

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: P197678

Luminaire Tested: **TT-C1-LED-E1-5MQ-PM-CG-MS/DIM**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197678
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115363)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C1-LED-E1-5MQ-PM-CG-MS/DIM
Description: TOPTIER LED AREA/SITE LUMINAIRE
MEDIUM DISTRIBUTION WITH CLEAR GLASS LENS AND DIMMING OCCUPANCY SENSOR
Light Source: (168) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3403.6 lumens
Efficiency: N/A
Efficacy: 121.6 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G1

Input Watts (W): 28
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

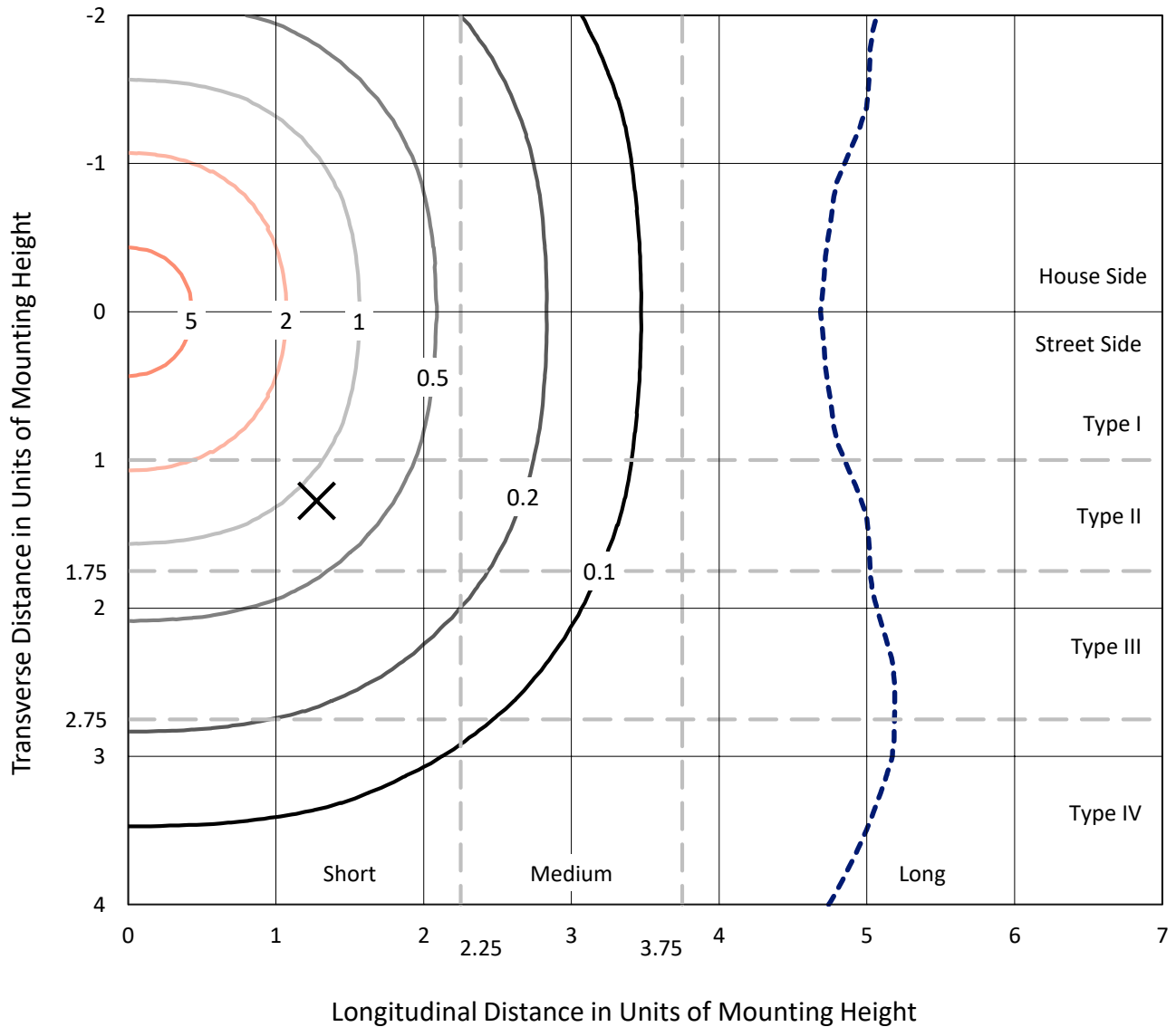


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

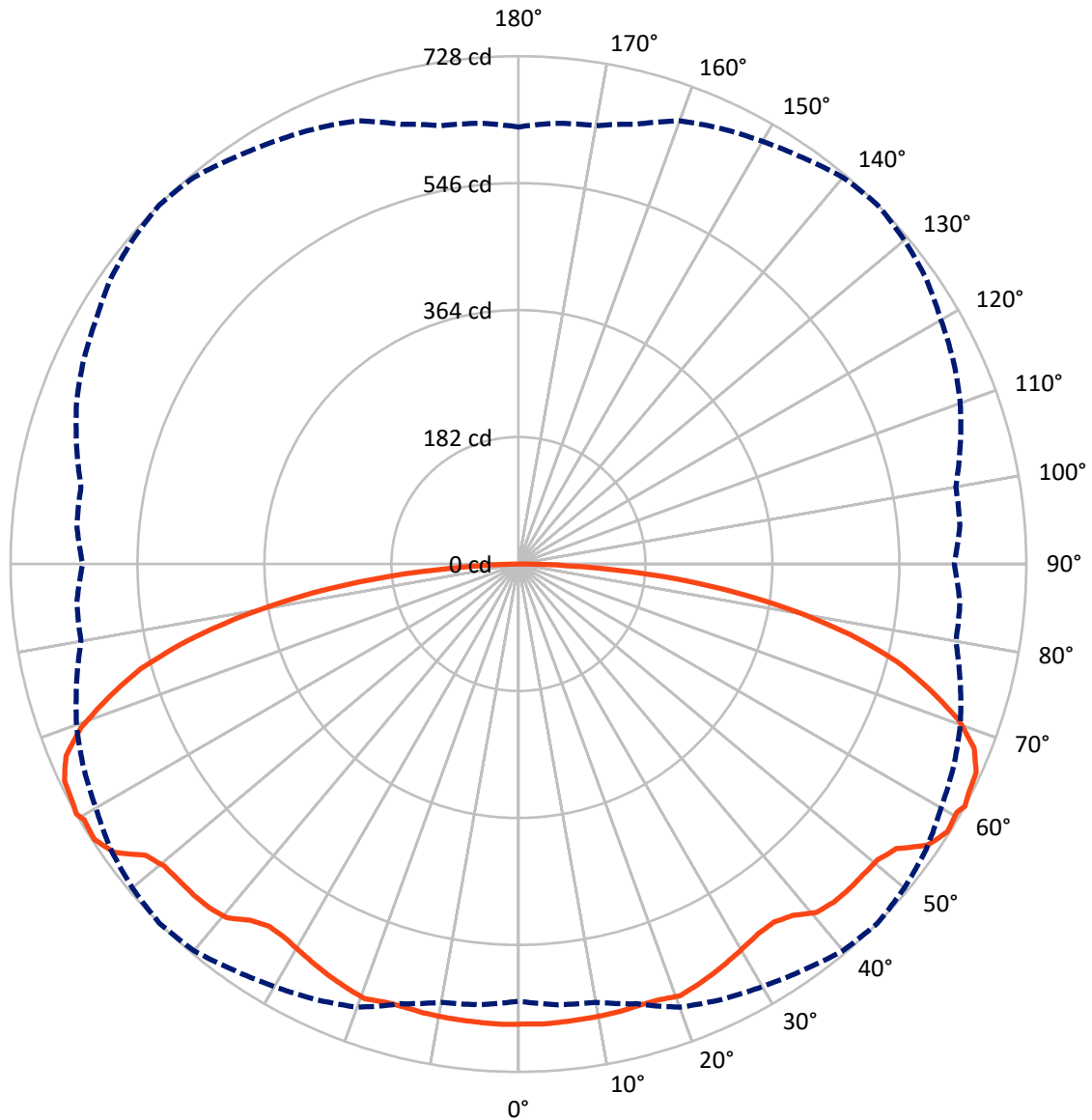


Based on 10 foot mounting height. Maximum calculated value = 6.6 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 61-Deg Vertical

