

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: P197513

Luminaire Tested: **TT-C2-LED-E1-5CQ-PM-LWR-LW-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197513
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-C2-LED-E1-5CQ-PM-LWR-LW-8030
Description: TOPTIER LED AREA/SITE LUMINAIRE
CONCENTRATED DISTRIBUTION WITH LumaWatt WIRELESS SENSOR
Light Source: (168) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3660.8 lumens
Efficiency: N/A
Efficacy: 107.7 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): 34
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

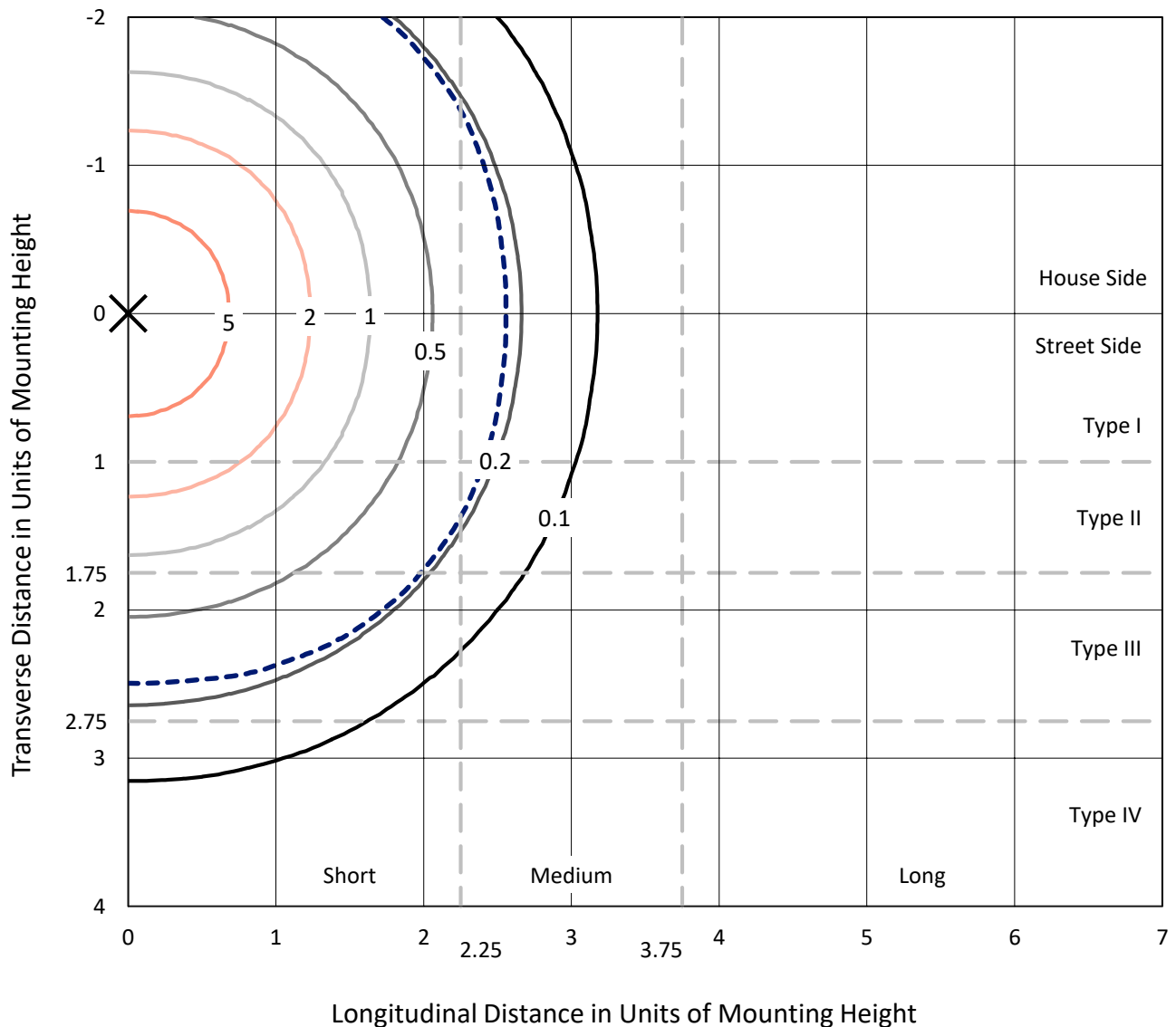


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Iso-Footcandle Lines of Horizontal Illumination

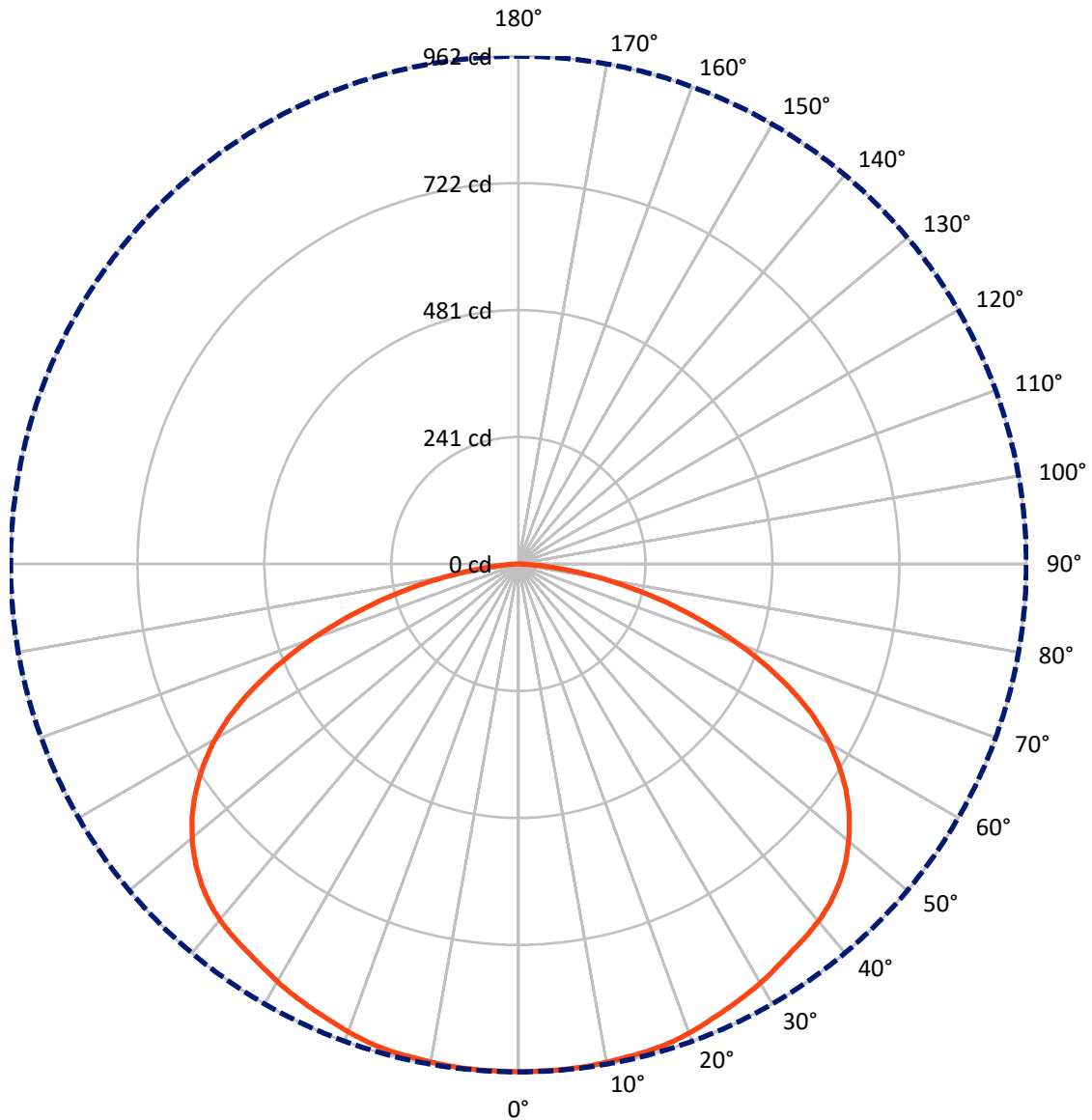
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.6 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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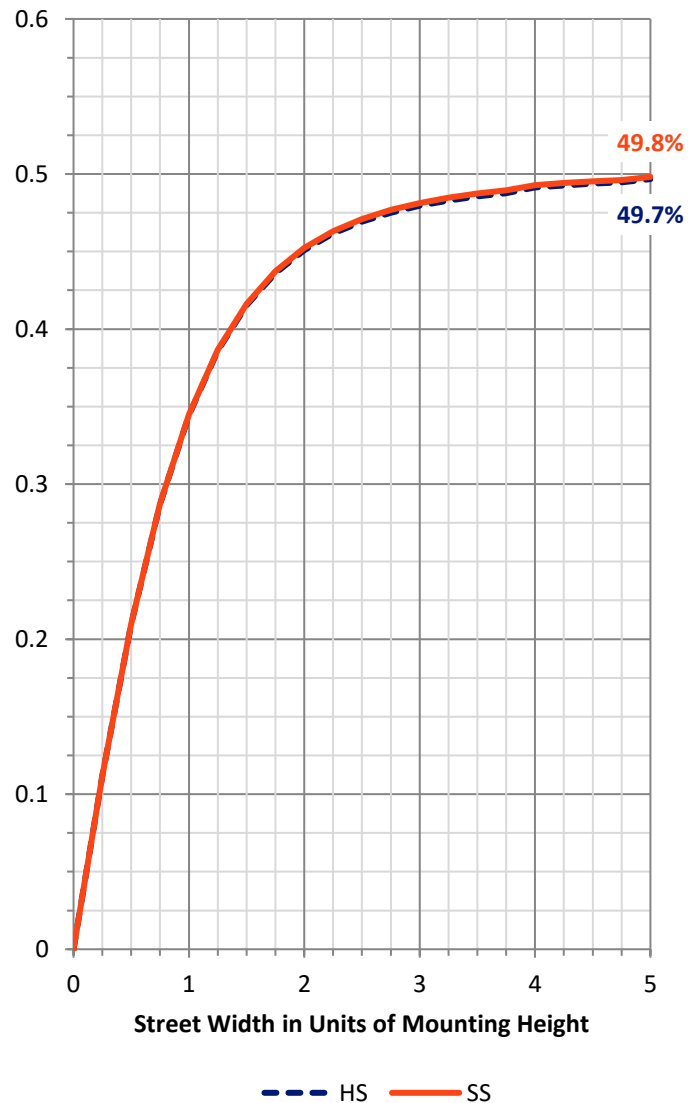
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1830.4	0.0	1830.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1830.4	0.0	1830.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	3660.8	0.0	3660.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.7	2.5
10°-20°	270.0	7.4
20°-30°	430.0	11.7
