

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: P156946

Luminaire Tested: **UTLD-F01-LED-E-U-5WQ-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P156946
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33665)
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-5WQ-7050
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (7) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2393.4 lumens
Efficiency: N/A
Efficacy: 92.4 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B2 - 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

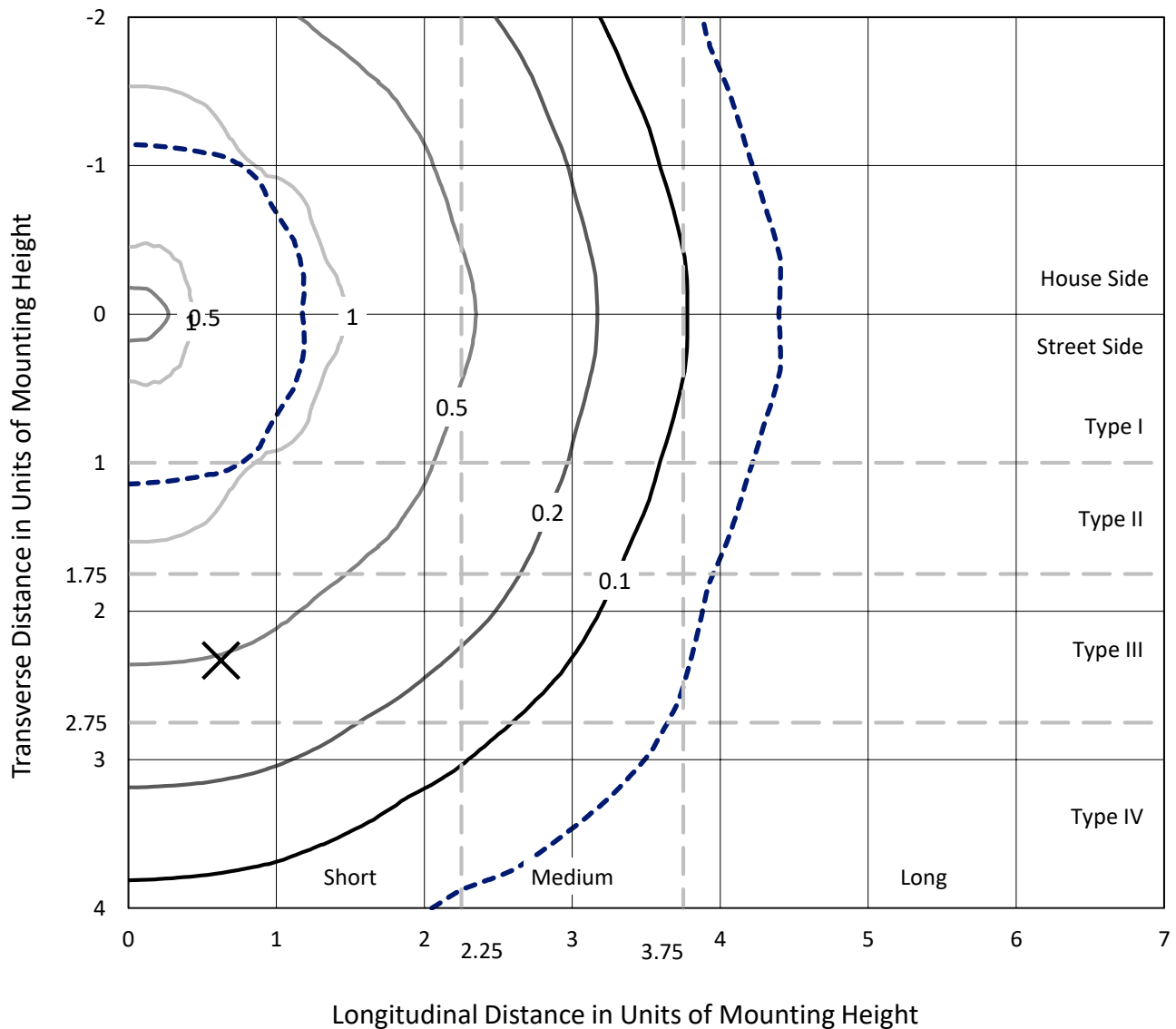


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

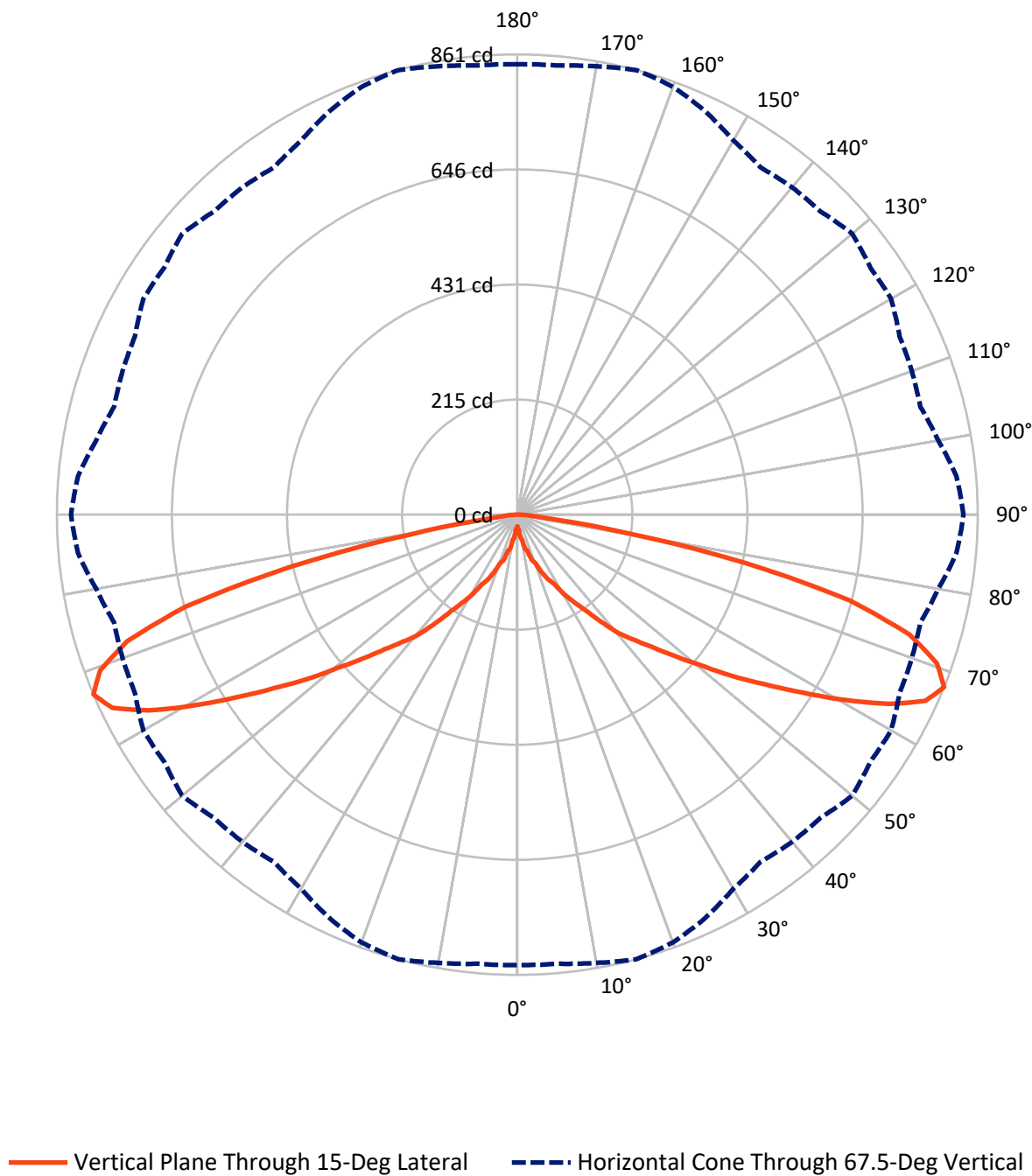


Based on 10 foot mounting height. Maximum calculated value = 1.3 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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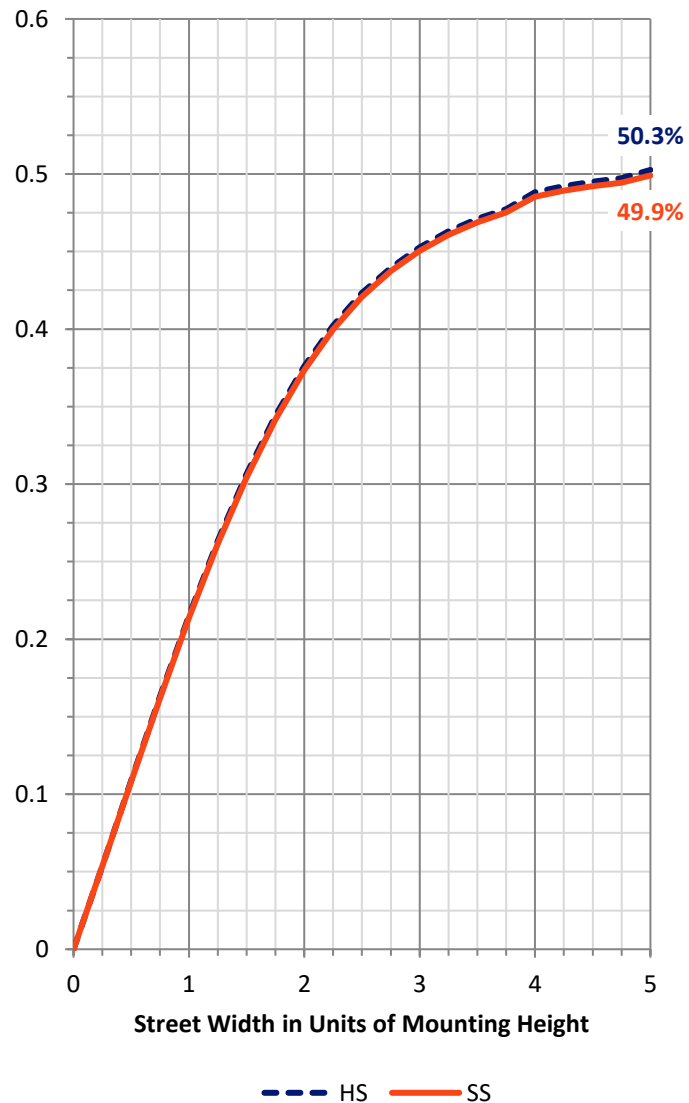
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1196.7	0.0	1196.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1196.7	0.0	1196.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	2393.4	0.0	2393.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.2	0.1
10°-20°	19.8	0.8
20°-30°	65.5	2.7
30°-40°	141.6	5.9
40°-50°	265.0	11.1
