

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: P156974

Luminaire Tested: **UTLD-F01-LED-E-U-5XQ-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P156974
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-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (7) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2143.6 lumens
Efficiency: N/A
Efficacy: 82.8 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

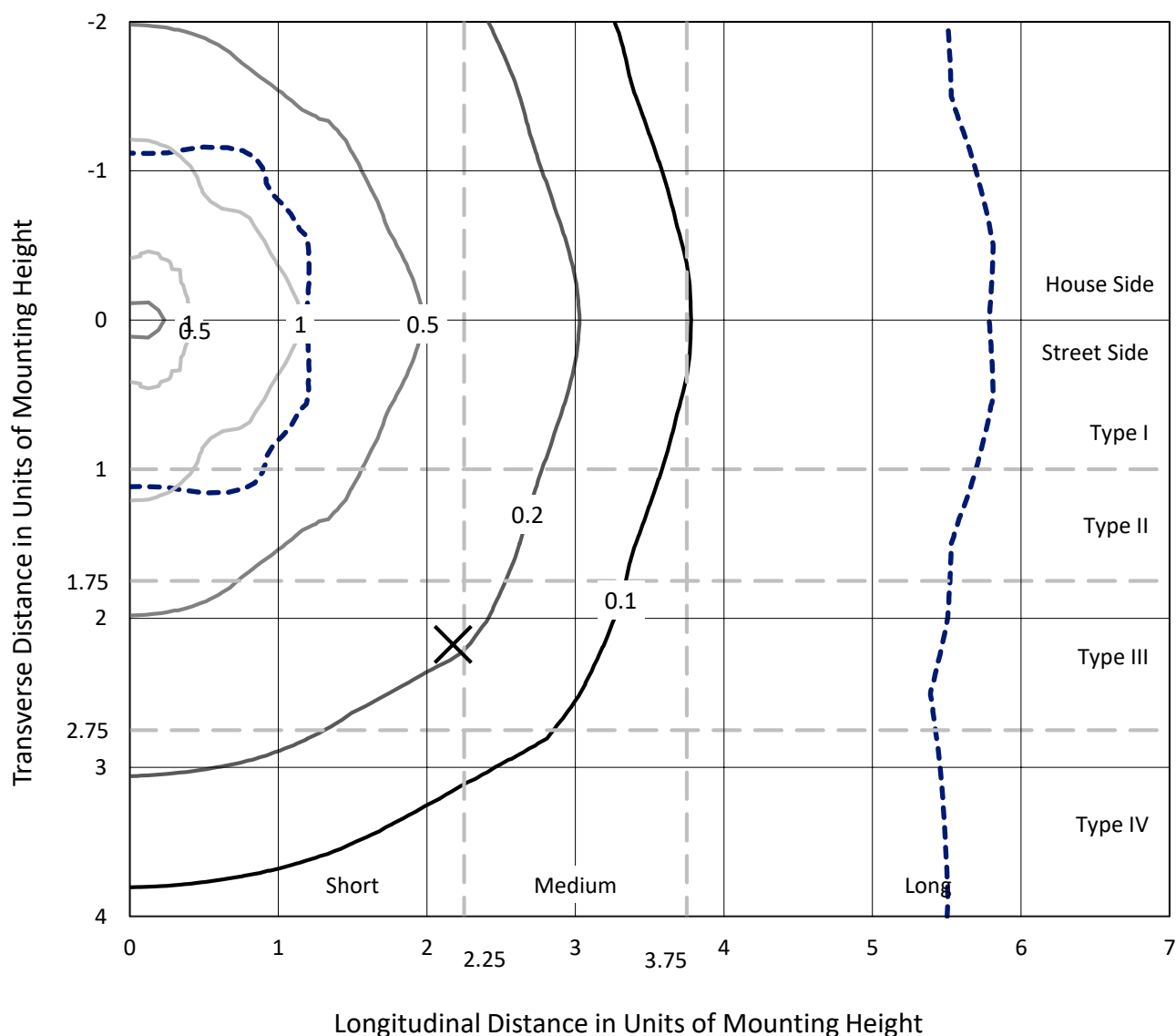


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

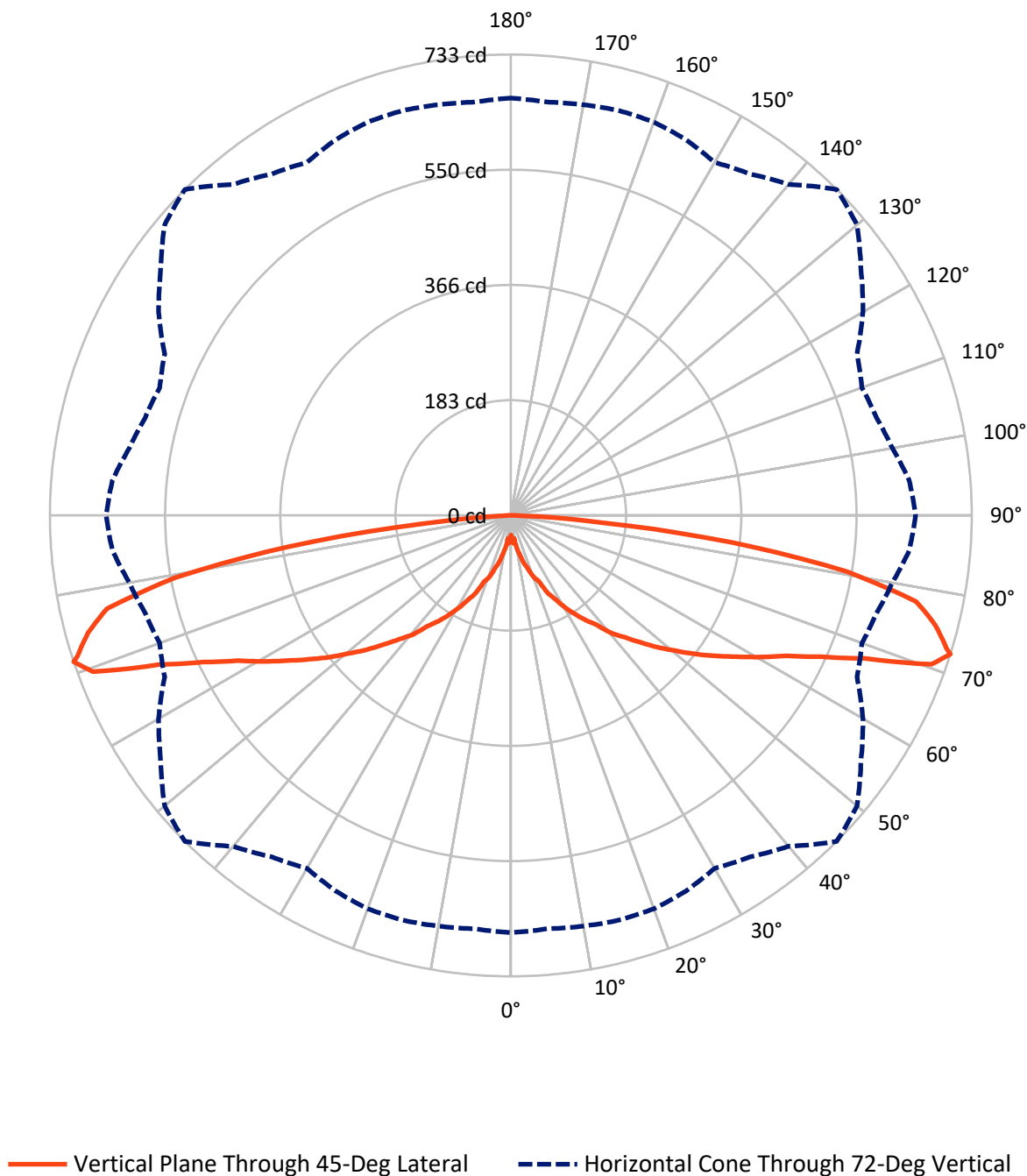


Based on 10 foot mounting height. Maximum calculated value = 1.3 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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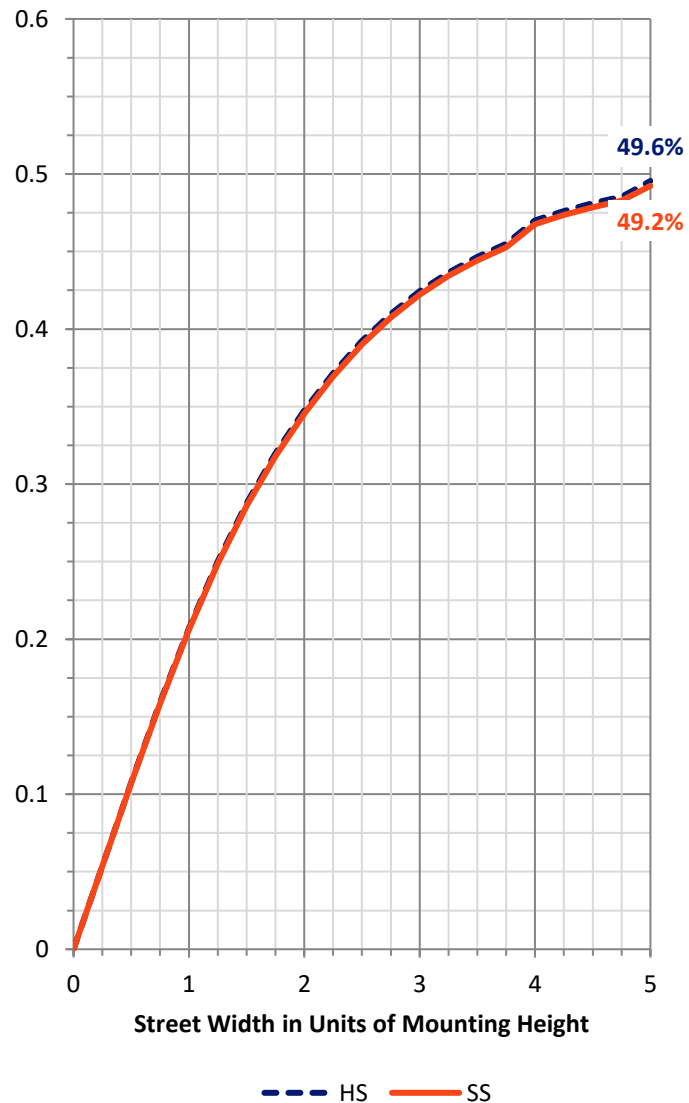
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1071.8	0.0	1071.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1071.8	0.0	1071.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	2143.6	0.0	2143.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.2	0.2
10°-20°	22.8	1.1
20°-30°	67.6	3.2
30°-40°	137.4	6.4
40°-50°	234.4	10.9
50°-60°	363.6	17.0
60°-70°	545.2	25.4
70°-80°	630.6	29.4
80°-90°	138.0	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°	2143.6	100.0
