

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: P156913

Luminaire Tested: **UTLD-F01-LED-E-U-5MQ-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P156913
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-F01-LED-E-U-5MQ-8030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM
Light Source: (7) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1961.3 lumens
Efficiency: N/A
Efficacy: 75.7 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B1 - U0 - G1

Input Watts (W): 25.9
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: 28.75 FT

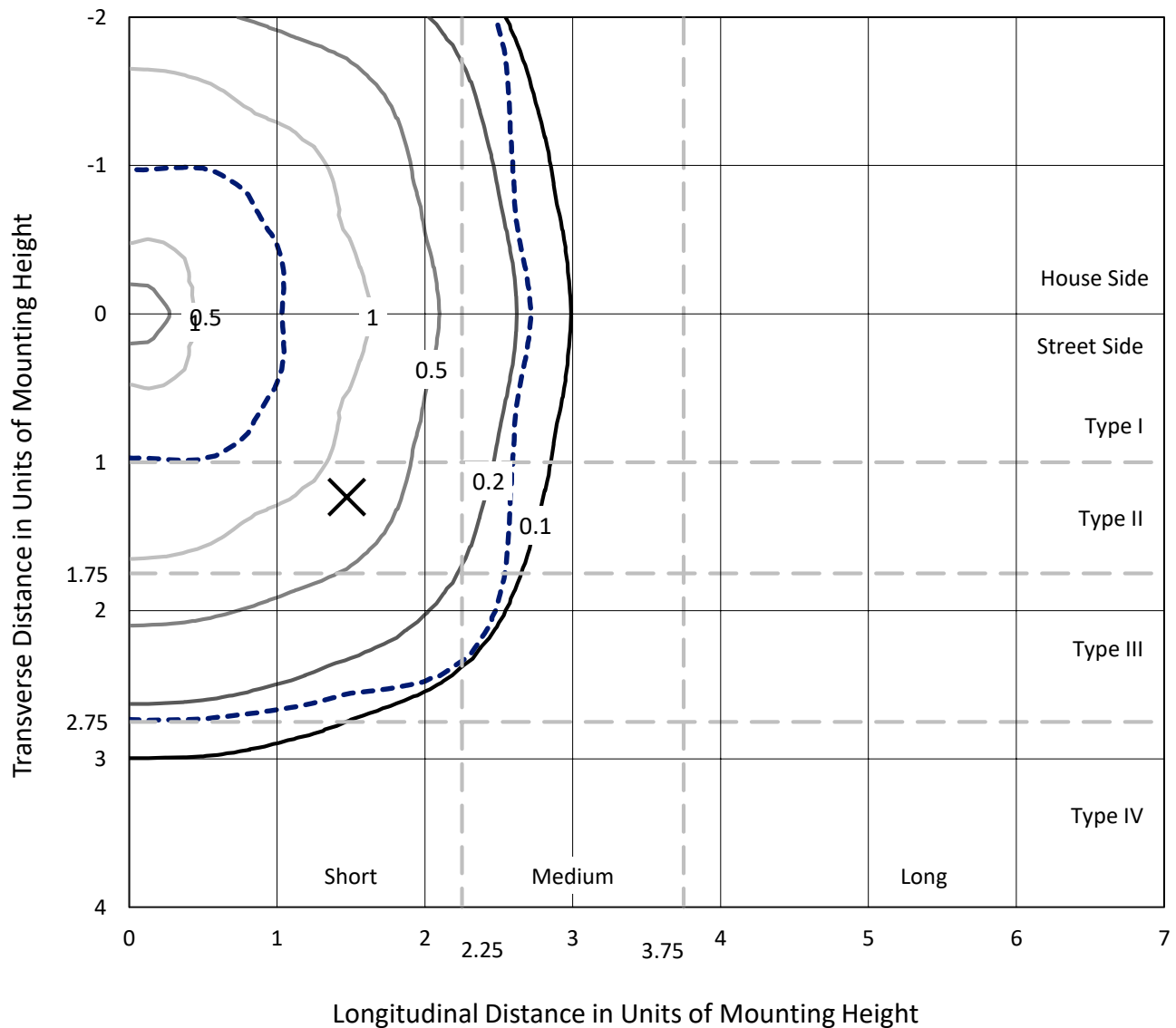


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

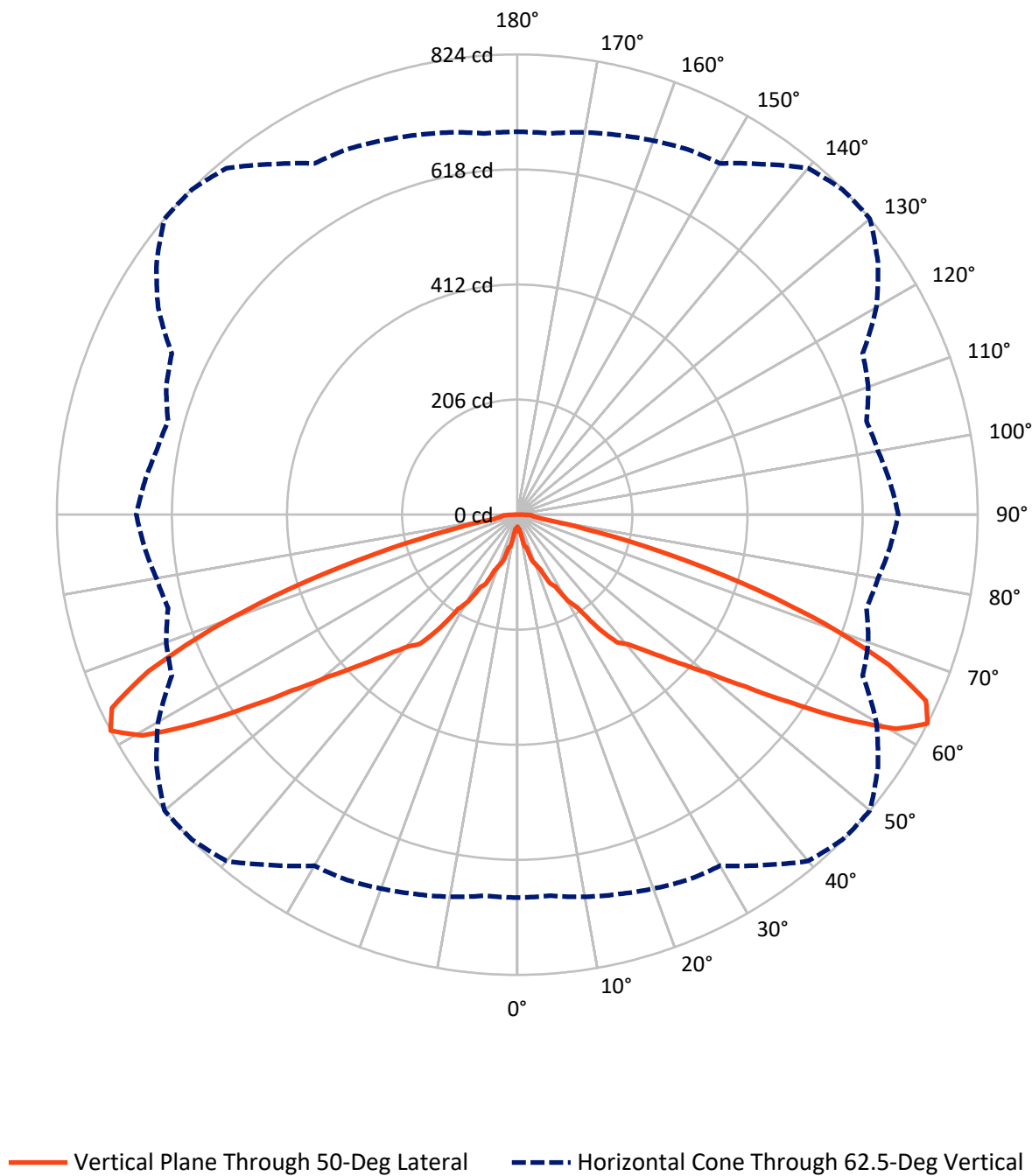