30°-40°	563.7	15.4
40°-50°	664.9	18.2
50°-60°	688.6	18.8
60°-70°	575.9	15.7
70°-80°	313.9	8.6
80°-90°	62.3	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°	3660.8	100.0
0°-180°	3660.8	100.0

Coefficient of Utilization



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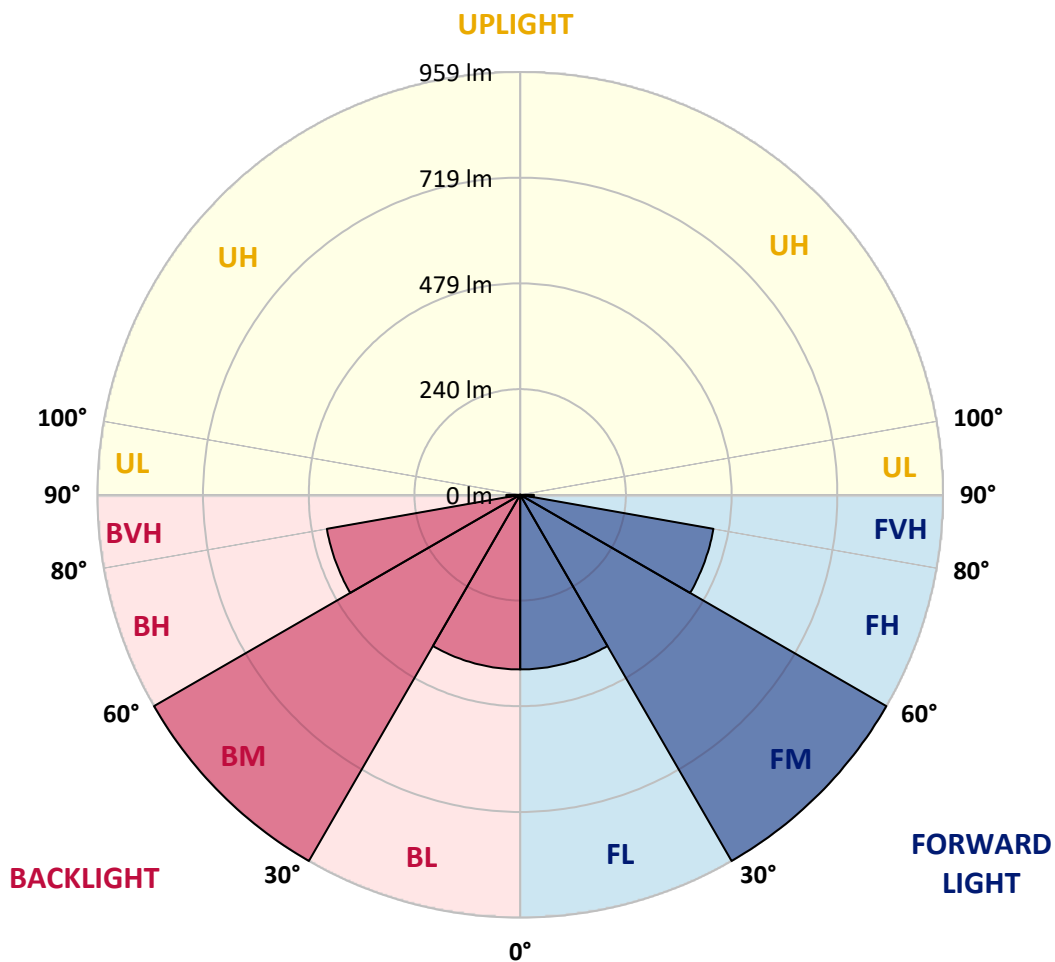
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	395.8	10.8			
FM	(30°-60°)	958.6	26.2			
FH	(60°-80°)	444.9	12.2			G0/660
FVH	(80°-90°)	31.1	0.9			G1/100
BL	(0°-30°)	395.8	10.8	B1/500		
BM	(30°-60°)	958.6	26.2	B1/1000		
BH	(60°-80°)	444.9	12.2	B1/500		G0/660
BVH	(80°-90°)	31.1	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°	962.1	962.1	962.1	962.1	962.1	962.1	962.1	962.1	962.1	962.1	962.1
2.5°	961.3	962.1	962.1	962.1	962.1	962.1	962.1	962.1	961.3	962.1	962.1
5°	961.3	961.3	961.3	961.3	962.1	961.3	961.3	961.3	961.3	961.3	961.3
7.5°	960.5	959.8	959.8	959.8	959.8	959.8	960.5	960.5	960.5	960.5	960.5
10°	958.2	958.2	958.2	958.2	958.2	958.2	958.2	958.2	958.2	958.2	958.2
12.5°	955.9	955.9	955.9	955.9	956.7	956.7	956.7	956.7	956.7	956.7	955.9
15°	954.4	954.4	954.4	954.4	954.4	954.4	954.4	954.4	954.4	954.4	954.4
17.5°	950.5	950.5	950.5	950.5	951.3	951.3	951.3	951.3	951.3	951.3	951.3
20°	944.4	944.4	944.4	944.4	944.4	945.2	945.9	945.9	945.9	945.9	945.9
