

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: McGRAW-EDISON

Report Number: P200555

Luminaire Tested: **GWC-AF-01-LED-E1-5WQ-8030-600**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200555
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24143)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GWC-AF-01-LED-E1-5WQ-8030-600
Description: GALLEON WALL LUMINAIRE
(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3600 lumens
Efficiency: N/A
Efficacy: 105.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G1

Input Watts (W): 34
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: 25 FT

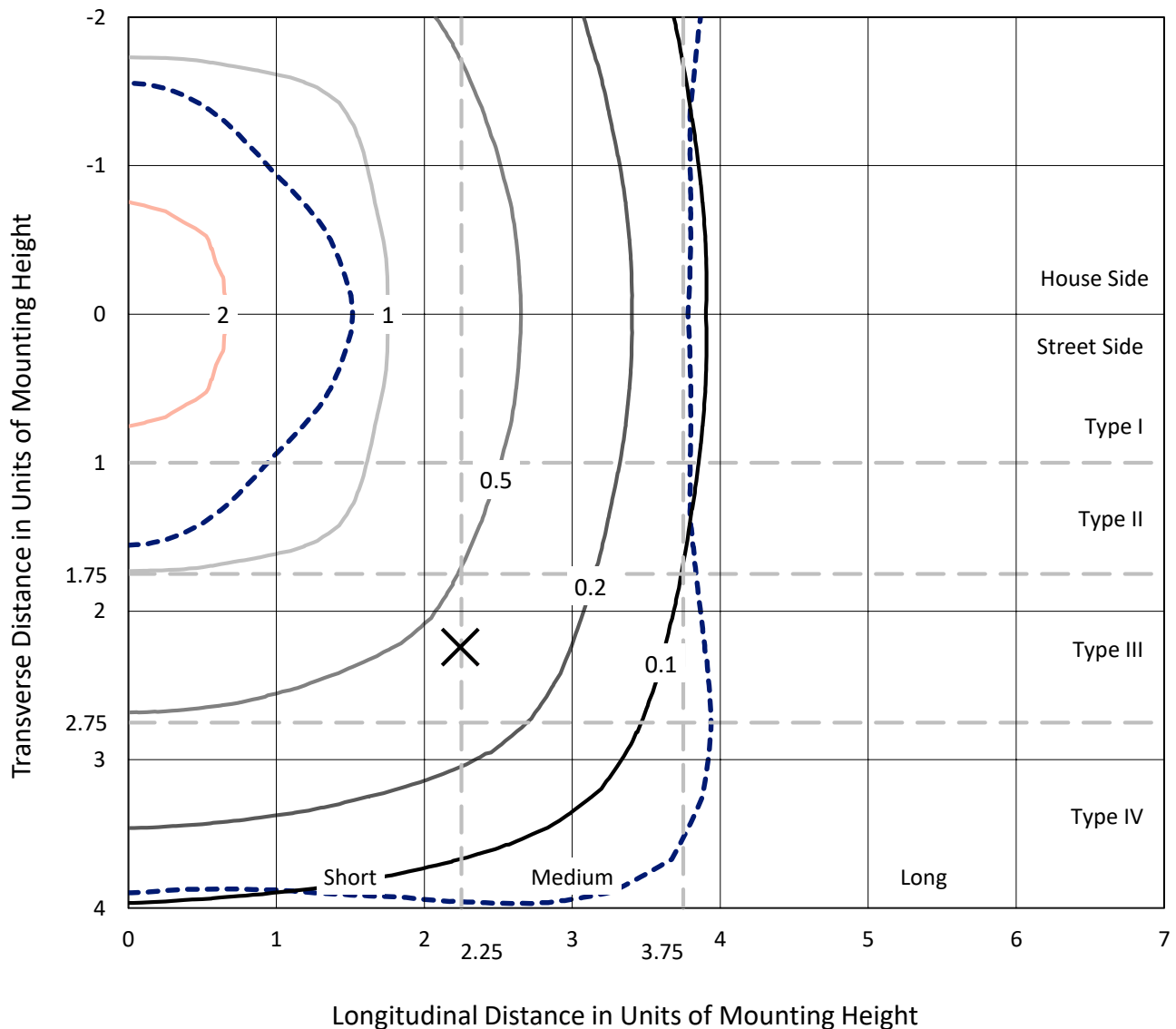


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

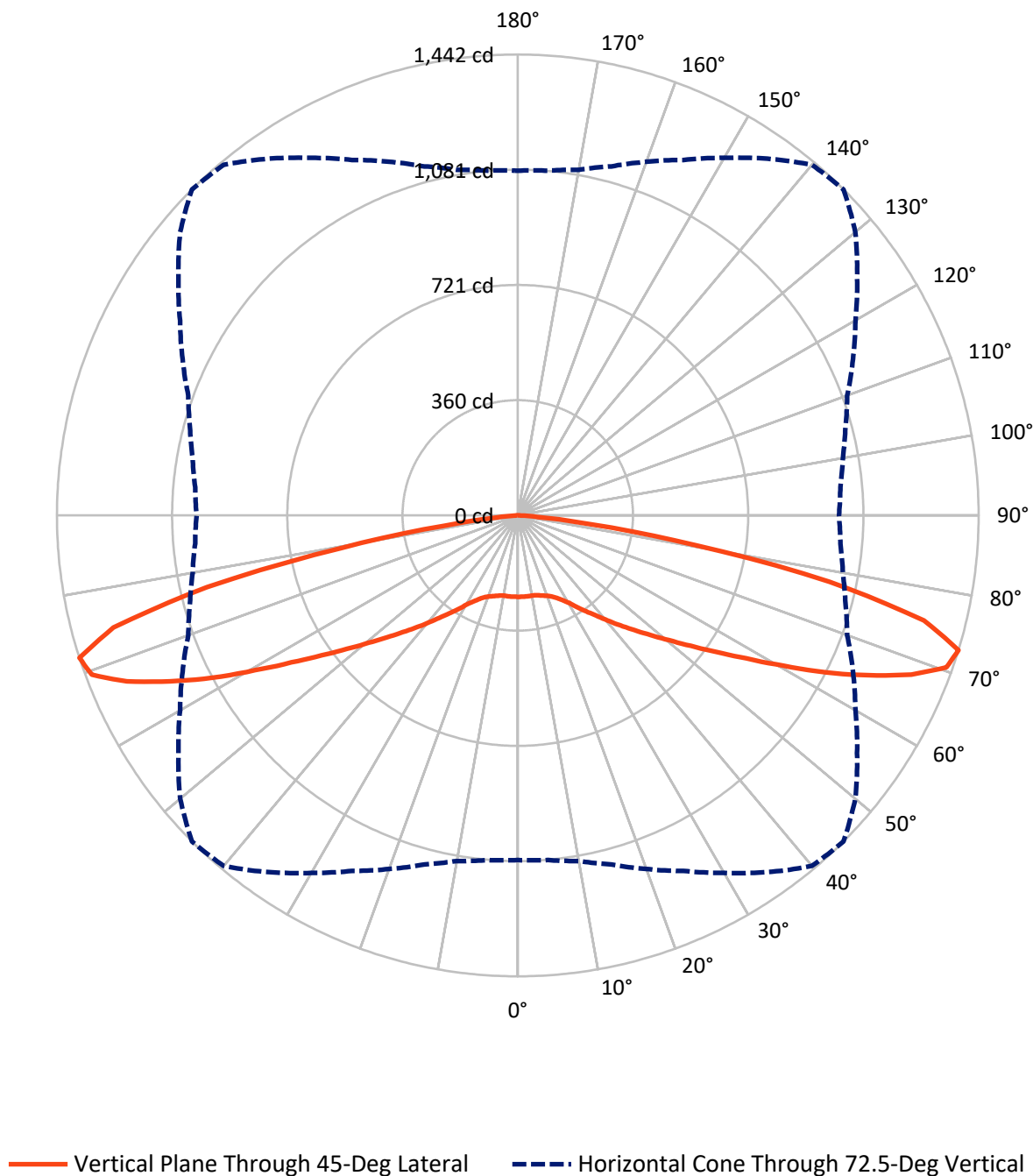