Based on 10 foot mounting height. Maximum calculated value = 1.6 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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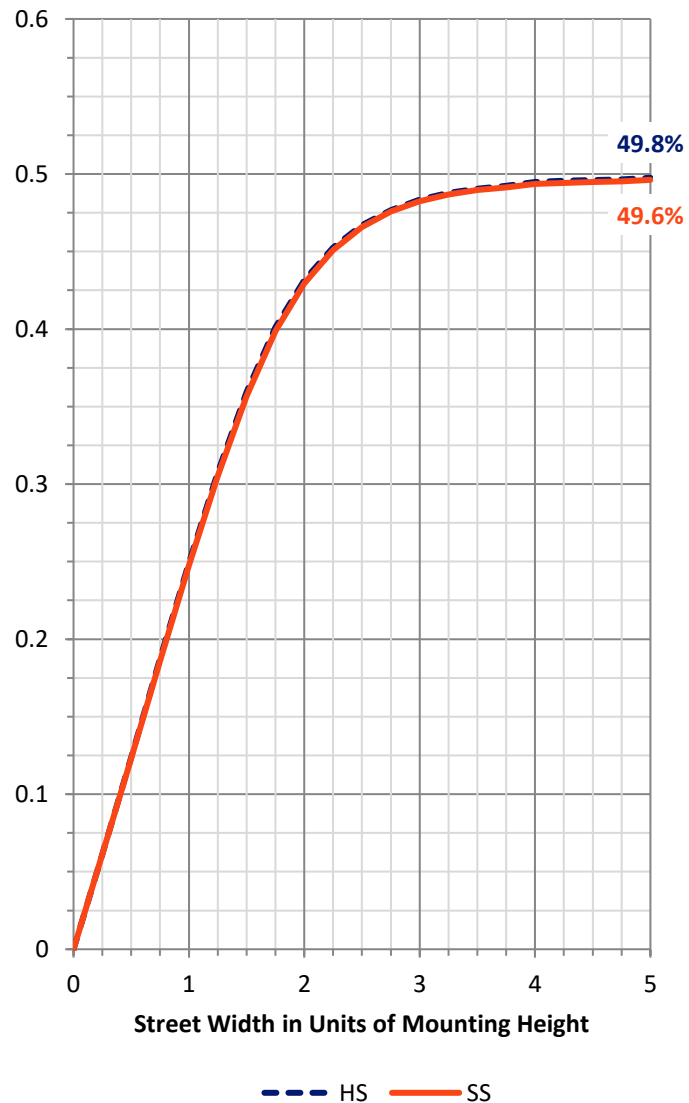
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	980.7	0.0	980.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	980.7	0.0	980.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	1961.3	0.0	1961.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.0	0.2
10°-20°	18.9	1.0
20°-30°	62.9	3.2
30°-40°	160.9	8.2
40°-50°	298.2	15.2
50°-60°	541.8	27.6
60°-70°	638.7	32.6
70°-80°	209.5	10.7
80°-90°	27.5	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°	1961.3	100.0
0°-180°	1961.3	100.0

