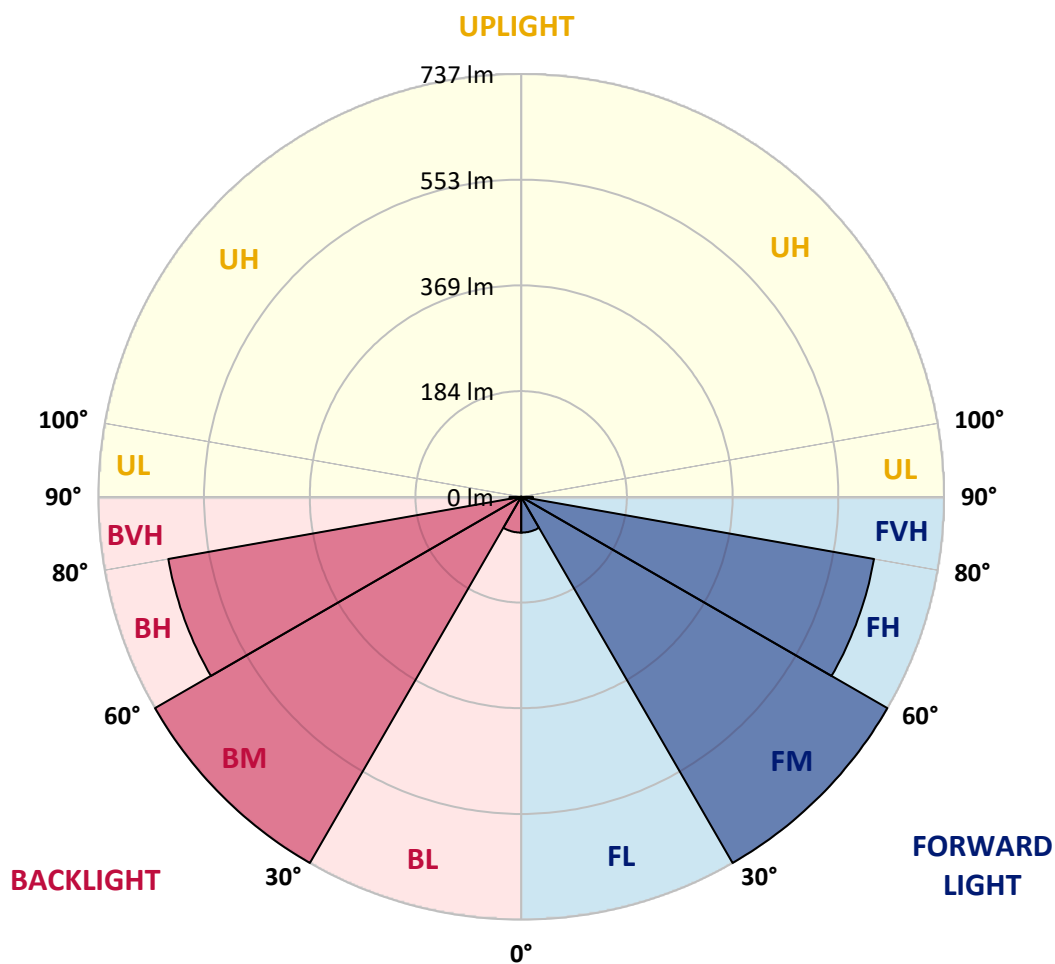
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	62.4	2.2			
FM	(30°-60°)	737.1	25.5			
FH	(60°-80°)	624.6	21.6			G0/660
FVH	(80°-90°)	20.2	0.7			G1/100
BL	(0°-30°)	62.4	2.2	B0/110		
BM	(30°-60°)	737.1	25.5	B1/1000		
BH	(60°-80°)	624.6	21.6	B2/1000		G0/660
BVH	(80°-90°)	20.2	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°	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3
2.5°	50.0	50.0	50.0	50.3	50.8	50.4	49.5	49.1	44.0	43.5	38.4
5°	36.7	36.8	37.1	37.0	37.1	38.1	37.4	38.1	37.2	38.5	44.6
7.5°	59.6	60.3	59.9	59.4	58.9	56.2	49.6	44.0	38.8	38.3	38.0
10°	63.9	64.2	63.9	63.6	63.5	63.5	63.2	61.3	60.6	59.2	50.7
12.5°	91.1	91.7	91.2	90.6	90.3	79.4	73.6	67.0	64.9	82.7	84.6
15°	96.4	97.4	96.4	95.8	95.6	94.0	92.8	107.1	105.7	90.2	89.6
17.5°	125.7	125.8	125.2	124.8	121.4	115.4	118.4	115.6	113.4	112.9	128.2
20°	143.9	141.6	137.2	130.7	127.0	141.6	143.2	139.0	129.0	135.6	140.8
22.5°	164.2	164.4	163.5	159.3	158.8	167.5	153.6	156.8	162.9	153.8	157.5
25°	202.6	202.5	199.5	185.1	182.3	179.0	178.6	183.0	173.7	187.1	200.6
27.5°	221.2	218.6	214.8	208.8	218.2	213.0	209.2	193.0	220.1	207.4	215.1
30°	270.6	269.1	262.0	258.2	255.8	238.4	232.0	246.9	240.4	243.0	263.7
32.5°	352.0	352.2	340.7	320.5	293.5	291.9	282.8	274.5	283.2	279.4	292.7
35°	425.8	416.1	391.8	384.7	370.4	364.0	354.4	341.0	347.3	345.4	367.6
37.5°	458.9	458.4	445.1	435.7	429.6	407.0	399.9	408.4	403.0	397.7	427.4
40°	529.8	528.6	514.1	500.1	485.8	452.1	441.2	434.0	428.4	429.6	449.4
42.5°	573.0	574.4	558.8	546.4	524.1	498.7	481.0	477.3	467.6	467.4	487.0
45°	621.8	621.3	609.9	593.2	570.4	550.3	526.1	523.8	515.4	515.0	534.2
47.5°	677.8	676.0	666.4	651.4	630.7	602.8	583.6	578.8	572.6	569.0	591.8
50°	754.0	753.6	741.9	723.4	706.6	679.4	655.8	644.2	641.7	637.1	659.5
52.5°	854.5	852.6	846.9	822.7	807.6	764.2	739.7	729.7	733.8	729.4	753.6
55°	963.5	958.6	956.2	934.3	922.7	881.1	852.6	848.2	852.8	856.7	875.1
57.5°	1050.2	1047.4	1051.1	1037.2	1020.9	994.4	966.6	979.3	993.4	999.0	1016.0
60°	1068.7	1070.5	1078.6	1079.6	1077.0	1071.8	1054.0	1084.1	1124.2	1137.7	1147.3
62.5°	1010.0	1009.2	1023.7	1036.1	1049.8	1063.2	1069.4	1128.3	1192.7	1212.6	1214.1
65°	906.0	906.9	924.6	937.5	954.4	976.1	1013.2	1076.9	1164.8	1189.5	1184.4
67.5°	767.8	774.0	788.2	809.6	824.6	849.8	893.7	956.6	1040.1	1063.1	1056.1
70°	598.8	606.1	621.0	634.4	656.7	688.5	714.4	783.3	849.9	868.8	858.1