0°-180°	2143.6	100.0

Coefficient of Utilization



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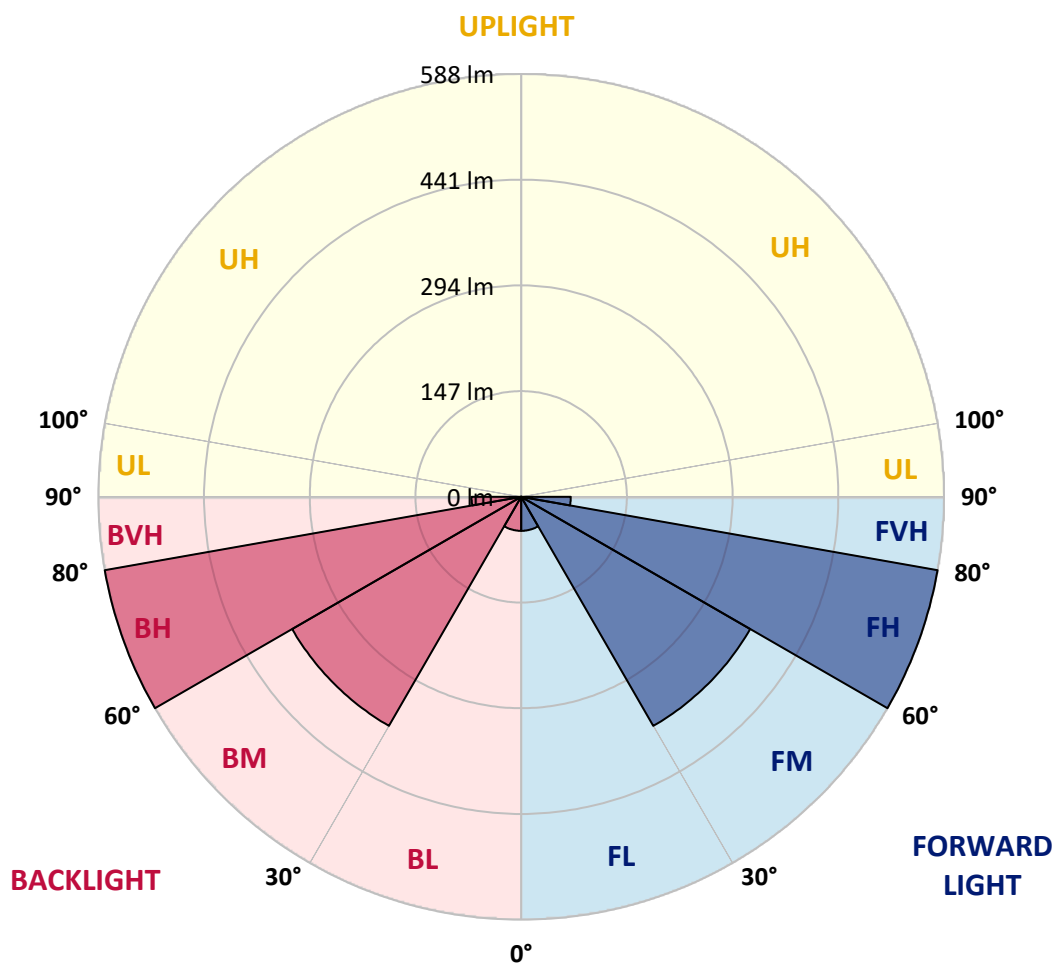
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	47.3	2.2			
FM	(30°-60°)	367.7	17.2			
FH	(60°-80°)	587.9	27.4			G0/660
FVH	(80°-90°)	69.0	3.2			G1/100
BL	(0°-30°)	47.3	2.2	B0/110		
BM	(30°-60°)	367.7	17.2	B1/1000		
BH	(60°-80°)	587.9	27.4	B2/1000		G0/660
BVH	(80°-90°)	69.0	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°	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9
2.5°	49.4	48.6	49.0	48.6	48.6	48.3	43.4	41.8	41.8	42.2	41.5
5°	36.6	36.9	36.6	37.7	38.5	36.9	36.9	37.7	38.1	44.5	45.2
7.5°	56.5	56.9	56.5	56.2	52.0	47.9	47.1	46.0	37.7	36.9	36.2
10°	58.8	58.8	59.6	58.1	57.7	57.7	57.3	56.9	54.7	53.5	45.6
12.5°	78.4	79.2	78.8	78.0	77.7	68.2	66.7	59.6	56.9	64.8	71.6
15°	81.8	81.4	82.2	80.7	79.9	79.9	76.5	79.5	85.2	78.8	73.9
17.5°	101.4	101.4	101.4	100.7	98.0	90.5	91.2	92.7	92.4	89.7	92.7
20°	113.5	113.5	112.7	105.6	100.7	105.2	111.6	108.2	103.7	105.2	107.8
22.5°	124.8	125.2	124.4	122.1	121.8	125.5	119.9	116.5	124.0	113.5	118.8
25°	147.0	147.4	146.3	135.7	134.2	134.2	133.5	135.3	130.4	136.8	145.9
27.5°	159.1	152.3	151.2	148.2	154.6	151.9	150.8	142.5	159.5	150.8	156.8
