

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: P197511

Luminaire Tested: **TT-C1-LED-E1-5CQ-PM-LWR-LW-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197511
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115438)
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-E1-5CQ-PM-LWR-LW-7050
Description: TOPTIER LED AREA/SITE LUMINAIRE
CONCENTRATED DISTRIBUTION WITH LumaWatt WIRELESS SENSOR
Light Source: (168) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3338.9 lumens
Efficiency: N/A
Efficacy: 119.2 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B1 - U0 - G1

Input Watts (W): 28
Input Voltage (V): NR
Input Current (A_{in}): 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

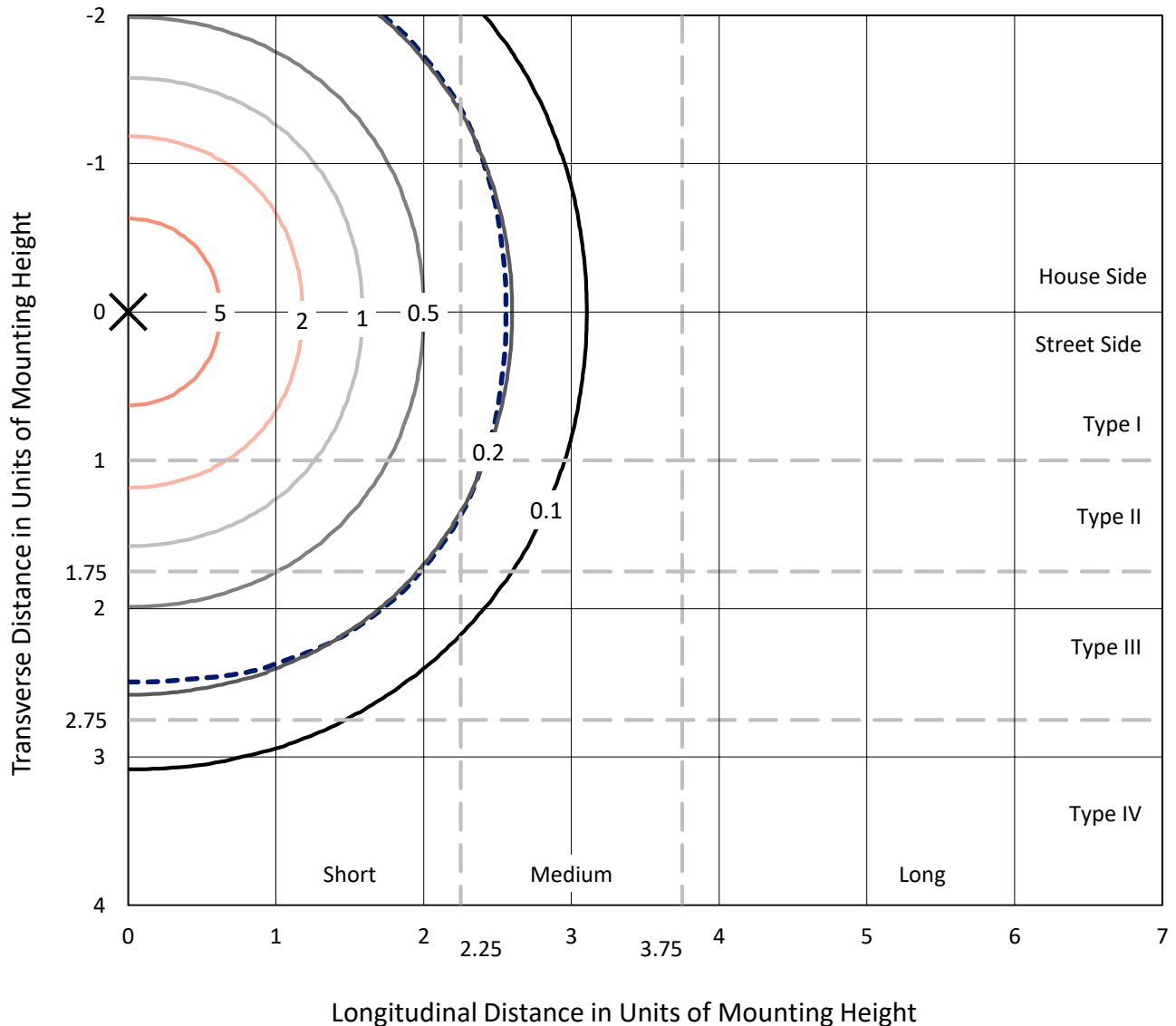


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

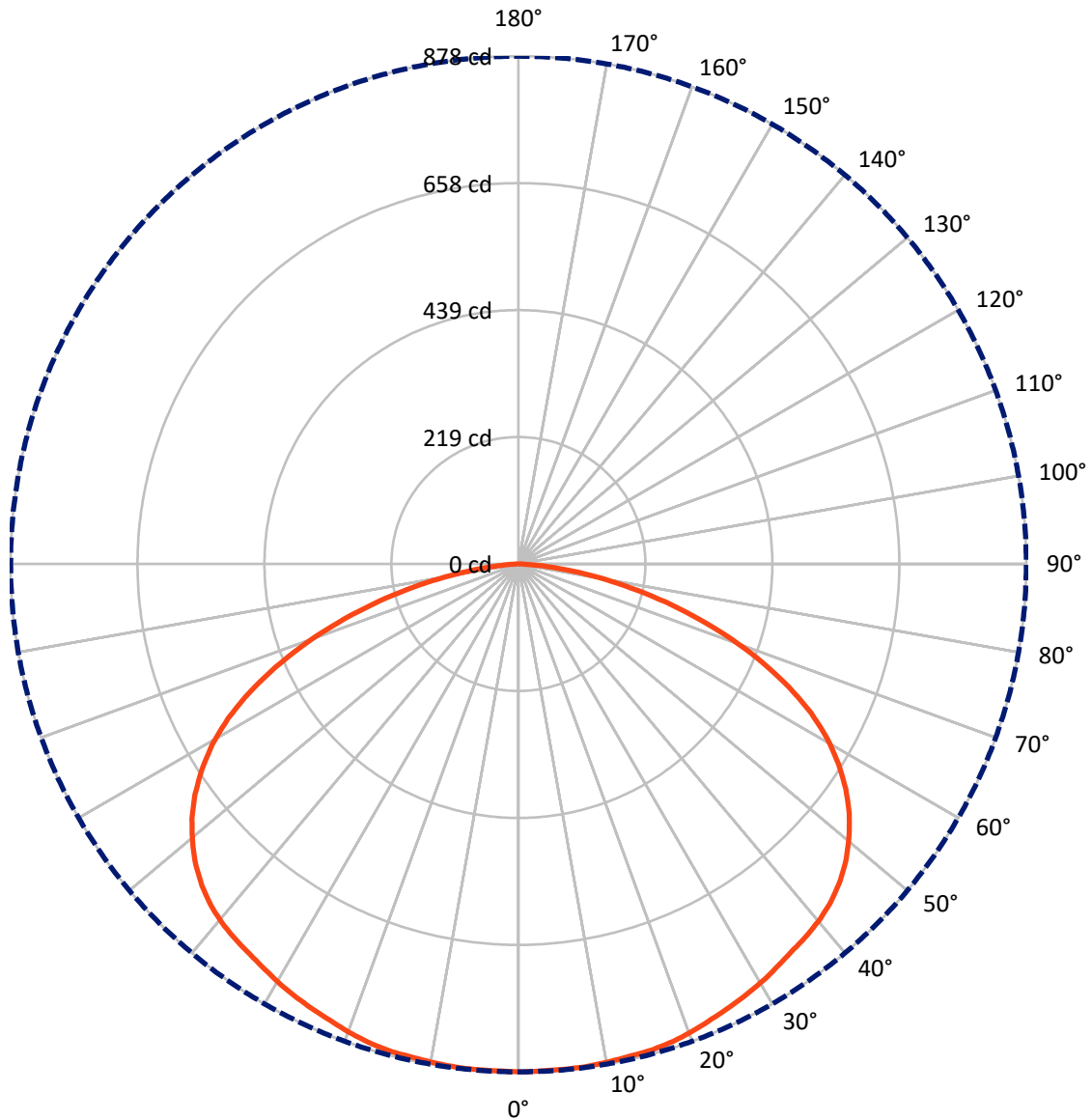


Based on 10 foot mounting height. Maximum calculated value = 8.8 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 0-Deg Vertical

