

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: P197512

Luminaire Tested: **TT-C1-LED-E1-5CQ-PM-LWR-LW-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197512
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-7060
Description: TOPTIER LED AREA/SITE LUMINAIRE
CONCENTRATED DISTRIBUTION WITH LumaWatt WIRELESS SENSOR
Light Source: (168) 5700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3263.1 lumens
Efficiency: N/A
Efficacy: 116.5 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 (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

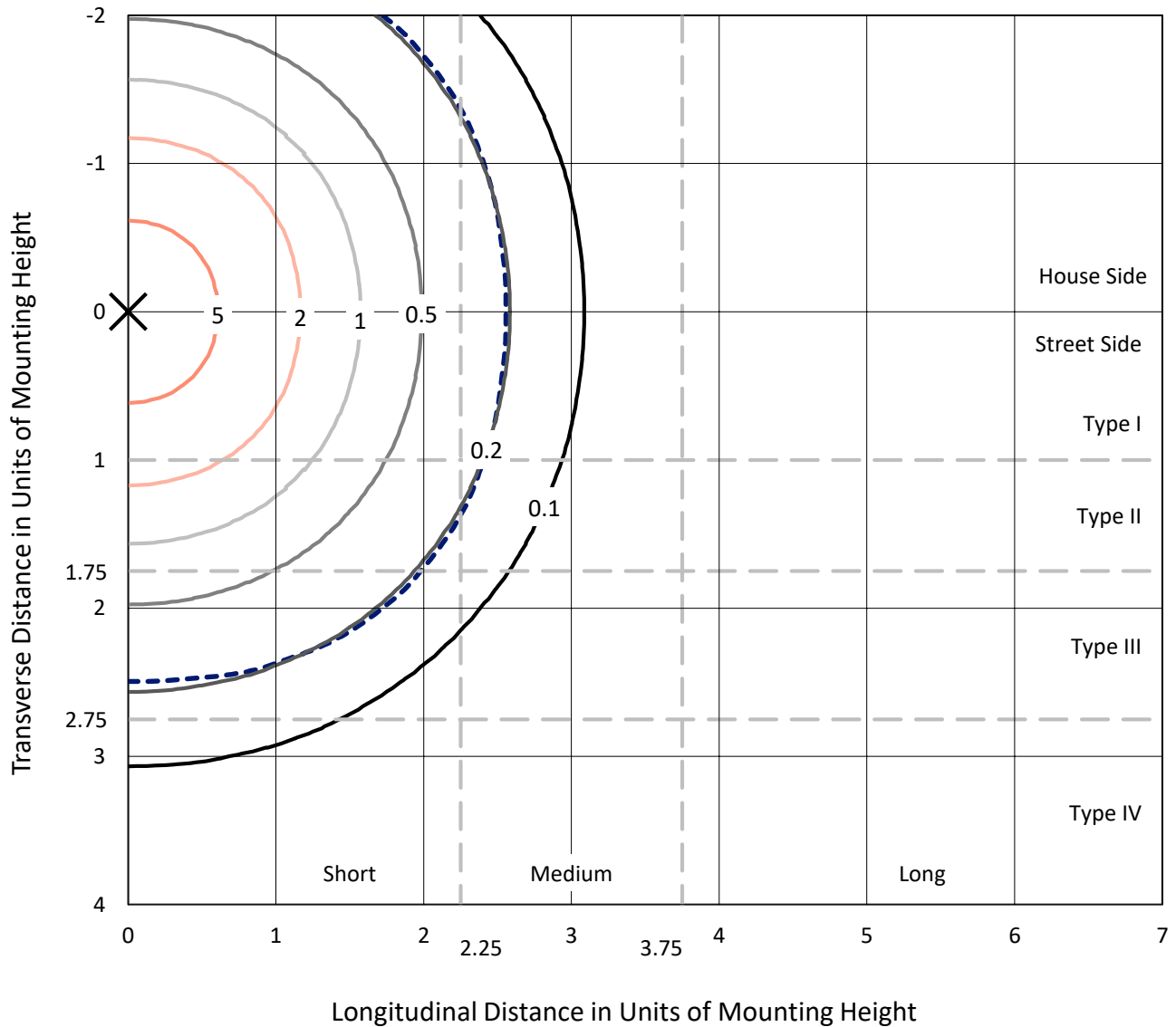


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

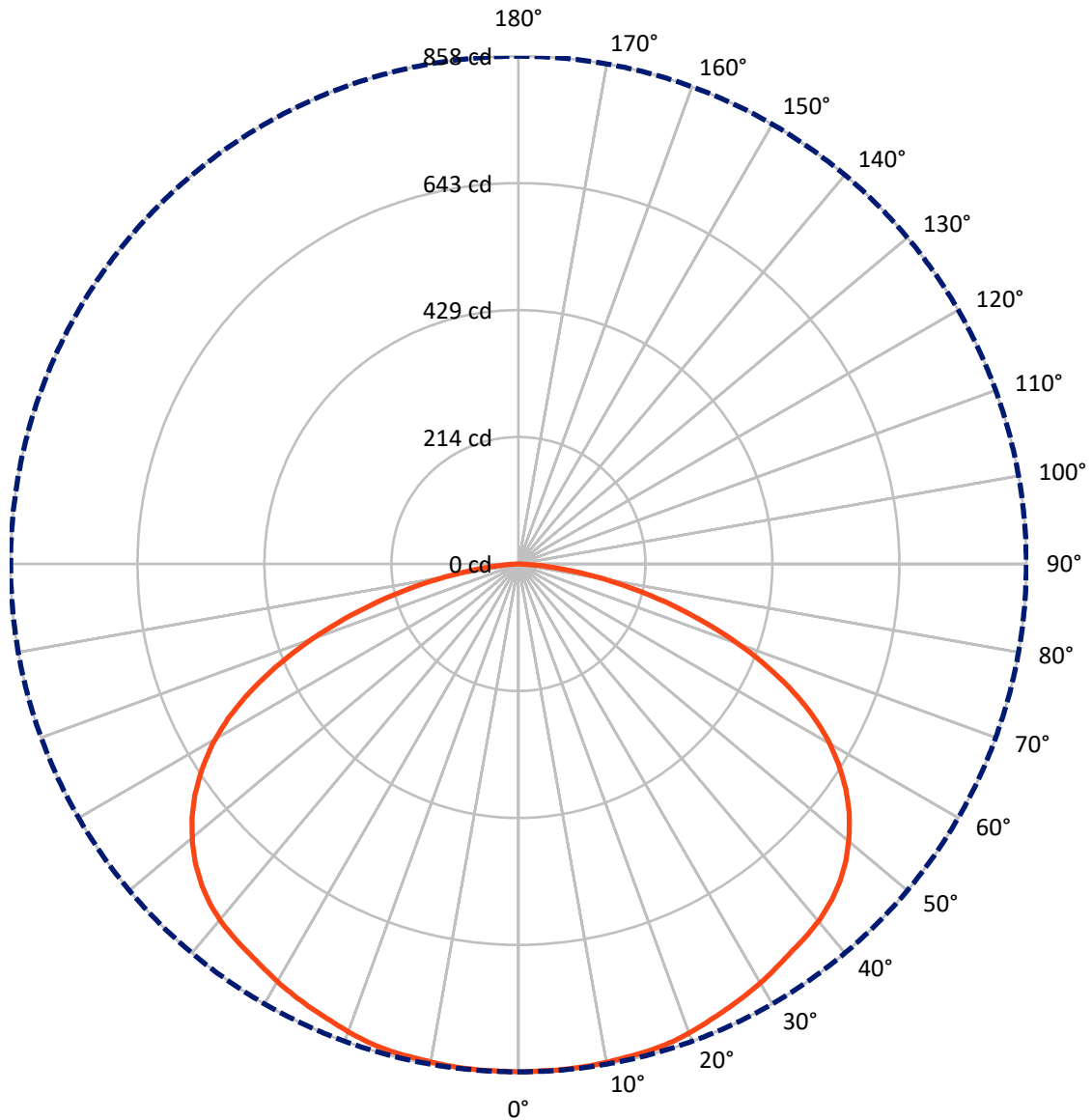


Based on 10 foot mounting height. Maximum calculated value = 8.6 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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

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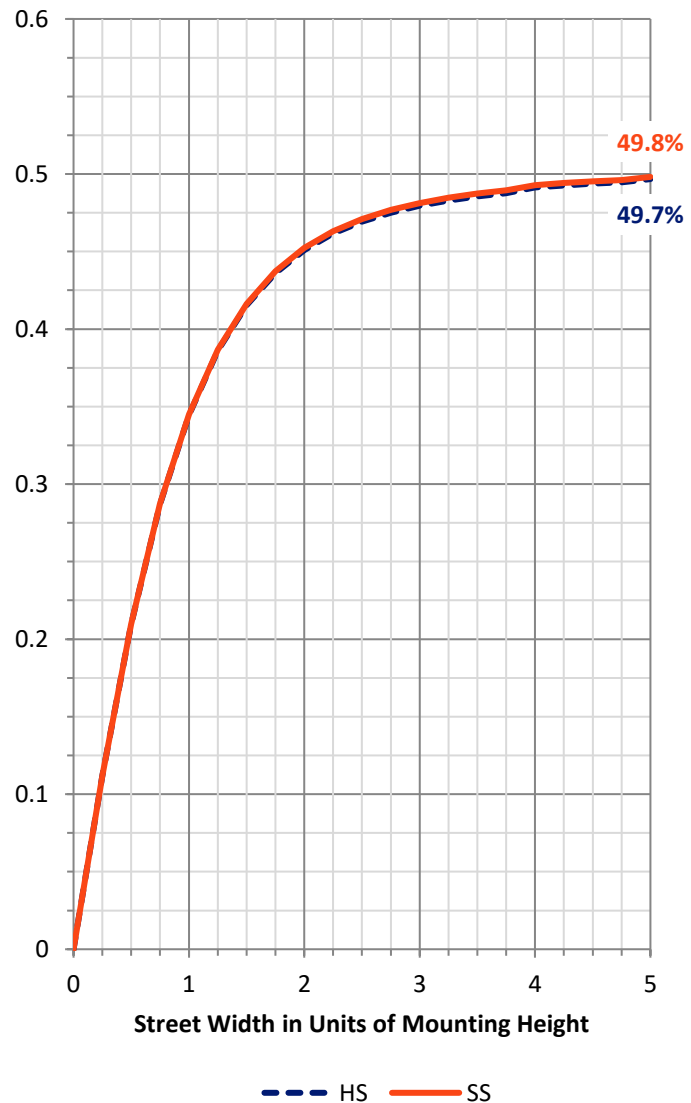
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1631.6	0.0	1631.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1631.6	0.0	1631.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	3263.1	0.0	3263.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.7	2.5
10°-20°	240.6	7.4
20°-30°	383.3	11.7
