

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: P156976

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P156976
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33666)
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-5XQ-7050
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (7) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2408.3 lumens
Efficiency: N/A
Efficacy: 93.0 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type V - Short - Non-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



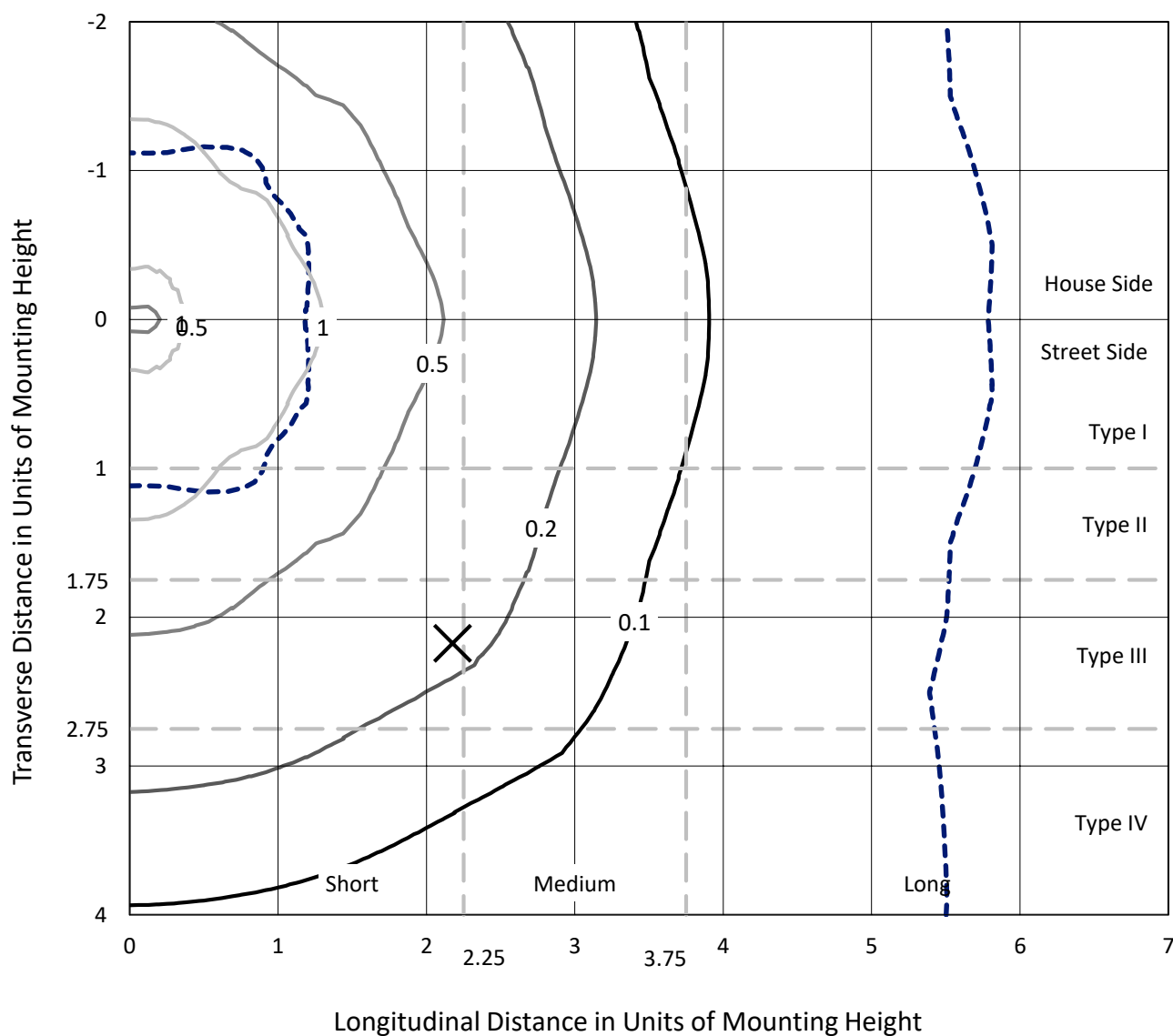
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

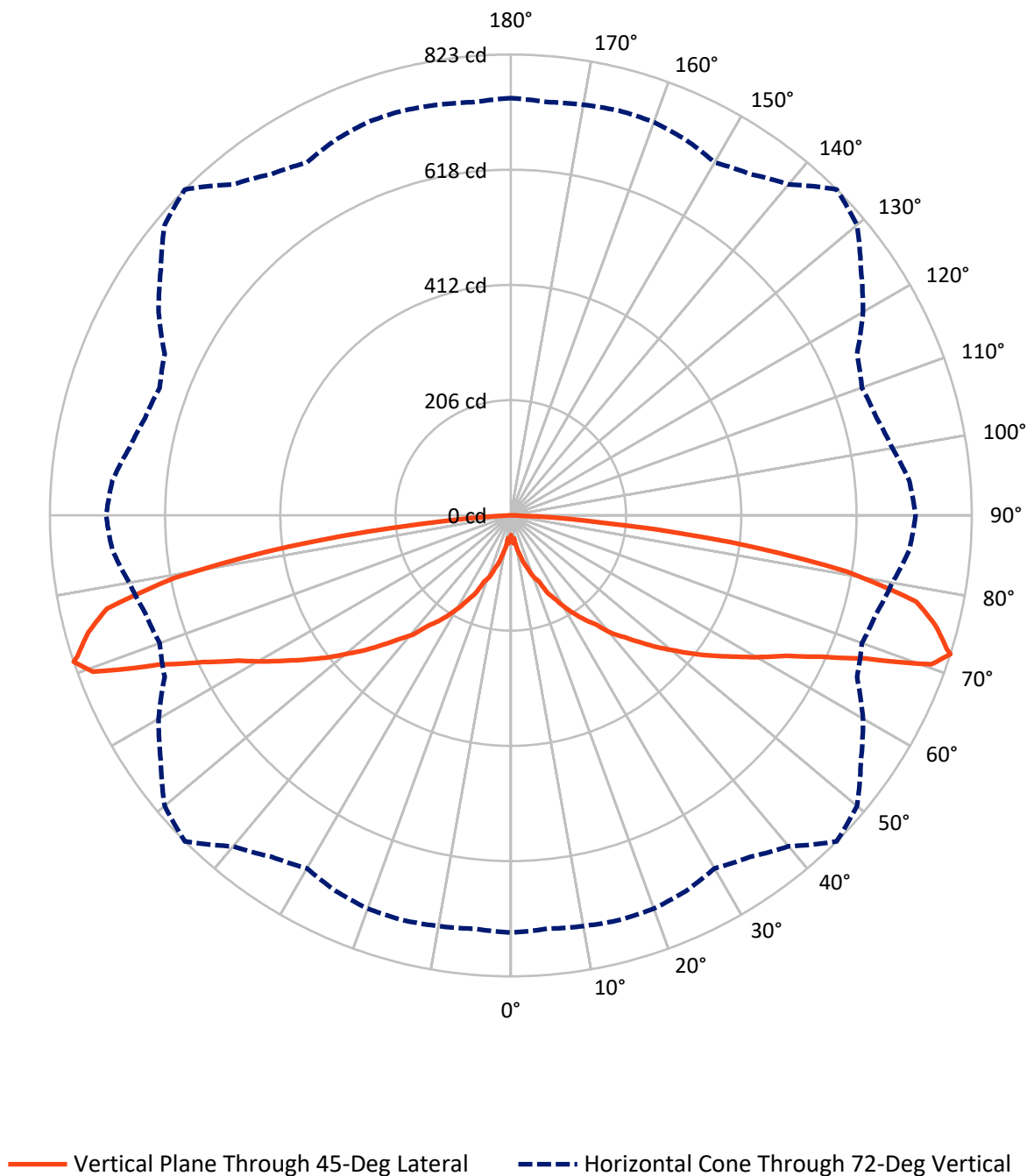


Based on 10 foot mounting height. Maximum calculated value = 1.5 fc
Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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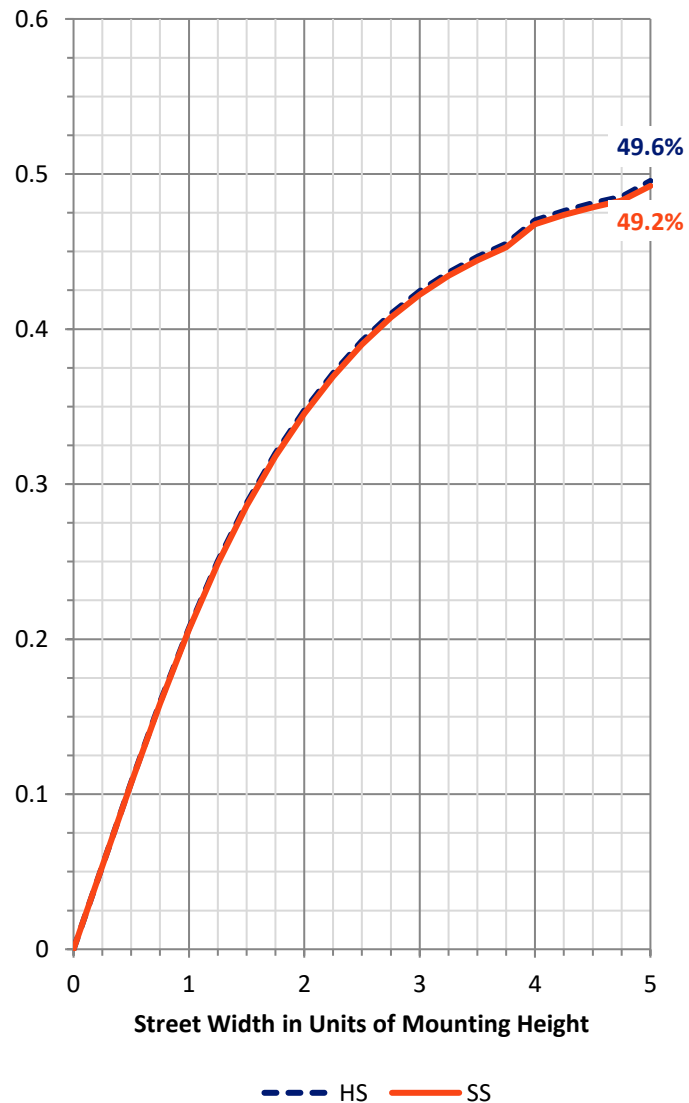
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1204.1	0.0	1204.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1204.1	0.0	1204.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	2408.3	0.0	2408.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.7	0.2
10°-20°	25.6	1.1
20°-30°	76.0	3.2
30°-40°	154.4	6.4
40°-50°	263.3	10.9
50°-60°	408.5	17.0
60°-70°	612.5	25.4