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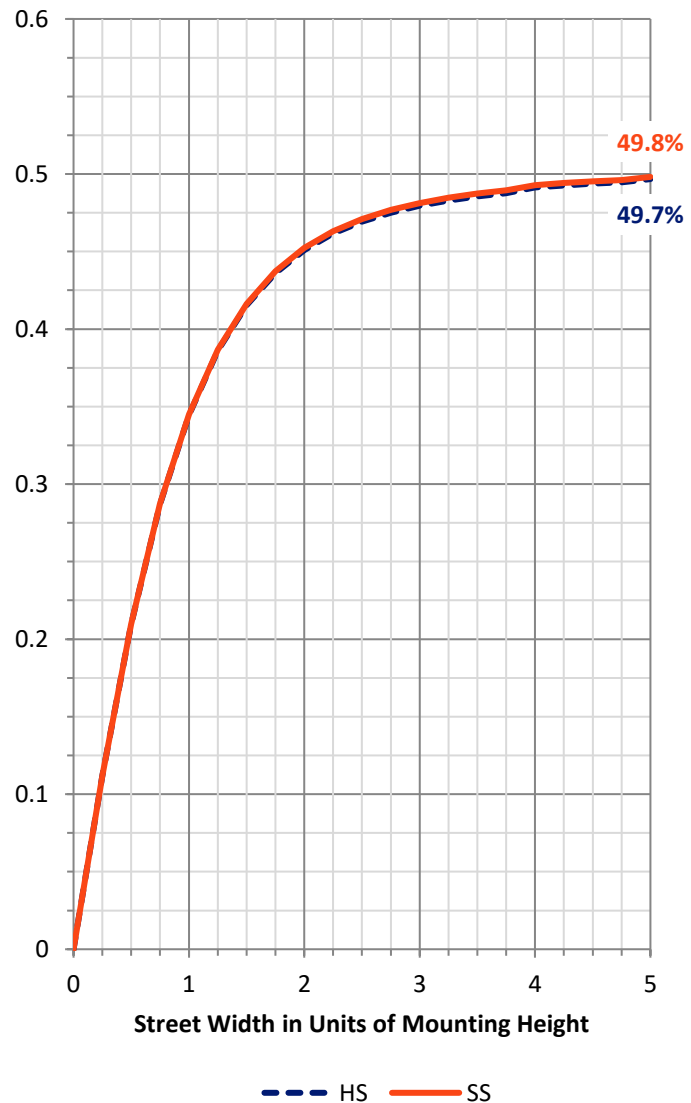
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1669.4	0.0	1669.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1669.4	0.0	1669.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	3338.9	0.0	3338.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.6	2.5
10°-20°	246.2	7.4
20°-30°	392.2	11.7
30°-40°	514.1	15.4
40°-50°	606.4	18.2
50°-60°	628.0	18.8
60°-70°	525.2	15.7
70°-80°	286.3	8.6
80°-90°	56.8	1.7
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°	3338.9	100.0
0°-180°	3338.9	100.0