50°-60°	480.8	20.1
60°-70°	760.5	31.8
70°-80°	598.0	25.0
80°-90°	59.1	2.5
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°	2393.4	100.0
0°-180°	2393.4	100.0

Coefficient of Utilization



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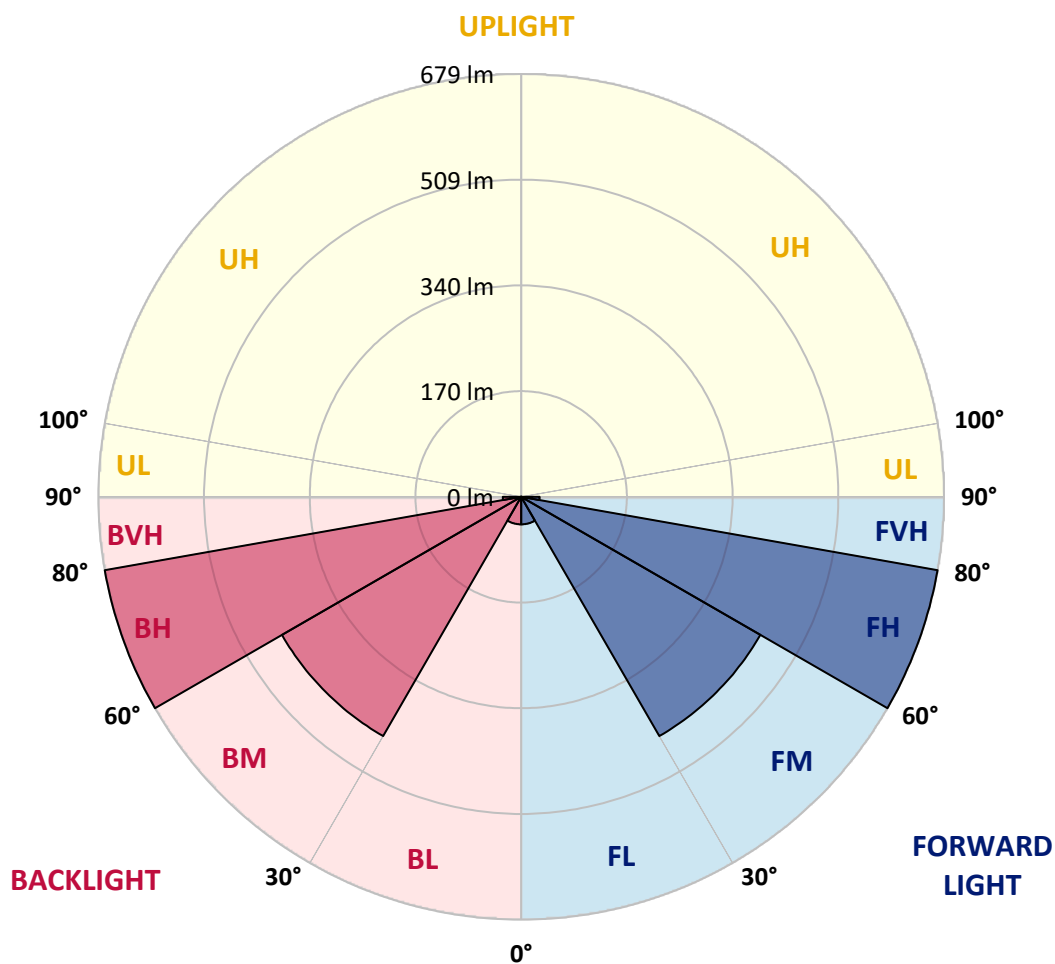
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	44.2	1.8			
FM	(30°-60°)	443.7	18.5			
FH	(60°-80°)	679.2	28.4			G1/1800
FVH	(80°-90°)	29.5	1.2			G1/100
BL	(0°-30°)	44.2	1.8	B0/110		
BM	(30°-60°)	443.7	18.5	B1/1000		
BH	(60°-80°)	679.2	28.4	B2/1000		G1/1800
BVH	(80°-90°)	29.5	1.2			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°	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
2.5°	34.5	34.4	34.4	34.4	34.8	33.8	32.2	31.0	30.3	30.2	29.5
5°	27.3	27.2	27.2	27.3	27.2	27.5	27.4	28.2	28.1	30.0	32.5
7.5°	43.8	44.1	43.9	43.4	42.4	39.3	37.0	35.0	29.4	28.7	27.8
10°	47.4	47.4	47.4	46.7	46.8	46.8	46.4	45.5	44.9	43.5	37.0
12.5°	65.6	65.9	66.0	65.5	64.2	57.8	56.0	49.8	48.6	56.8	58.6
15°	71.0	71.3	71.0	69.9	69.5	68.7	67.6	72.6	74.2	67.8	63.0
17.5°	90.8	91.1	90.8	90.0	88.2	82.7	84.4	82.8	81.8	80.5	85.1
20°	104.6	105.2	100.5	96.2	93.6	97.8	102.9	100.8	95.2	95.8	98.6
22.5°	119.4	119.4	119.0	116.8	116.8	122.4	113.1	111.2	118.1	109.9	106.8