70°-80°	708.4	29.4
80°-90°	155.0	6.4
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°	2408.3	100.0
0°-180°	2408.3	100.0

Coefficient of Utilization



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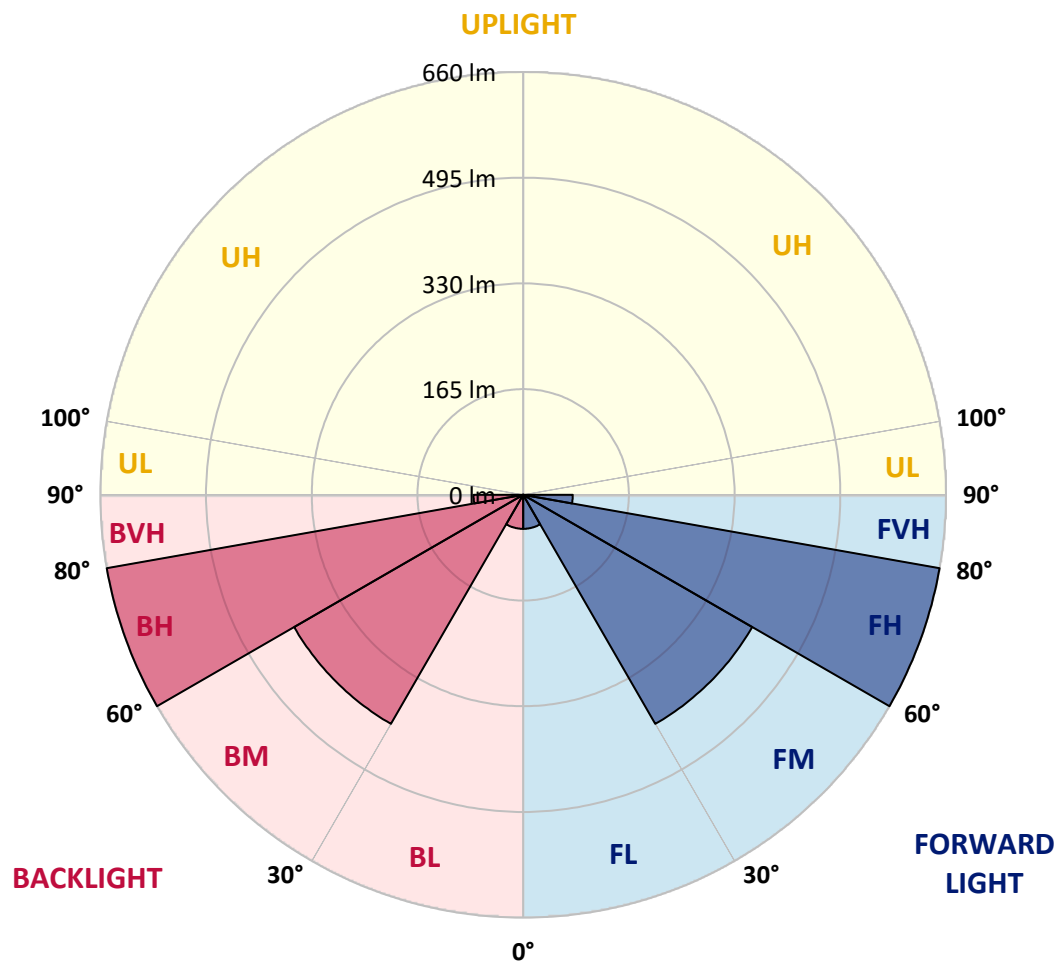
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	53.1	2.2			
FM	(30°-60°)	413.1	17.2			
FH	(60°-80°)	660.4	27.4			G1/1800
FVH	(80°-90°)	77.5	3.2			G1/100
BL	(0°-30°)	53.1	2.2	B0/110		
BM	(30°-60°)	413.1	17.2	B1/1000		
BH	(60°-80°)	660.4	27.4	B2/1000		G1/1800
BVH	(80°-90°)	77.5	3.2			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°	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
2.5°	55.5	54.6	55.1	54.6	54.6	54.2	48.7	47.0	47.0	47.4	46.6
5°	41.1	41.5	41.1	42.4	43.2	41.5	41.5	42.4	42.8	50.0	50.8
7.5°	63.5	64.0	63.5	63.1	58.4	53.8	52.9	51.7	42.4	41.5	40.7
10°	66.1	66.1	66.9	65.2	64.8	64.8	64.4	64.0	61.4	60.1	51.2
12.5°	88.1	88.9	88.5	87.7	87.2	76.7	75.0	66.9	64.0	72.8	80.5
15°	91.9	91.5	92.3	90.6	89.8	89.8	86.0	89.4	95.7	88.5	83.0
17.5°	113.9	113.9	113.9	113.1	110.1	101.6	102.5	104.2	103.8	100.8	104.2
20°	127.5	127.5	126.6	118.6	113.1	118.2	125.4	121.6	116.5	118.2	121.1
22.5°	140.2	140.6	139.8	137.2	136.8	141.0	134.7	130.9	139.3	127.5	133.4
25°	165.2	165.6	164.3	152.5	150.8	150.8	149.9	152.1	146.5	153.7	163.9