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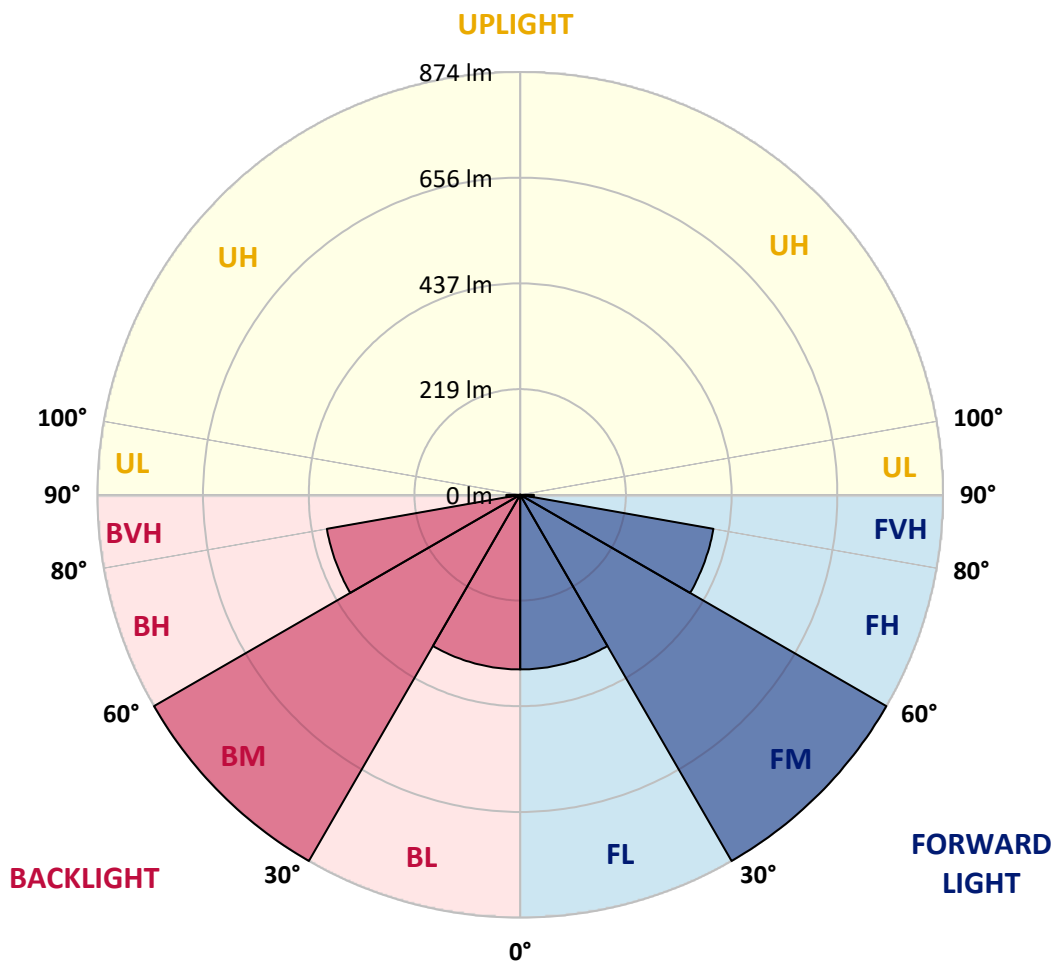
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	361.0	10.8			
FM	(30°-60°)	874.3	26.2			
FH	(60°-80°)	405.7	12.2			G0/660
FVH	(80°-90°)	28.4	0.9			G1/100
BL	(0°-30°)	361.0	10.8	B1/500		
BM	(30°-60°)	874.3	26.2	B1/1000		
BH	(60°-80°)	405.7	12.2	B1/500		G0/660
BVH	(80°-90°)	28.4	0.9			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	877.5	877.5	877.5	877.5	877.5	877.5	877.5	877.5	877.5	877.5	877.5
2.5°	876.7	877.5	877.5	877.5	877.5	877.5	877.5	877.5	876.7	877.5	877.5
5°	876.7	876.7	876.7	876.7	877.5	876.7	876.7	876.7	876.7	876.7	876.7
7.5°	876.1	875.4	875.4	875.4	875.4	875.4	876.1	876.1	876.1	876.1	876.1
10°	873.9	873.9	873.9	873.9	873.9	873.9	873.9	873.9	873.9	873.9	873.9
12.5°	871.8	871.8	871.8	871.8	872.6	872.6	872.6	872.6	872.6	872.6	871.8
15°	870.5	870.5	870.5	870.5	870.5	870.5	870.5	870.5	870.5	870.5	870.5
17.5°	867.0	867.0	867.0	867.0	867.6	867.6	867.6	867.6	867.6	867.6	867.6
20°	861.3	861.3	861.3	861.3	861.3	862.0	862.7	862.7	862.7	862.7	862.7
22.5°	854.3	854.3	855.0	855.0	855.7	855.7	856.4	856.4	856.4	856.4	856.4
25°	847.9	847.9	847.9	848.7	848.7	848.7	849.4	850.1	850.1	850.1	849.4
27.5°	841.6	841.6	841.6	842.3	842.3	842.3	843.0	843.0	843.8	843.0	843.0
30°	834.6	833.9	833.9	834.6	835.3	835.3	836.0	836.0	836.0	836.0	835.3
32.5°	826.2	826.2	826.9	827.6	827.6	828.3	829.0	829.0	829.0	829.7	828.3
35°	818.4	819.1	819.1	819.9	821.2	821.9	822.7	823.4	823.4	823.4	821.9
37.5°	812.2	812.8	813.5	815.0	816.3	817.8	819.1	820.6	819.9	819.9	817.8
40°	804.4	805.1	806.5	807.9	810.7	812.2	814.2	815.6	816.3	815.6	813.5
42.5°	793.9	794.6	795.9	798.0	801.6	804.4	806.5	808.6	809.4	808.6	806.5
45°	779.8	780.6	781.9	784.7	789.0	791.8	795.2	797.4	798.8	798.8	796.7
47.5°	762.3	763.0	765.1	767.9	772.0	775.6	779.8	782.6	784.0	785.4	783.4
50°	740.4	741.2	744.0	747.5	751.0	755.9	760.8	765.1	767.1	767.9	767.1
52.5°	715.9	716.6	719.4	722.9	727.8	733.5	739.1	744.0	746.8	748.2	746.8
55°	686.4	687.8	689.9	694.8	700.4	705.3	712.4	718.0	721.5	722.2	721.5
57.5°	652.0	654.0	656.1	661.8	667.4	674.4	680.0	685.6	689.9	690.6	690.6
60°	613.3	614.7	616.8	622.4	628.8	633.7	641.5	647.1	650.5	650.5	651.2
62.5°	567.6	569.1	572.5	576.8	583.8	588.7	595.1	600.7	604.1	605.6	604.9
65°	514.2	515.7	517.7	523.4	529.0	534.6	540.9	545.9	549.3	550.1	549.3
67.5°	455.3	456.6	458.1	465.0	470.7	472.8	480.5	484.8	486.9	487.6	487.6
70°	392.7	393.4	395.5	399.0	405.4	407.4	412.4	415.9	417.3	420.1	418.0