Based on 10 foot mounting height. Maximum calculated value = 2.5 fc
Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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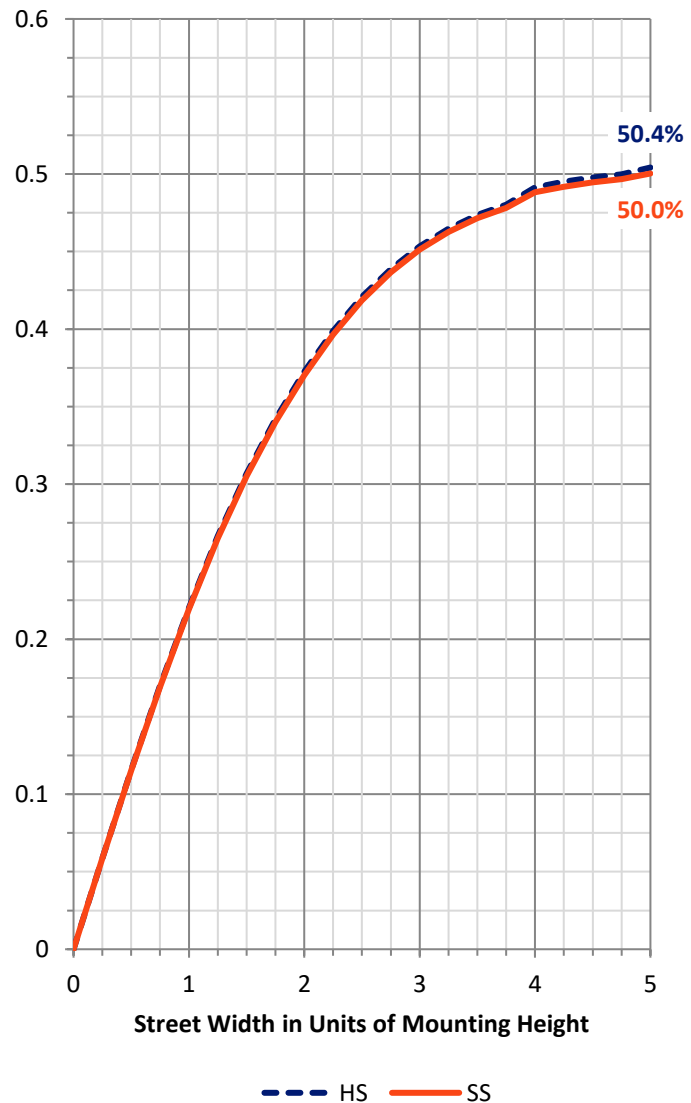
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1800.0	0.0	1800.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1800.0	0.0	1800.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3600.0	0.0	3600.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.3	0.7
10°-20°	73.9	2.1
20°-30°	135.1	3.8
30°-40°	233.0	6.5
40°-50°	398.2	11.1
50°-60°	645.5	17.9
60°-70°	1070.8	29.7
70°-80°	943.1	26.2
80°-90°	76.0	2.1
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°	3600.0	100.0
0°-180°	3600.0	100.0