27.5°	178.7	171.1	169.8	166.5	173.7	170.7	169.4	160.1	179.2	169.4	176.2
30°	199.1	199.1	197.4	195.3	194.0	185.1	181.7	187.6	188.5	190.6	208.4
32.5°	229.6	230.4	225.7	214.3	206.7	205.0	207.5	206.7	208.8	210.1	224.9
35°	254.5	255.0	246.5	238.9	233.4	227.9	226.6	223.6	229.1	229.6	241.0
37.5°	281.2	283.8	275.7	271.9	263.0	254.5	244.8	243.5	249.5	247.3	265.6
40°	321.0	322.3	315.1	306.6	288.0	278.3	267.3	266.0	266.4	276.1	285.0
42.5°	345.6	346.0	339.7	329.5	318.5	307.1	291.8	286.3	288.9	297.3	305.4
45°	373.1	372.7	367.2	359.2	347.7	332.9	314.7	310.0	312.6	323.2	330.4
47.5°	401.5	400.7	396.9	387.5	373.6	357.5	339.3	337.6	337.6	351.5	357.5
50°	429.0	429.5	425.7	416.8	399.8	384.1	369.7	363.0	365.1	379.5	386.3
52.5°	460.0	460.8	455.3	446.0	427.8	415.9	401.5	391.3	391.3	411.3	417.2
55°	492.2	492.6	489.2	477.3	463.4	449.4	432.4	420.1	420.6	442.6	447.7
57.5°	525.2	524.3	520.5	511.6	502.3	479.9	461.7	450.6	453.6	476.1	479.9
60°	559.9	559.5	555.7	547.2	533.2	505.7	495.1	488.3	485.8	513.8	514.2
62.5°	599.7	598.0	595.1	587.4	568.4	543.4	532.0	528.6	523.5	552.3	553.6
65°	648.9	645.9	643.8	635.3	616.2	587.0	572.2	576.0	572.6	608.2	603.5
67.5°	724.7	719.2	712.4	704.8	683.6	656.9	636.6	645.0	642.9	681.9	680.2
70°	786.1	782.7	782.3	781.4	771.3	754.3	731.9	739.1	748.0	797.1	792.0