22.5°	936.7	936.7	937.4	937.4	938.2	938.2	939.0	939.0	939.0	939.0	939.0
25°	929.7	929.7	929.7	930.5	930.5	930.5	931.3	932.0	932.0	932.0	931.3
27.5°	922.8	922.8	922.8	923.6	923.6	923.6	924.4	924.4	925.1	924.4	924.4
30°	915.1	914.3	914.3	915.1	915.9	915.9	916.7	916.7	916.7	916.7	915.9
32.5°	905.8	905.8	906.6	907.4	907.4	908.1	908.9	908.9	908.9	909.7	908.1
35°	897.4	898.2	898.2	899.0	900.4	901.2	902.0	902.7	902.7	902.7	901.2
37.5°	890.5	891.2	892.0	893.6	895.1	896.6	898.2	899.7	899.0	899.0	896.6
40°	882.0	882.7	884.3	885.8	888.9	890.5	892.8	894.3	895.1	894.3	892.0
42.5°	870.5	871.2	872.8	875.1	878.9	882.0	884.3	886.6	887.4	886.6	884.3
45°	855.0	855.8	857.3	860.4	865.0	868.1	872.0	874.3	875.8	875.8	873.5
47.5°	835.7	836.5	838.8	841.9	846.6	850.4	855.0	858.1	859.6	861.2	858.9
50°	811.9	812.6	815.7	819.6	823.5	828.8	834.2	838.8	841.2	841.9	841.2
52.5°	784.9	785.7	788.8	792.6	798.0	804.1	810.3	815.7	818.8	820.4	818.8
55°	752.5	754.1	756.4	761.8	768.0	773.4	781.0	787.2	791.1	791.9	791.1
57.5°	714.8	717.1	719.5	725.6	731.7	739.5	745.7	751.8	756.4	757.2	757.2
60°	672.5	674.0	676.4	682.4	689.4	694.8	703.2	709.4	713.3	713.3	714.0
62.5°	622.4	624.0	627.8	632.4	640.1	645.5	652.5	658.6	662.4	664.0	663.2
65°	563.8	565.4	567.7	573.9	580.0	586.2	593.1	598.5	602.4	603.2	602.4