Coefficient of Utilization



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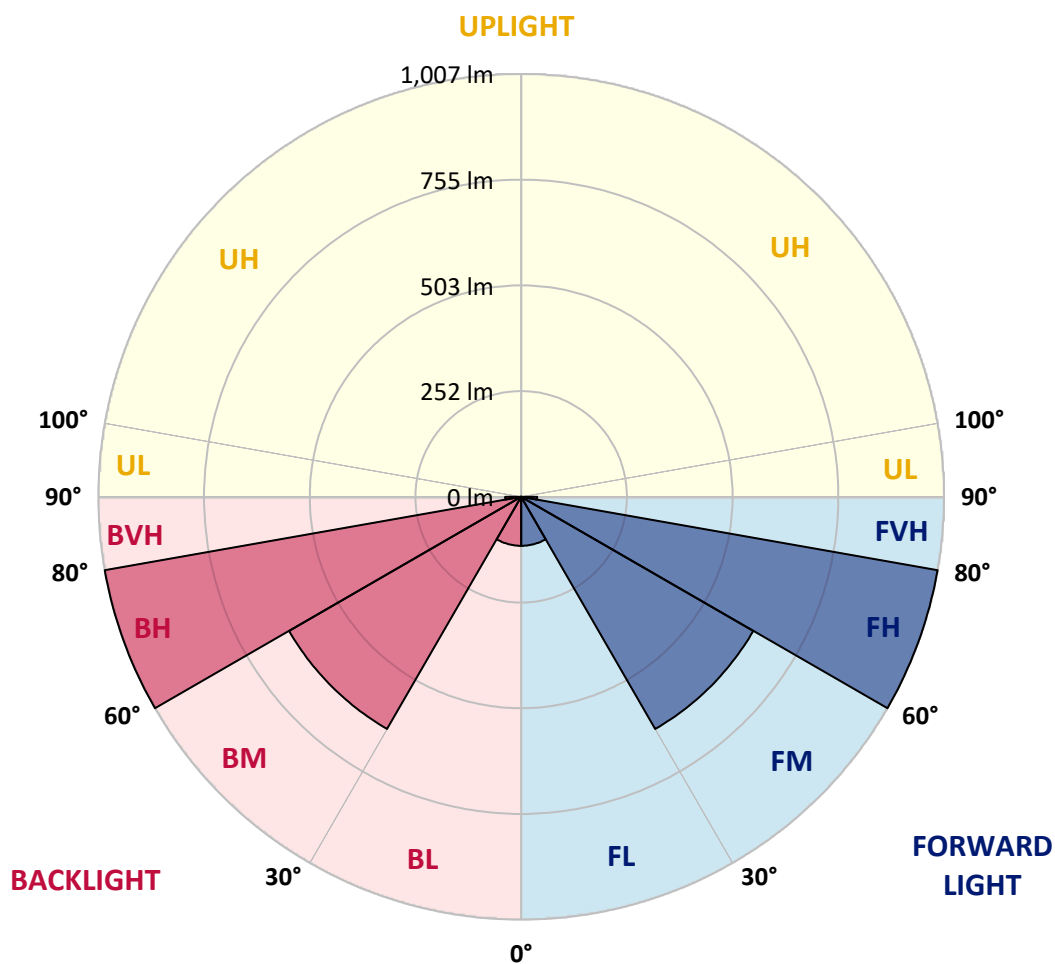
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	116.7	3.2			
FM	(30°-60°)	638.3	17.7			
FH	(60°-80°)	1007.0	28.0			G1/1800
FVH	(80°-90°)	38.0	1.1			G1/100
BL	(0°-30°)	116.7	3.2	B1/500		
BM	(30°-60°)	638.3	17.7	B1/1000		
BH	(60°-80°)	1007.0	28.0	B3/2500		G1/1800
BVH	(80°-90°)	38.0	1.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	254.9	254.9	254.9	254.9	254.9	254.9	254.9	254.9	254.9	254.9	254.9
2.5°	254.9	255.1	255.3	255.1	255.1	254.9	254.8	254.9	254.8	254.4	254.6
5°	255.8	256.1	256.1	255.8	255.9	255.8	255.4	255.6	255.3	254.8	254.8
7.5°	256.8	256.9	256.9	256.6	256.8	256.4	256.1	255.9	255.6	254.9	254.4
10°	258.2	258.4	258.2	257.9	257.9	257.4	256.6	256.3	255.6	254.6	254.1
12.5°	259.9	260.1	259.9	259.6	259.4	258.6	257.9	257.4	256.9	256.1	255.3
15°	262.2	262.5	262.2	261.5	261.0	260.4	260.1	260.2	260.4	259.7	258.9
17.5°	266.5	266.7	266.2	264.7	264.0	263.4	263.4	263.7	264.2	263.9	263.0
20°	274.4	273.9	272.8	271.0	270.1	269.0	268.8	269.0	269.0	268.8	268.1
22.5°	284.3	284.0	282.5	280.2	279.0	278.4	277.4	276.6	276.4	275.9	275.2
25°	296.2	296.0	294.2	292.3	291.4	290.6	289.8	288.6	287.6	286.5	285.8
27.5°	311.4	310.7	308.1	307.1	306.0	305.5	304.3	303.0	302.2	300.7	299.8
30°	328.1	328.1	325.9	325.6	325.6	324.4	323.1	320.8	319.3	317.8	317.3
32.5°	344.8	344.9	342.8	343.4	343.9	344.8	345.1	344.3	343.3	343.1	342.1
35°	368.9	368.2	366.1	366.6	366.4	366.2	366.2	368.0	368.4	368.7	366.7
37.5°	398.8	398.8	396.6	396.6	395.6	394.6	393.3	394.5	396.3	396.8	395.4
40°	432.9	434.1	431.4	431.3	431.6	428.5	427.0	428.8	430.0	431.9	430.5