25°	144.2	143.6	142.3	133.7	131.0	130.4	128.5	132.4	127.0	137.9	144.2
27.5°	153.3	152.7	149.5	146.8	153.8	151.6	148.9	138.8	159.8	149.5	152.9
30°	177.0	177.0	174.3	172.5	174.1	164.0	160.6	172.5	169.1	170.4	185.7
32.5°	208.0	208.2	204.6	194.5	185.3	187.1	185.5	186.4	191.6	190.3	199.2
35°	242.0	233.4	227.6	220.0	214.9	212.5	209.4	202.8	210.5	208.8	218.0
37.5°	262.0	262.8	258.0	253.6	250.2	235.4	229.0	231.7	232.0	227.6	243.7
40°	303.0	303.5	296.5	291.3	285.8	266.9	256.8	254.2	254.9	255.5	266.7
42.5°	330.2	330.2	324.7	320.0	310.4	298.0	287.7	282.5	283.6	282.4	294.4
45°	362.2	362.8	358.4	352.6	342.3	335.2	319.9	316.2	316.7	314.7	328.0
47.5°	402.8	402.7	401.0	394.5	386.0	373.8	363.1	354.2	355.1	353.9	367.8
50°	450.4	450.4	449.4	441.2	436.2	423.2	409.4	398.3	397.8	397.9	413.7
52.5°	503.6	504.2	505.8	500.2	492.7	474.7	458.1	446.5	445.9	447.0	465.6
55°	562.9	565.8	565.4	559.2	554.4	534.2	512.1	501.2	498.2	500.5	518.9
57.5°	629.4	630.8	632.6	627.7	616.0	597.9	567.8	558.8	554.0	558.8	578.1
60°	703.0	706.6	706.2	703.8	690.6	670.7	629.6	621.0	618.3	620.6	641.8
62.5°	780.6	780.7	785.2	780.0	767.4	747.6	701.0	685.9	682.0	683.9	706.8
65°	834.8	835.4	840.4	839.2	829.5	808.2	773.8	748.8	749.2	751.6	772.8
67.5°	842.6	843.4	851.5	861.0	851.6	832.4	808.1	793.0	799.4	802.0	817.8