30°-40°	502.5	15.4
40°-50°	592.6	18.2
50°-60°	613.8	18.8
60°-70°	513.3	15.7
70°-80°	279.8	8.6
80°-90°	55.5	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°	3263.1	100.0
0°-180°	3263.1	100.0



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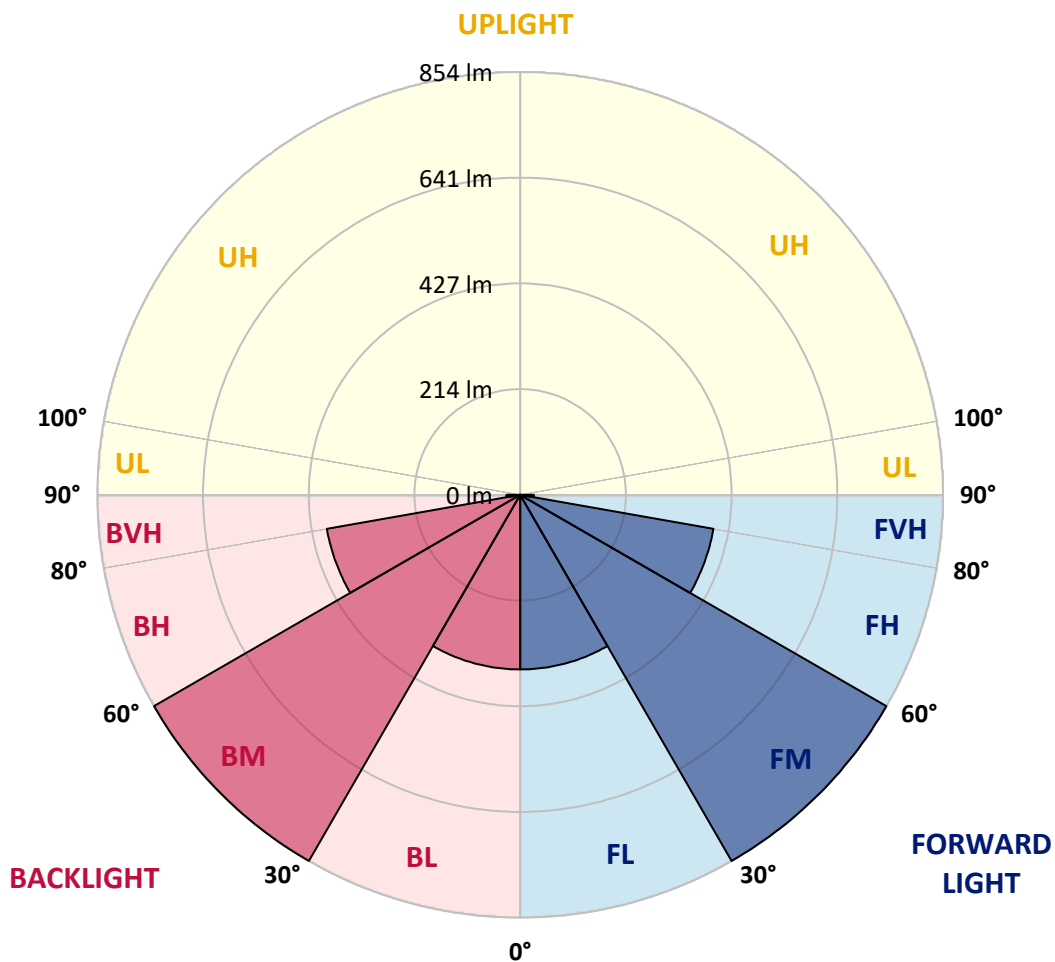
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	352.8	10.8			
FM	(30°-60°)	854.5	26.2			
FH	(60°-80°)	396.5	12.2			G0/660
FVH	(80°-90°)	27.8	0.9			G1/100
BL	(0°-30°)	352.8	10.8	B1/500		
BM	(30°-60°)	854.5	26.2	B1/1000		
BH	(60°-80°)	396.5	12.2	B1/500		G0/660
BVH	(80°-90°)	27.8	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°	857.6	857.6	857.6	857.6	857.6	857.6	857.6	857.6	857.6	857.6	857.6
2.5°	856.9	857.6	857.6	857.6	857.6	857.6	857.6	857.6	856.9	857.6	857.6
5°	856.9	856.9	856.9	856.9	857.6	856.9	856.9	856.9	856.9	856.9	856.9
7.5°	856.1	855.5	855.5	855.5	855.5	855.5	856.1	856.1	856.1	856.1	856.1
10°	854.1	854.1	854.1	854.1	854.1	854.1	854.1	854.1	854.1	854.1	854.1
12.5°	852.1	852.1	852.1	852.1	852.8	852.8	852.8	852.8	852.8	852.8	852.1
15°	850.7	850.7	850.7	850.7	850.7	850.7	850.7	850.7	850.7	850.7	850.7
17.5°	847.3	847.3	847.3	847.3	847.9	847.9	847.9	847.9	847.9	847.9	847.9
20°	841.7	841.7	841.7	841.7	841.7	842.4	843.1	843.1	843.1	843.1	843.1