30°	177.2	177.2	175.7	173.8	172.7	164.7	161.7	167.0	167.8	169.6	185.5
32.5°	204.3	205.1	200.9	190.8	184.0	182.5	184.7	184.0	185.9	187.0	200.2
35°	226.6	227.0	219.4	212.6	207.7	202.8	201.7	199.1	204.0	204.3	214.5
37.5°	250.3	252.6	245.4	242.0	234.1	226.6	217.9	216.8	222.1	220.2	236.4
40°	285.8	286.9	280.5	272.9	256.4	247.7	237.9	236.8	237.1	245.8	253.7
42.5°	307.6	308.0	302.4	293.3	283.5	273.3	259.8	254.8	257.1	264.7	271.8
45°	332.1	331.8	326.9	319.7	309.5	296.3	280.1	276.0	278.2	287.6	294.1
47.5°	357.4	356.6	353.2	345.0	332.5	318.2	302.0	300.5	300.5	312.9	318.2
50°	381.9	382.3	378.9	371.0	355.9	341.9	329.1	323.1	325.0	337.8	343.8
52.5°	409.4	410.2	405.3	397.0	380.8	370.2	357.4	348.3	348.3	366.1	371.3
55°	438.1	438.4	435.4	424.9	412.4	400.0	384.9	374.0	374.4	394.0	398.5
57.5°	467.5	466.7	463.3	455.4	447.1	427.1	410.9	401.1	403.8	423.7	427.1
60°	498.4	498.0	494.6	487.1	474.6	450.1	440.7	434.7	432.4	457.3	457.7
62.5°	533.8	532.3	529.7	522.9	505.9	483.7	473.5	470.5	466.0	491.6	492.7
65°	577.6	574.9	573.0	565.5	548.5	522.5	509.3	512.7	509.7	541.4	537.2
67.5°	645.0	640.1	634.1	627.3	608.5	584.7	566.6	574.2	572.3	607.0	605.5
70°	699.7	696.7	696.3	695.6	686.5	671.4	651.5	657.9	665.8	709.5	705.0
72°	663.5	659.7	663.1	666.2	665.4	659.0	648.1	662.8	686.9	732.9	718.6