42.5°	473.2	472.4	469.7	469.4	467.6	466.6	465.3	466.8	468.6	469.9	470.4
45°	511.9	511.2	508.2	508.2	506.4	505.6	506.2	508.7	509.5	511.4	513.2
47.5°	550.0	549.2	547.2	548.0	548.2	549.7	551.8	554.1	556.4	558.9	559.7
50°	589.0	589.1	587.0	589.0	591.4	595.6	601.3	605.1	609.9	613.1	614.1
52.5°	624.5	625.1	627.4	632.1	637.0	645.1	655.0	664.3	672.2	677.5	677.1
55°	667.1	668.1	673.7	681.6	689.7	701.9	716.6	732.9	746.1	753.7	749.0
57.5°	721.5	723.7	730.0	740.7	752.8	768.6	788.7	813.4	833.8	844.1	836.3
60°	796.3	797.7	805.3	817.1	831.7	851.3	878.2	911.3	940.2	953.7	944.8
62.5°	894.9	897.4	903.5	915.6	930.4	952.7	985.6	1026.8	1062.8	1081.7	1061.5
65°	1012.6	1020.6	1025.7	1037.9	1051.8	1075.4	1109.7	1154.0	1192.6	1205.0	1181.7
67.5°	1129.2	1136.1	1145.1	1159.1	1173.1	1199.7	1231.6	1274.5	1316.9	1328.2	1292.0
70°	1180.2	1184.2	1198.1	1217.2	1244.1	1275.5	1312.3	1360.5	1413.0	1422.3	1376.4
72.5°	1078.0	1082.0	1097.5	1130.0	1176.9	1226.8	1291.0	1361.9	1431.2	1441.6	1378.4
75°	815.3	808.9	831.8	874.9	938.2	1007.7	1097.5	1199.1	1299.3	1312.3	1236.9
77.5°	421.4	420.5	437.9	491.4	566.8	645.9	744.8	859.6	957.7	997.3	935.9
80°	118.7	120.0	128.3	154.9	199.0	256.1	333.4	440.9	521.1	562.0	527.7
82.5°	46.6	50.2	53.3	58.3	64.1	72.5	96.8	144.0	193.2	230.8	189.1
85°	16.7	17.8	25.3	29.9	30.4	32.0	36.5	42.6	51.4	61.3	50.4
87.5°	6.3	6.9	8.1	13.4	13.2	12.1	14.7	15.4	11.6	10.6	13.0
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°	254.9	254.9	254.9	254.9	254.9	254.9	254.9	254.9
2.5°	254.3	254.4	254.4	254.6	254.8	254.8	255.1	255.1
5°	254.4	254.4	254.1	254.3	254.1	254.1	254.3	254.3
7.5°	254.1	253.9	253.6	253.4	253.1	253.1	253.1	253.1
10°	253.6	253.4	253.1	253.0	252.8	252.8	252.8	252.8