67.5°	499.2	500.7	502.3	509.9	516.1	518.4	526.9	531.5	533.8	534.5	534.5
70°	430.6	431.4	433.6	437.5	444.5	446.8	452.2	456.1	457.5	460.6	458.3
72.5°	358.9	360.5	365.9	366.6	372.1	375.1	376.7	376.7	380.6	380.6	381.3
75°	288.1	288.8	291.1	291.9	295.8	295.8	295.0	296.6	299.7	299.7	300.4
77.5°	218.0	218.0	221.8	218.7	220.3	217.2	218.7	217.2	219.5	218.7	219.5
80°	152.5	152.5	154.9	151.8	152.5	149.4	150.2	149.4	149.4	150.2	150.2
82.5°	94.0	94.7	96.3	94.0	94.0	91.6	92.4	93.2	93.2	92.4	91.6
85°	46.2	46.2	47.8	47.0	46.2	44.7	45.4	46.2	46.2	45.4	45.4
87.5°	12.4	12.4	13.0	13.0	12.4	11.6	12.4	13.0	13.0	13.0	12.4
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°	962.1	962.1	962.1	962.1	962.1	962.1	962.1	962.1
2.5°	961.3	961.3	962.1	961.3	962.1	961.3	962.1	962.1
5°	961.3	961.3	961.3	961.3	961.3	961.3	961.3	961.3
7.5°	959.8	960.5	959.8	959.8	959.8	960.5	959.8	960.5
10°	958.2	958.2	958.2	958.2	958.2	958.2	958.2	958.2
12.5°	955.9	955.9	955.9	955.9	955.9	955.9	955.9	955.1
15°	954.4	953.6	953.6	953.6	952.8	952.8	952.8	952.8
17.5°	951.3	950.5	949.7	949.7	949.7	949.7	949.0	949.0
20°	945.9	945.2	944.4	944.4	943.6	943.6	942.9	942.9
22.5°	938.2	938.2	937.4	936.7	936.7	935.9	935.9	935.1
25°	931.3	930.5	929.7	928.9	928.2	928.2	927.4	926.6
27.5°	923.6	922.1	921.3	920.5	919.7	919.0	918.2	917.4