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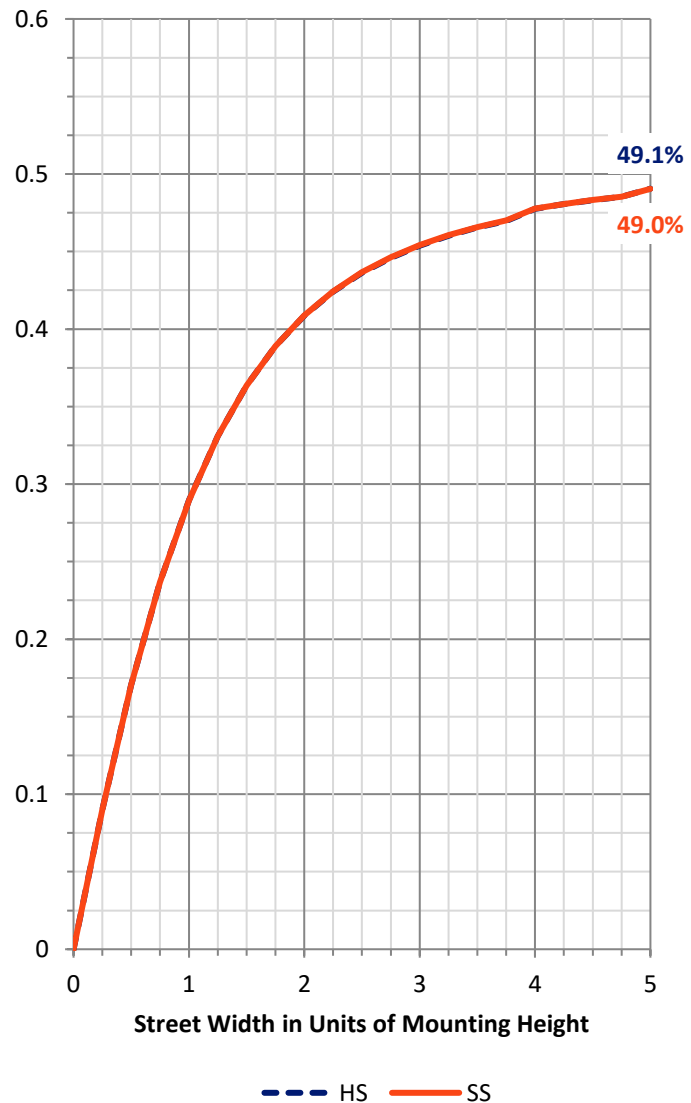
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1701.8	0.0	1701.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1701.8	0.0	1701.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	3403.6	0.0	3403.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.9	1.8
10°-20°	186.0	5.5
20°-30°	299.3	8.8
30°-40°	396.4	11.6
40°-50°	500.6	14.7
50°-60°	599.8	17.6
60°-70°	655.9	19.3
70°-80°	525.0	15.4
80°-90°	177.6	5.2
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°	3403.6	100.0
0°-180°	3403.6	100.0