22.5°	834.9	834.9	835.6	835.6	836.2	836.2	837.0	837.0	837.0	837.0	837.0
25°	828.7	828.7	828.7	829.4	829.4	829.4	830.1	830.8	830.8	830.8	830.1
27.5°	822.5	822.5	822.5	823.3	823.3	823.3	824.0	824.0	824.6	824.0	824.0
30°	815.6	815.0	815.0	815.6	816.3	816.3	817.1	817.1	817.1	817.1	816.3
32.5°	807.4	807.4	808.1	808.8	808.8	809.5	810.2	810.2	810.2	810.9	809.5
35°	799.9	800.6	800.6	801.2	802.6	803.4	804.0	804.7	804.7	804.7	803.4
37.5°	793.7	794.4	795.1	796.4	797.9	799.2	800.6	801.9	801.2	801.2	799.2
40°	786.2	786.8	788.2	789.5	792.3	793.7	795.7	797.2	797.9	797.2	795.1
42.5°	775.8	776.6	777.9	780.0	783.5	786.2	788.2	790.3	791.0	790.3	788.2
45°	762.1	762.8	764.2	766.9	771.1	773.8	777.3	779.3	780.7	780.7	778.6
47.5°	745.0	745.7	747.7	750.5	754.6	758.0	762.1	764.9	766.2	767.6	765.6
50°	723.7	724.4	727.1	730.6	734.0	738.8	743.6	747.7	749.7	750.5	749.7
52.5°	699.6	700.3	703.0	706.5	711.3	716.9	722.3	727.1	729.9	731.3	729.9
55°	670.8	672.2	674.2	679.1	684.6	689.3	696.2	701.7	705.2	705.8	705.2
57.5°	637.2	639.2	641.3	646.8	652.3	659.1	664.7	670.2	674.2	674.9	674.9
60°	599.4	600.8	602.8	608.3	614.5	619.3	626.9	632.4	635.8	635.8	636.4
62.5°	554.7	556.1	559.6	563.7	570.6	575.3	581.5	587.0	590.5	591.9	591.2
65°	502.6	504.0	506.0	511.5	517.1	522.5	528.6	533.5	537.0	537.6	537.0