30°	915.1	913.6	912.0	911.2	909.7	908.1	907.4	906.6
32.5°	906.6	905.1	902.7	900.4	899.0	897.4	895.9	895.1
35°	899.7	896.6	894.3	891.2	888.9	886.6	885.8	885.0
37.5°	894.3	891.2	887.4	884.3	882.0	878.9	877.3	875.8
40°	888.9	885.0	880.4	876.5	873.5	869.7	868.1	866.6
42.5°	881.2	876.5	872.0	867.4	862.7	858.9	856.5	855.0
45°	870.5	865.8	860.4	854.2	849.7	845.0	842.7	841.2
47.5°	855.8	851.1	845.0	839.6	834.2	829.6	826.5	825.0
50°	838.1	833.4	827.2	821.2	815.7	810.3	808.0	805.7
52.5°	815.7	811.9	804.9	800.4	794.2	788.8	786.5	784.9
55°	788.0	784.1	777.2	772.6	766.4	761.8	758.7	756.4
57.5°	754.1	751.1	743.3	738.7	732.5	727.9	725.6	724.1
60°	712.5	709.4	701.8	697.1	691.7	686.3	684.8	683.2
62.5°	660.9	659.3	653.2	647.8	642.4	637.0	635.5	634.7
65°	600.9	599.3	593.9	589.3	584.6	580.0	578.5	577.0
67.5°	532.2	531.5	526.9	523.0	520.0	515.3	514.5	513.0
70°	459.1	457.5	453.7	450.6	448.3	444.5	443.7	442.1
72.5°	382.8	382.1	379.8	375.9	375.9	370.5	369.7	369.0
75°	298.9	302.7	299.7	298.1	298.1	295.0	295.0	294.2
77.5°	218.7	222.6	224.9	221.8	224.9	221.8	221.8	221.1
80°	149.4	152.5	154.9	152.5	156.4	154.1	154.1	157.2
82.5°	90.9	94.0	95.5	94.7	97.0	96.3	95.5	97.8
85°	44.7	46.2	47.0	47.0	47.8	46.2	47.8	48.5
87.5°	11.6	12.4	13.0	12.4	13.0	13.0	13.0	13.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)