72.5°	654.8	651.1	653.3	656.0	656.0	649.9	640.1	654.1	679.7	724.6	711.0
75°	614.5	613.4	615.3	618.7	622.4	619.4	617.9	626.6	653.3	697.4	680.5
77.5°	548.2	549.7	551.9	556.8	564.0	567.4	576.1	589.6	619.8	659.0	645.0
80°	418.5	416.2	421.9	432.0	439.6	447.1	458.8	475.4	507.1	542.5	521.0
82.5°	139.9	156.5	165.5	185.1	210.7	228.5	253.7	286.9	325.7	355.1	328.4
85°	12.1	14.3	20.0	27.5	35.4	47.1	71.3	89.3	118.0	144.4	122.1
87.5°	3.0	4.9	8.7	12.1	12.4	12.8	14.3	15.5	17.0	17.3	21.5
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°	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9
2.5°	40.7	38.8	35.4	32.0	31.7	31.3	30.9	30.5
5°	45.6	48.3	41.8	41.1	39.6	32.4	31.3	30.5
7.5°	36.6	36.9	43.0	43.0	38.8	37.7	31.3	30.5
10°	40.7	39.6	48.6	56.9	59.2	55.0	46.0	45.2
12.5°	69.4	60.3	52.0	52.8	59.2	57.3	51.3	44.9
15°	73.5	70.9	72.0	71.6	70.9	75.8	68.2	66.7
17.5°	90.5	87.8	87.1	77.7	73.5	73.9	75.8	70.9
20°	97.3	97.6	117.6	118.0	110.5	109.3	109.0	107.8
22.5°	131.6	130.8	126.7	125.2	117.6	139.5	142.5	142.5
25°	138.0	148.9	164.4	164.0	159.8	153.4	154.6	147.4
27.5°	171.9	171.9	171.5	175.3	181.0	177.6	175.3	171.9
30°	179.1	190.8	193.8	188.1	190.8	194.5	198.7	202.4
32.5°	199.8	197.9	208.9	213.8	217.9	220.9	211.1	214.9