Coefficient of Utilization



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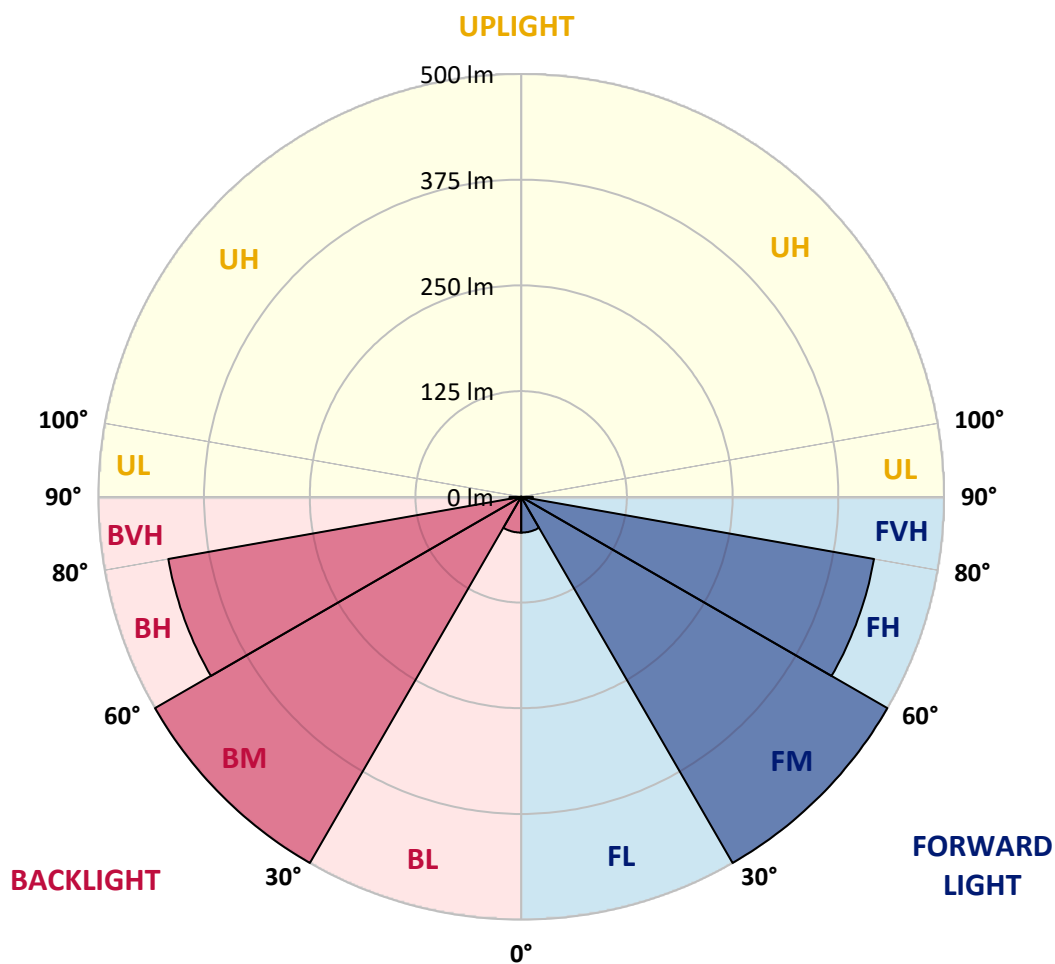
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	42.4	2.2			
FM	(30°-60°)	500.5	25.5			
FH	(60°-80°)	424.1	21.6			G0/660
FVH	(80°-90°)	13.7	0.7			G1/100
BL	(0°-30°)	42.4	2.2	B0/110		
BM	(30°-60°)	500.5	25.5	B1/1000		
BH	(60°-80°)	424.1	21.6	B1/500		G0/660
BVH	(80°-90°)	13.7	0.7			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3
2.5°	34.0	34.0	34.0	34.2	34.5	34.2	33.6	33.3	29.9	29.5	26.0
5°	25.0	25.0	25.2	25.1	25.2	25.8	25.4	25.9	25.3	26.1	30.3
7.5°	40.4	40.9	40.6	40.3	40.0	38.2	33.7	29.9	26.4	26.0	25.8
10°	43.4	43.6	43.4	43.2	43.1	43.1	42.9	41.6	41.2	40.2	34.4
12.5°	61.8	62.2	61.9	61.5	61.3	53.9	50.0	45.5	44.1	56.2	57.5
15°	65.5	66.2	65.5	65.0	64.9	63.8	63.0	72.7	71.7	61.2	60.9
17.5°	85.4	85.4	85.0	84.8	82.5	78.4	80.4	78.5	77.0	76.6	87.0
20°	97.7	96.1	93.2	88.8	86.2	96.2	97.3	94.4	87.6	92.1	95.6
22.5°	111.4	111.6	111.0	108.2	107.8	113.8	104.3	106.4	110.6	104.4	107.0
25°	137.6	137.5	135.4	125.7	123.8	121.6	121.3	124.3	117.9	127.0	136.2
27.5°	150.1	148.4	145.9	141.8	148.1	144.7	142.0	131.1	149.4	140.8	146.1
30°	183.8	182.7	178.0	175.3	173.7	161.9	157.5	167.6	163.2	165.0	179.0
32.5°	239.0	239.2	231.3	217.6	199.3	198.2	192.0	186.4	192.3	189.7	198.8
35°	289.2	282.5	266.1	261.2	251.5	247.2	240.6	231.6	235.9	234.6	249.6
37.5°	311.6	311.3	302.2	295.8	291.7	276.3	271.6	277.3	273.6	270.0	290.2
40°	359.7	358.9	349.1	339.6	329.8	307.0	299.6	294.8	290.9	291.7	305.2
42.5°	389.1	390.0	379.5	371.0	355.8	338.6	326.6	324.1	317.5	317.4	330.7