70°	811.0	812.6	822.4	832.6	830.7	815.9	794.3	789.0	795.5	801.0	815.9
72.5°	749.2	750.1	757.3	766.6	759.2	746.4	721.7	730.6	729.6	736.7	751.4
75°	636.0	633.0	640.2	642.7	630.1	616.9	596.6	611.0	604.8	610.9	618.4
77.5°	427.4	424.4	427.2	437.7	428.8	427.6	422.2	438.5	441.1	444.9	445.5
80°	165.2	171.0	185.9	202.6	207.4	219.9	230.1	248.6	261.0	271.2	266.0
82.5°	32.6	35.8	43.3	52.5	62.9	75.6	91.0	106.7	122.0	130.1	123.8
85°	11.9	14.3	18.1	21.3	22.5	24.1	27.0	32.5	37.9	39.0	39.4
87.5°	3.2	5.5	10.3	13.9	14.0	12.6	13.4	14.0	12.3	9.8	13.2
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°	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
2.5°	28.6	26.5	24.4	23.2	22.8	22.4	22.0	21.8
5°	33.0	34.3	32.8	30.2	26.4	24.4	22.9	22.5
7.5°	28.2	28.2	32.5	34.0	30.2	27.0	23.8	23.2
10°	31.8	34.8	37.9	41.4	46.8	42.3	35.6	34.5
12.5°	57.7	49.0	42.0	42.0	47.7	48.2	38.6	37.5
15°	61.3	61.6	64.4	58.4	57.3	62.2	55.5	53.4
17.5°	77.6	76.6	74.6	65.9	61.4	63.0	63.8	61.6
20°	90.2	85.7	106.6	108.6	99.2	99.5	97.9	96.2
22.5°	124.4	125.4	117.8	117.6	110.3	122.8	135.2	129.8
25°	131.4	138.2	161.2	157.6	153.1	146.6	149.9	142.3
27.5°	171.1	166.9	171.3	166.9	178.8	172.9	169.3	167.5
30°	179.8	187.5	192.1	188.6	189.4	188.6	182.4	185.5