72.5°	327.4	328.8	333.7	334.4	339.3	342.1	343.5	343.5	347.0	347.0	347.8
75°	262.7	263.4	265.5	266.3	269.8	269.8	269.1	270.5	273.3	273.3	273.9
77.5°	198.8	198.8	202.3	199.5	201.0	198.2	199.5	198.2	200.2	199.5	200.2
80°	139.1	139.1	141.2	138.4	139.1	136.3	137.0	136.3	136.3	137.0	137.0
82.5°	85.7	86.4	87.8	85.7	85.7	83.6	84.3	85.0	85.0	84.3	83.6
85°	42.1	42.1	43.6	42.8	42.1	40.8	41.5	42.1	42.1	41.5	41.5
87.5°	11.2	11.2	12.0	12.0	11.2	10.5	11.2	12.0	12.0	12.0	11.2
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°	877.5	877.5	877.5	877.5	877.5	877.5	877.5	877.5
2.5°	876.7	876.7	877.5	876.7	877.5	876.7	877.5	877.5
5°	876.7	876.7	876.7	876.7	876.7	876.7	876.7	876.7
7.5°	875.4	876.1	875.4	875.4	875.4	876.1	875.4	876.1
10°	873.9	873.9	873.9	873.9	873.9	873.9	873.9	873.9
12.5°	871.8	871.8	871.8	871.8	871.8	871.8	871.8	871.1
15°	870.5	869.8	869.8	869.8	869.0	869.0	869.0	869.0
17.5°	867.6	867.0	866.2	866.2	866.2	866.2	865.5	865.5
20°	862.7	862.0	861.3	861.3	860.6	860.6	859.9	859.9
22.5°	855.7	855.7	855.0	854.3	854.3	853.5	853.5	852.9
25°	849.4	848.7	847.9	847.3	846.6	846.6	845.8	845.1
27.5°	842.3	841.0	840.2	839.5	838.8	838.2	837.4	836.7
30°	834.6	833.2	831.8	831.1	829.7	828.3	827.6	826.9
32.5°	826.9	825.5	823.4	821.2	819.9	818.4	817.1	816.3
35°	820.6	817.8	815.6	812.8	810.7	808.6	807.9	807.2
37.5°	815.6	812.8	809.4	806.5	804.4	801.6	800.2	798.8
40°	810.7	807.2	803.0	799.5	796.7	793.1	791.8	790.3
42.5°	803.7	799.5	795.2	791.1	786.8	783.4	781.2	779.8
45°	793.9	789.6	784.7	779.1	774.9	770.7	768.6	767.1
47.5°	780.6	776.3	770.7	765.8	760.8	756.6	753.8	752.4
50°	764.3	760.2	754.6	748.9	744.0	739.1	737.0	734.8
52.5°	744.0	740.4	734.2	729.9	724.3	719.4	717.2	715.9
55°	718.7	715.2	708.8	704.7	699.1	694.8	692.0	689.9
57.5°	687.8	685.0	677.9	673.7	668.1	663.9	661.8	660.4
60°	649.9	647.1	640.0	635.8	630.9	626.0	624.5	623.2
62.5°	602.8	601.3	595.7	590.8	585.9	581.0	579.6	578.9
65°	548.0	546.5	541.7	537.4	533.2	529.0	527.6	526.2
67.5°	485.4	484.8	480.5	477.0	474.2	470.0	469.3	467.8
70°	418.7	417.3	413.8	411.0	408.9	405.4	404.6	403.3
72.5°	349.1	348.5	346.3	342.9	342.9	337.9	337.3	336.5
75°	272.6	276.1	273.3	271.9	271.9	269.1	269.1	268.3
77.5°	199.5	203.0	205.1	202.3	205.1	202.3	202.3	201.6
80°	136.3	139.1	141.2	139.1	142.6	140.5	140.5	143.4
82.5°	82.9	85.7	87.1	86.4	88.5	87.8	87.1	89.2
85°	40.8	42.1	42.8	42.8	43.6	42.1	43.6	44.3
87.5°	10.5	11.2	12.0	11.2	12.0	12.0	12.0	12.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)