35°	216.4	223.2	225.1	225.1	228.1	230.0	223.6	223.6
37.5°	235.2	238.3	236.8	239.0	240.1	244.3	243.5	241.7
40°	251.1	254.1	253.3	254.8	254.5	261.6	263.9	256.0
42.5°	271.1	272.9	271.8	272.6	277.5	280.9	288.0	283.1
45°	291.0	292.9	291.8	292.9	301.2	302.7	312.5	311.8
47.5°	314.0	314.4	314.4	318.2	325.3	326.5	337.4	337.0
50°	338.5	340.4	337.0	341.9	349.9	354.8	363.8	368.7
52.5°	366.1	367.6	358.9	371.0	377.4	384.9	389.4	397.4
55°	390.9	393.2	384.2	396.2	402.3	409.4	420.7	427.9
57.5°	417.3	415.8	415.8	418.8	424.5	434.3	449.0	462.2
60°	447.5	442.2	441.5	441.5	452.4	469.4	481.0	494.6
62.5°	482.6	473.9	475.4	470.1	482.9	503.7	517.6	534.6
65°	524.4	514.2	512.0	509.3	518.7	541.7	563.2	576.1
67.5°	586.6	571.5	563.2	560.6	571.5	593.4	620.5	634.1
70°	679.0	652.6	624.3	617.9	618.3	639.8	662.0	674.4
72°	679.7	646.5	607.3	594.1	601.7	616.0	636.0	643.5
72.5°	669.5	637.9	596.8	587.0	598.3	609.2	631.1	636.7
75°	646.5	614.9	573.8	567.4	571.9	579.1	599.8	601.7
77.5°	608.5	573.0	523.3	510.8	499.9	515.0	530.4	525.5
80°	488.2	447.9	400.7	391.3	372.5	382.7	391.7	384.5
82.5°	286.9	239.0	197.5	174.2	144.4	137.2	140.2	117.6
85°	91.2	61.1	43.0	29.0	25.6	20.0	16.6	14.3
87.5°	20.0	16.6	15.1	13.9	13.9	11.7	8.3	6.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)