32.5°	205.6	202.1	209.1	214.8	218.6	219.5	209.1	215.2
35°	222.8	231.8	231.0	229.0	230.8	234.2	228.7	229.0
37.5°	246.5	248.7	246.9	246.4	247.4	249.2	250.1	247.0
40°	268.2	269.8	268.4	270.4	271.8	272.6	279.8	268.8
42.5°	298.7	296.4	298.4	300.9	300.4	300.3	306.9	301.0
45°	333.0	332.5	330.9	332.6	336.7	330.6	341.0	339.3
47.5°	372.8	372.8	370.0	371.7	378.4	373.6	382.8	385.6
50°	419.1	420.2	412.6	416.9	418.6	419.6	428.4	436.2
52.5°	470.8	471.9	461.4	463.8	462.5	470.5	480.2	492.4
55°	527.2	525.4	512.2	516.6	517.1	531.0	537.0	557.0
57.5°	583.3	582.8	573.7	573.6	581.8	596.2	601.2	623.7
60°	645.1	645.2	634.0	636.6	644.1	658.3	677.1	695.8
62.5°	709.1	713.9	704.2	696.8	705.1	723.4	751.8	766.2
65°	766.4	776.0	760.2	760.1	750.7	780.8	802.8	820.6
67.5°	806.0	807.3	788.8	785.3	780.3	799.6	824.6	834.4
70°	806.0	793.1	775.1	772.4	764.0	771.5	801.8	807.4
72.5°	742.0	727.9	703.4	707.6	698.0	708.6	732.5	735.2
75°	608.6	589.9	573.2	579.9	574.6	593.8	614.4	609.9
77.5°	434.0	411.0	389.2	388.9	389.5	394.2	408.5	401.9
80°	250.4	228.4	207.3	194.3	181.0	170.1	163.8	155.4
82.5°	110.2	88.8	72.5	58.4	49.7	40.2	35.3	30.3
85°	34.8	28.5	24.4	22.2	20.4	19.1	16.5	14.2
87.5°	15.6	15.4	14.4	14.8	14.8	12.8	8.9	7.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)