45°	422.2	421.9	414.2	402.8	387.3	373.6	357.2	355.7	349.9	349.7	362.8
47.5°	460.2	459.0	452.6	442.4	428.2	409.3	396.3	393.0	388.8	386.3	401.8
50°	511.9	511.6	503.7	491.2	479.8	461.4	445.3	437.5	435.7	432.6	447.8
52.5°	580.2	578.9	575.1	558.6	548.3	518.9	502.2	495.5	498.2	495.3	511.7
55°	654.2	650.9	649.3	634.4	626.5	598.2	578.9	575.9	579.1	581.7	594.2
57.5°	713.1	711.2	713.7	704.2	693.2	675.2	656.3	664.9	674.5	678.4	689.8
60°	725.7	726.9	732.4	733.1	731.3	727.8	715.6	736.1	763.4	772.5	779.0
62.5°	685.8	685.2	695.1	703.6	712.8	721.9	726.2	766.2	809.9	823.4	824.3
65°	615.2	615.8	627.8	636.5	648.1	662.8	687.9	731.2	790.9	807.7	804.2
67.5°	521.4	525.6	535.2	549.7	559.9	577.0	606.8	649.5	706.2	721.8	717.1
70°	406.6	411.5	421.6	430.8	445.9	467.5	485.1	531.9	577.1	590.0	582.6
72.5°	256.2	261.1	278.1	288.6	302.8	322.2	339.9	382.3	423.9	436.8	423.4
75°	90.8	95.0	110.8	125.4	140.7	163.4	187.4	224.4	267.3	283.4	264.5
77.5°	35.6	36.3	39.2	41.1	47.1	56.7	70.6	91.4	125.6	140.6	125.2
80°	31.2	32.7	34.4	35.5	35.6	35.0	34.4	36.2	43.7	48.9	42.6
82.5°	27.0	28.6	32.0	34.0	34.3	33.4	32.5	31.3	30.2	28.9	31.1
85°	19.8	24.0	28.7	31.4	32.0	31.2	30.9	29.6	27.4	24.8	28.1
87.5°	8.0	12.3	22.5	26.6	26.5	24.2	24.9	25.4	22.5	16.5	23.8
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°	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3
2.5°	26.3	23.8	22.8	21.7	21.4	21.2	21.2	21.1
5°	32.6	34.0	33.2	28.6	23.1	22.7	21.7	21.6
7.5°	25.9	25.8	29.6	32.8	30.5	22.9	22.6	22.4
10°	28.8	37.0	37.6	38.8	48.2	40.7	34.5	33.6
12.5°	56.2	46.2	40.4	41.6	44.4	48.2	36.8	35.4