67.5°	444.9	446.3	447.6	454.5	460.0	462.0	469.6	473.7	475.8	476.5	476.5
70°	383.8	384.5	386.6	390.0	396.1	398.3	403.0	406.5	407.8	410.6	408.5
72.5°	320.0	321.3	326.1	326.8	331.7	334.4	335.7	335.7	339.2	339.2	339.9
75°	256.8	257.5	259.5	260.2	263.7	263.7	262.9	264.4	267.1	267.1	267.8
77.5°	194.3	194.3	197.8	195.0	196.3	193.6	195.0	193.6	195.6	195.0	195.6
80°	135.9	135.9	138.0	135.2	135.9	133.2	133.9	133.2	133.2	133.9	133.9
82.5°	83.8	84.5	85.8	83.8	83.8	81.7	82.4	83.0	83.0	82.4	81.7
85°	41.2	41.2	42.5	41.9	41.2	39.8	40.5	41.2	41.2	40.5	40.5
87.5°	11.0	11.0	11.7	11.7	11.0	10.3	11.0	11.7	11.7	11.7	11.0
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°	857.6	857.6	857.6	857.6	857.6	857.6	857.6	857.6
2.5°	856.9	856.9	857.6	856.9	857.6	856.9	857.6	857.6
5°	856.9	856.9	856.9	856.9	856.9	856.9	856.9	856.9
7.5°	855.5	856.1	855.5	855.5	855.5	856.1	855.5	856.1
10°	854.1	854.1	854.1	854.1	854.1	854.1	854.1	854.1
12.5°	852.1	852.1	852.1	852.1	852.1	852.1	852.1	851.4
15°	850.7	850.1	850.1	850.1	849.3	849.3	849.3	849.3
17.5°	847.9	847.3	846.6	846.6	846.6	846.6	845.9	845.9
20°	843.1	842.4	841.7	841.7	841.1	841.1	840.4	840.4
22.5°	836.2	836.2	835.6	834.9	834.9	834.2	834.2	833.5
25°	830.1	829.4	828.7	828.0	827.3	827.3	826.7	826.0
27.5°	823.3	821.8	821.2	820.5	819.8	819.1	818.4	817.8