72.5°	377.4	384.5	409.6	425.1	445.9	474.6	500.6	563.0	624.2	643.2	623.6
75°	133.6	140.0	163.1	184.7	207.3	240.6	275.9	330.4	393.8	417.4	389.5
77.5°	52.3	53.5	57.7	60.5	69.4	83.5	103.9	134.6	185.0	207.1	184.4
80°	46.0	48.1	50.7	52.3	52.4	51.6	50.7	53.2	64.4	72.0	62.7
82.5°	39.8	42.2	47.1	50.2	50.5	49.3	47.8	46.0	44.5	42.6	45.8
85°	29.2	35.4	42.2	46.3	47.1	46.0	45.5	43.6	40.4	36.6	41.4
87.5°	11.8	18.1	33.1	39.2	39.0	35.6	36.7	37.3	33.1	24.3	35.2
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°	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3
2.5°	38.7	35.0	33.6	31.9	31.6	31.2	31.2	31.0
5°	48.1	50.2	48.9	42.0	34.1	33.4	31.9	31.8
7.5°	38.1	38.0	43.6	48.2	44.9	33.7	33.3	33.0
10°	42.5	54.5	55.4	57.2	70.9	59.9	50.8	49.5
12.5°	82.7	68.1	59.5	61.3	65.4	70.9	54.2	52.0
15°	87.5	87.6	95.8	86.1	84.5	94.5	77.3	80.0
17.5°	111.6	110.7	110.3	93.0	91.0	90.6	92.9	87.2
20°	128.2	122.1	146.5	152.8	139.5	134.9	137.5	136.2
22.5°	171.9	176.1	163.8	162.8	159.9	175.9	180.3	173.6
25°	180.7	199.8	219.2	219.6	211.0	204.5	214.6	206.0
27.5°	237.6	232.9	239.4	234.6	258.8	252.4	251.9	243.2
30°	257.7	267.3	281.3	279.7	288.1	284.1	279.9	294.4
32.5°	305.8	306.2	318.4	348.6	360.7	370.2	362.7	366.8
35°	373.8	393.9	399.8	397.9	400.5	412.9	403.4	403.2
37.5°	429.4	429.3	426.1	421.5	427.9	437.1	438.9	430.7
40°	456.1	455.8	457.6	460.6	470.6	476.4	486.4	472.8
42.5°	493.4	491.5	498.4	505.9	514.5	520.1	535.2	520.5
45°	542.0	541.0	546.8	552.4	559.6	562.4	582.7	583.4
47.5°	597.7	600.4	593.1	599.2	606.9	613.2	638.2	641.8
50°	664.8	671.2	653.8	659.1	668.8	682.9	702.4	716.2
52.5°	758.8	754.6	741.2	737.3	756.8	781.9	801.1	823.7
55°	880.6	865.8	850.9	843.6	865.2	898.8	918.4	947.6
57.5°	1013.2	987.8	948.4	954.0	964.6	992.5	1003.0	1049.0
60°	1119.4	1077.2	1015.8	1001.6	997.8	1012.6	1041.5	1064.6
62.5°	1160.8	1093.5	1004.9	985.0	953.2	966.0	986.4	1004.6
65°	1114.7	1027.9	939.5	903.8	867.2	879.6	890.4	901.7
67.5°	989.8	905.0	823.5	774.7	741.8	742.9	757.4	756.5
70°	806.0	724.0	655.4	615.3	582.3	576.4	584.6	591.6
72.5°	566.5	500.1	449.7	411.3	375.8	372.7	363.6	372.8
75°	325.8	262.2	221.6	181.5	145.2	137.8	125.2	127.2
77.5°	133.6	93.5	72.4	58.5	53.8	52.6	53.4	52.8
80°	54.1	49.7	48.6	48.5	49.4	50.0	50.3	48.0
82.5°	48.4	48.2	47.4	47.0	47.3	47.6	44.5	42.6
85°	45.3	45.2	44.2	43.6	43.7	42.3	37.8	33.6
87.5°	40.3	38.0	36.3	38.5	39.2	36.1	24.1	19.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)