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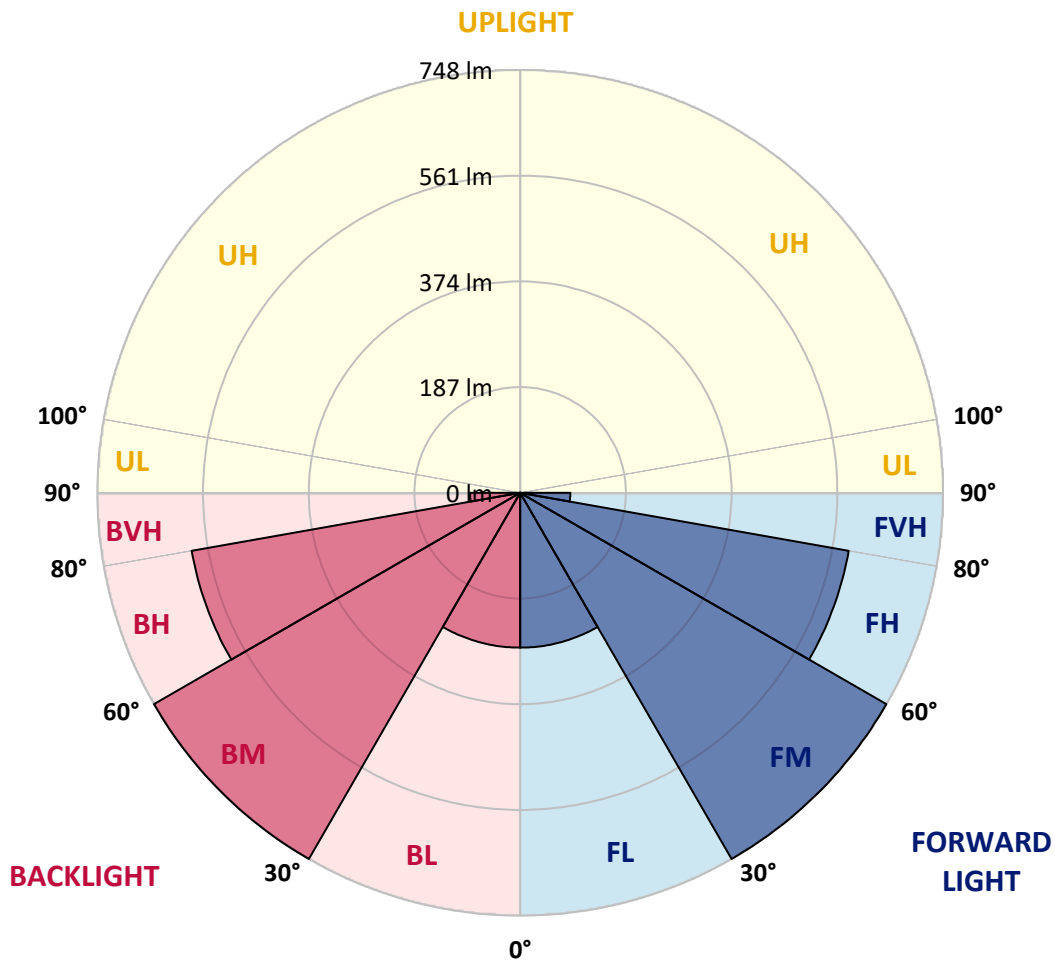
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	274.1	8.1			
FM (30°-60°)	748.4	22.0			
FH (60°-80°)	590.5	17.3			G0/660
FVH (80°-90°)	88.8	2.6			G1/100
BL (0°-30°)	274.1	8.1	B1/500		
BM (30°-60°)	748.4	22.0	B1/1000		
BH (60°-80°)	590.5	17.3	B2/1000		G0/660
BVH (80°-90°)	88.8	2.6			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°	659.4	659.4	659.4	659.4	659.4	659.4	659.4	659.4	659.4	659.4	659.4
2.5°	660.1	659.4	660.1	660.1	660.1	660.1	660.1	660.1	660.1	660.1	660.1
5°	659.4	659.4	659.4	659.4	659.4	659.4	659.4	659.4	659.4	659.4	659.4
7.5°	658.8	658.8	658.8	658.8	658.8	658.8	658.8	658.8	659.4	658.8	659.4
10°	657.5	657.5	657.5	657.5	658.2	658.2	658.2	658.2	658.2	658.2	658.2
12.5°	656.3	656.3	656.3	656.3	656.9	656.9	656.9	656.9	657.5	657.5	656.9
15°	655.0	654.4	654.4	655.0	655.0	655.6	655.6	655.6	656.3	655.6	655.6
17.5°	653.7	653.1	653.7	654.4	654.4	655.0	655.6	655.6	656.3	656.3	656.3
20°	655.6	655.0	655.6	656.3	656.9	658.2	658.8	659.4	660.1	660.7	660.7
22.5°	651.8	651.2	651.8	651.8	652.5	653.1	654.4	655.0	655.6	655.6	655.6
25°	646.1	646.1	646.8	646.8	647.4	648.0	648.7	649.3	649.3	649.9	649.3
27.5°	639.8	639.8	640.4	640.4	641.7	641.7	642.3	643.0	643.6	643.6	643.6
30°	632.2	632.2	632.8	633.4	634.7	635.3	636.0	636.6	637.2	637.2	637.2
32.5°	625.2	624.6	625.2	626.5	628.4	629.6	630.9	631.5	631.5	631.5	632.2
35°	619.4	620.1	621.3	622.7	625.2	626.5	627.7	629.6	630.3	630.3	630.3
37.5°	620.8	621.3	623.3	625.8	629.0	632.8	635.3	637.9	639.8	639.1	638.5
40°	629.0	630.3	633.4	637.2	642.3	647.4	651.2	654.4	656.3	656.9	656.3
42.5°	630.3	631.5	634.1	639.8	645.5	651.2	656.3	659.4	662.0	662.6	662.0
45°	629.6	629.6	633.4	639.8	645.5	651.2	657.5	662.0	664.5	664.5	664.5
47.5°	625.2	627.1	629.6	636.0	643.6	649.3	655.6	660.1	663.2	665.1	663.2
50°	625.2	625.2	629.6	634.1	641.0	651.2	660.1	664.5	667.7	667.0	667.7
52.5°	623.9	627.7	630.3	636.6	649.3	659.4	666.4	672.7	677.2	677.8	676.5
55°	635.3	636.0	641.7	653.7	665.8	677.2	689.9	699.4	707.0	711.4	705.1
57.5°	644.2	641.0	652.5	662.6	676.5	693.7	712.7	720.3	726.0	724.7	726.6
60°	632.2	636.6	644.9	655.6	677.8	694.9	705.1	713.3	720.3	722.2	719.7
61°	626.5	634.1	637.9	652.5	675.9	688.6	699.4	710.8	723.5	727.9	722.2
62.5°	617.0	629.0	627.7	651.2	665.8	680.4	700.6	713.9	722.8	724.1	722.8
65°	617.5	615.6	630.3	647.4	662.0	688.0	705.1	713.3	718.4	720.9	719.7
67.5°	597.3	590.9	608.7	620.8	645.5	665.8	682.3	694.3	701.9	704.4	701.3
70°	550.4	554.8	567.5	585.9	606.1	630.9	646.1	662.0	668.3	668.9	668.9