30°	815.6	814.3	812.9	812.3	810.9	809.5	808.8	808.1
32.5°	808.1	806.7	804.7	802.6	801.2	799.9	798.5	797.9
35°	801.9	799.2	797.2	794.4	792.3	790.3	789.5	788.9
37.5°	797.2	794.4	791.0	788.2	786.2	783.5	782.0	780.7
40°	792.3	788.9	784.8	781.3	778.6	775.1	773.8	772.4
42.5°	785.5	781.3	777.3	773.1	769.0	765.6	763.5	762.1
45°	775.8	771.8	766.9	761.4	757.4	753.2	751.2	749.7
47.5°	762.8	758.7	753.2	748.4	743.6	739.5	736.8	735.3
50°	747.0	742.9	737.4	731.9	727.1	722.3	720.2	718.2
52.5°	727.1	723.7	717.5	713.4	707.9	703.0	701.0	699.6
55°	702.4	699.0	692.8	688.6	683.1	679.1	676.3	674.2
57.5°	672.2	669.4	662.5	658.5	653.0	648.8	646.8	645.4
60°	635.1	632.4	625.5	621.3	616.6	611.8	610.4	609.0
62.5°	589.1	587.7	582.2	577.5	572.6	567.8	566.4	565.8
65°	535.5	534.2	529.3	525.3	521.1	517.1	515.6	514.2
67.5°	474.4	473.7	469.6	466.2	463.5	459.3	458.7	457.3
70°	409.2	407.8	404.4	401.6	399.6	396.1	395.4	394.1
72.5°	341.2	340.5	338.5	335.0	335.0	330.3	329.5	328.8
75°	266.4	269.8	267.1	265.7	265.7	262.9	262.9	262.2
77.5°	195.0	198.4	200.5	197.8	200.5	197.8	197.8	197.1
80°	133.2	135.9	138.0	135.9	139.4	137.4	137.4	140.1
82.5°	81.0	83.8	85.2	84.5	86.5	85.8	85.2	87.2
85°	39.8	41.2	41.9	41.9	42.5	41.2	42.5	43.2
87.5°	10.3	11.0	11.7	11.0	11.7	11.7	11.7	12.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)