15°	59.4	59.5	65.1	58.4	57.4	64.2	52.5	54.4
17.5°	75.8	75.1	74.9	63.2	61.8	61.5	63.0	59.2
20°	87.1	82.9	99.4	103.7	94.7	91.6	93.4	92.5
22.5°	116.7	119.6	111.2	110.5	108.6	119.4	122.5	117.9
25°	122.7	135.7	148.8	149.1	143.3	138.8	145.7	139.9
27.5°	161.3	158.1	162.6	159.3	175.8	171.4	171.0	165.2
30°	175.0	181.5	191.0	190.0	195.6	192.9	190.0	200.0
32.5°	207.6	207.9	216.2	236.7	244.9	251.4	246.3	249.1
35°	253.8	267.5	271.4	270.2	272.0	280.4	273.9	273.8
37.5°	291.6	291.5	289.3	286.2	290.5	296.8	298.0	292.4
40°	309.7	309.5	310.8	312.8	319.6	323.5	330.3	321.0
42.5°	335.0	333.7	338.4	343.5	349.4	353.1	363.4	353.4
45°	368.1	367.4	371.3	375.1	380.0	381.9	395.6	396.1
47.5°	405.8	407.7	402.7	406.9	412.1	416.4	433.4	435.8
50°	451.4	455.8	443.9	447.5	454.1	463.7	476.9	486.3
52.5°	515.2	512.4	503.3	500.6	513.8	530.9	544.0	559.3
55°	597.9	587.9	577.8	572.8	587.4	610.2	623.6	643.4
57.5°	688.0	670.7	644.0	647.8	655.0	673.9	681.1	712.2
60°	760.1	731.4	689.7	680.1	677.5	687.6	707.2	722.8
62.5°	788.2	742.5	682.4	668.8	647.2	656.0	669.8	682.1
65°	756.9	697.9	638.0	613.6	588.8	597.3	604.6	612.2
67.5°	672.1	614.5	559.2	526.0	503.7	504.4	514.3	513.7
70°	547.3	491.6	445.0	417.8	395.4	391.4	397.0	401.6
72.5°	384.7	339.6	305.4	279.3	255.2	253.1	246.9	253.1
75°	221.2	178.0	150.5	123.2	98.6	93.5	85.0	86.4
77.5°	90.8	63.5	49.2	39.7	36.6	35.7	36.2	35.8
80°	36.8	33.7	33.0	32.9	33.5	33.9	34.1	32.6
82.5°	32.8	32.7	32.2	32.0	32.1	32.3	30.2	28.9
85°	30.7	30.6	30.0	29.6	29.7	28.8	25.7	22.8
87.5°	27.4	25.8	24.6	26.1	26.6	24.5	16.4	13.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)