72°	745.4	741.2	745.0	748.4	747.5	740.3	728.1	744.6	771.7	823.4	807.3
72.5°	735.7	731.4	734.0	737.0	737.0	730.2	719.2	734.8	763.6	814.0	798.8
75°	690.4	689.1	691.2	695.0	699.3	695.9	694.2	703.9	734.0	783.5	764.5
77.5°	615.8	617.5	620.1	625.6	633.6	637.4	647.2	662.4	696.3	740.3	724.7
80°	470.1	467.6	473.9	485.4	493.8	502.3	515.4	534.1	569.7	609.5	585.3
82.5°	157.1	175.8	185.9	208.0	236.8	256.7	285.0	322.3	365.9	399.0	368.9
85°	13.6	16.1	22.4	30.9	39.8	52.9	80.0	100.4	132.6	162.2	137.2
87.5°	3.4	5.5	9.7	13.6	14.0	14.4	16.1	17.4	19.1	19.5	24.1
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°	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
2.5°	45.7	43.6	39.8	36.0	35.6	35.2	34.7	34.3
5°	51.2	54.2	47.0	46.2	44.5	36.4	35.2	34.3
7.5°	41.1	41.5	48.3	48.3	43.6	42.4	35.2	34.3
10°	45.7	44.5	54.6	64.0	66.5	61.8	51.7	50.8
12.5°	77.9	67.8	58.4	59.3	66.5	64.4	57.6	50.4
15°	82.6	79.6	80.9	80.5	79.6	85.1	76.7	75.0
17.5°	101.6	98.7	97.8	87.2	82.6	83.0	85.1	79.6
20°	109.3	109.7	132.1	132.6	124.1	122.8	122.4	121.1
22.5°	147.8	147.0	142.3	140.6	132.1	156.7	160.1	160.1
25°	155.0	167.3	184.7	184.2	179.6	172.4	173.7	165.6
27.5°	193.1	193.1	192.7	196.9	203.3	199.5	196.9	193.1
30°	201.2	214.3	217.7	211.3	214.3	218.5	223.2	227.4
32.5°	224.5	222.4	234.6	240.1	244.8	248.2	237.2	241.4