72.5°	505.3	507.9	520.6	537.7	561.1	582.7	597.9	610.6	616.3	617.0	618.2
75°	445.8	448.3	462.9	478.7	502.2	520.6	531.3	546.5	554.8	561.8	556.1
77.5°	376.6	381.0	392.5	409.6	431.2	441.3	460.3	478.1	483.8	485.7	483.8
80°	298.6	304.3	314.5	337.3	346.8	363.4	381.7	389.3	394.4	395.6	396.3
82.5°	215.0	219.4	230.2	246.0	256.8	270.1	282.8	292.3	298.0	296.7	296.1
85°	126.8	128.1	139.5	150.3	158.6	166.7	176.9	183.9	185.1	187.7	187.0
87.5°	38.1	38.7	43.8	49.5	53.3	57.1	63.4	71.7	73.6	68.5	69.1
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°	659.4	659.4	659.4	659.4	659.4	659.4	659.4	659.4
2.5°	660.1	660.1	660.1	660.1	660.1	660.1	659.4	660.1
5°	659.4	659.4	659.4	659.4	659.4	659.4	659.4	659.4
7.5°	659.4	658.8	658.8	658.8	658.8	658.8	658.8	658.8
10°	658.2	658.2	658.2	658.2	657.5	657.5	657.5	657.5
12.5°	656.9	656.9	656.9	656.9	656.3	656.3	656.3	656.3
15°	655.6	655.6	655.6	655.6	655.0	655.0	655.0	655.0
17.5°	656.3	655.6	655.0	655.0	654.4	653.7	653.7	653.7
20°	660.1	659.4	658.2	656.9	656.3	655.6	655.6	655.6
22.5°	655.0	654.4	653.1	652.5	652.5	651.8	651.2	651.2
25°	649.3	648.0	648.0	647.4	647.4	646.1	646.1	645.5
27.5°	643.0	642.3	641.7	641.0	641.0	640.4	639.8	639.1
30°	637.2	636.0	634.7	634.1	633.4	632.8	632.8	632.8
32.5°	631.5	630.3	629.6	627.7	626.5	625.8	625.2	625.2
35°	629.6	627.7	626.5	624.6	622.7	621.3	620.8	619.4
37.5°	637.2	634.7	632.8	629.6	625.2	623.3	621.3	620.8
40°	653.7	651.2	647.4	642.3	637.2	633.4	630.3	629.0
42.5°	659.4	656.3	651.2	646.1	639.8	634.1	631.5	630.3
45°	661.3	658.2	651.2	644.9	639.1	634.1	630.3	629.0
47.5°	659.4	655.0	648.7	643.6	635.3	629.0	626.5	624.6
50°	663.9	660.1	651.8	640.4	633.4	629.6	625.2	624.6
52.5°	672.7	665.8	658.2	649.9	636.6	629.0	626.5	623.3
55°	699.4	689.9	676.5	663.2	655.0	643.0	635.3	635.3
57.5°	719.7	712.0	694.9	677.2	662.0	653.1	641.7	642.3
60°	713.9	703.8	695.6	677.8	656.3	644.2	639.8	631.5
61°	713.3	699.4	688.0	674.0	655.6	636.6	635.3	624.6
62.5°	714.6	701.9	680.4	665.8	651.8	627.1	626.5	616.3
65°	713.3	701.3	690.5	663.2	644.2	634.1	612.5	620.8
67.5°	693.7	682.9	663.2	648.0	618.9	606.1	594.1	594.1
70°	662.6	646.8	627.7	608.7	589.0	567.5	556.7	550.4
72.5°	610.6	597.3	582.0	561.8	537.7	518.0	507.9	503.4
75°	545.3	530.7	517.4	502.2	476.8	460.3	449.6	446.4
77.5°	476.8	464.1	440.7	426.1	408.9	389.9	380.4	376.6
80°	389.3	382.3	365.8	342.4	334.1	310.7	304.3	298.6
82.5°	292.3	284.7	269.5	253.0	242.9	229.5	218.1	216.9
85°	183.9	178.8	169.3	157.2	144.6	136.9	126.8	129.3
87.5°	68.5	65.3	59.6	52.0	46.3	41.2	36.2	38.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)