12.5°	254.9	254.4	254.1	253.9	253.9	253.9	253.9	253.9
15°	258.4	257.2	256.4	256.4	256.6	256.9	256.9	257.2
17.5°	262.7	261.4	260.5	259.9	260.2	260.7	261.0	261.4
20°	267.8	267.2	266.0	265.3	265.3	266.0	266.3	266.5
22.5°	274.9	274.4	273.9	273.1	273.1	273.4	274.1	274.1
25°	285.5	285.2	284.8	284.2	284.0	284.0	284.3	284.7
27.5°	298.7	298.9	298.5	298.4	297.9	297.7	298.2	298.0
30°	316.4	317.2	318.0	317.3	316.5	316.0	315.5	314.9
32.5°	340.3	339.3	338.6	337.5	336.0	334.7	333.7	332.5
35°	362.9	361.3	360.6	361.6	361.4	360.6	359.5	358.5
37.5°	390.7	390.3	390.7	392.5	392.1	393.0	390.7	390.5
40°	425.7	426.0	428.3	430.5	431.6	432.8	431.4	430.1
42.5°	466.3	466.1	466.9	469.9	471.9	473.2	470.4	470.1
45°	509.2	508.1	508.7	511.2	513.2	514.7	511.5	511.5
47.5°	556.4	554.5	552.3	555.1	556.3	557.3	554.8	554.0
50°	609.1	605.0	600.4	601.5	601.5	601.2	598.0	597.9
52.5°	669.5	661.9	653.5	650.4	648.6	646.6	641.1	638.5
55°	739.0	727.7	714.4	706.4	702.1	696.6	687.5	685.1
57.5°	820.3	802.5	779.7	769.8	760.2	751.3	741.2	738.4
60°	916.5	890.3	860.1	841.8	831.3	822.8	812.4	811.9
62.5°	1023.9	982.4	948.2	931.7	924.1	916.5	906.6	908.0
65°	1133.0	1089.8	1057.7	1044.3	1037.2	1031.0	1021.1	1022.6
67.5°	1240.7	1200.9	1165.7	1152.0	1144.1	1136.1	1127.2	1128.7
70°	1317.9	1268.6	1228.9	1198.6	1179.6	1158.1	1144.2	1140.8
72.5°	1295.8	1219.7	1156.8	1096.5	1061.2	1032.5	1013.0	1004.6
75°	1121.5	1017.4	936.5	862.6	820.9	787.1	762.5	747.1
77.5°	832.8	715.9	620.3	535.1	467.8	422.5	390.7	370.0
80°	455.9	346.7	253.4	178.2	130.9	108.8	96.1	90.0
82.5°	142.0	91.6	67.5	58.3	54.2	51.8	48.0	41.9
85°	45.2	39.6	36.8	35.2	33.5	29.2	20.1	18.3
87.5°	17.5	18.0	17.8	16.8	17.2	12.4	9.9	8.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)