35°	243.1	250.7	252.9	252.9	256.2	258.4	251.2	251.2
37.5°	264.3	267.7	266.0	268.5	269.8	274.5	273.6	271.5
40°	282.1	285.5	284.6	286.3	285.9	293.9	296.5	287.6
42.5°	304.5	306.6	305.4	306.2	311.7	315.5	323.6	318.1
45°	327.0	329.1	327.8	329.1	338.4	340.1	351.1	350.3
47.5°	352.8	353.2	353.2	357.5	365.5	366.8	379.1	378.6
50°	380.3	382.5	378.6	384.1	393.0	398.5	408.7	414.2
52.5°	411.3	412.9	403.2	416.8	424.0	432.4	437.5	446.4
55°	439.2	441.7	431.6	445.1	451.9	460.0	472.7	480.7
57.5°	468.9	467.2	467.2	470.6	476.9	487.9	504.4	519.3
60°	502.7	496.8	496.0	496.0	508.2	527.3	540.4	555.7
62.5°	542.1	532.4	534.1	528.2	542.6	565.8	581.5	600.6
65°	589.1	577.7	575.2	572.2	582.8	608.6	632.8	647.2
67.5°	659.0	642.1	632.8	629.8	642.1	666.6	697.1	712.4
70°	762.8	733.1	701.4	694.2	694.6	718.7	743.7	757.7
72°	763.6	726.4	682.3	667.5	676.0	692.1	714.5	723.0
72.5°	752.2	716.6	670.5	659.4	672.2	684.4	709.0	715.4
75°	726.4	690.8	644.6	637.4	642.5	650.6	673.8	676.0
77.5°	683.6	643.8	587.9	573.9	561.6	578.6	595.9	590.4
80°	548.5	503.2	450.2	439.6	418.5	429.9	440.1	432.0
82.5°	322.3	268.5	221.9	195.7	162.2	154.2	157.6	132.1
85°	102.5	68.6	48.3	32.6	28.8	22.4	18.6	16.1
87.5°	22.4	18.6	16.9	15.7	15.7	13.1	9.3	7.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)