

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: P197681

Luminaire Tested: **TT-C2-LED-E1-MQ-CG-MS/DIM-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197681
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-C2-LED-E1-MQ-CG-MS/DIM-8030
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
MEDIUM DISTRIBUTION WITH CLEAR GLASS LENS AND DIMMING OCCUPANCY SENSOR
Light Source: (168) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3535.4 lumens
Efficiency: N/A
Efficacy: 104.0 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): 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

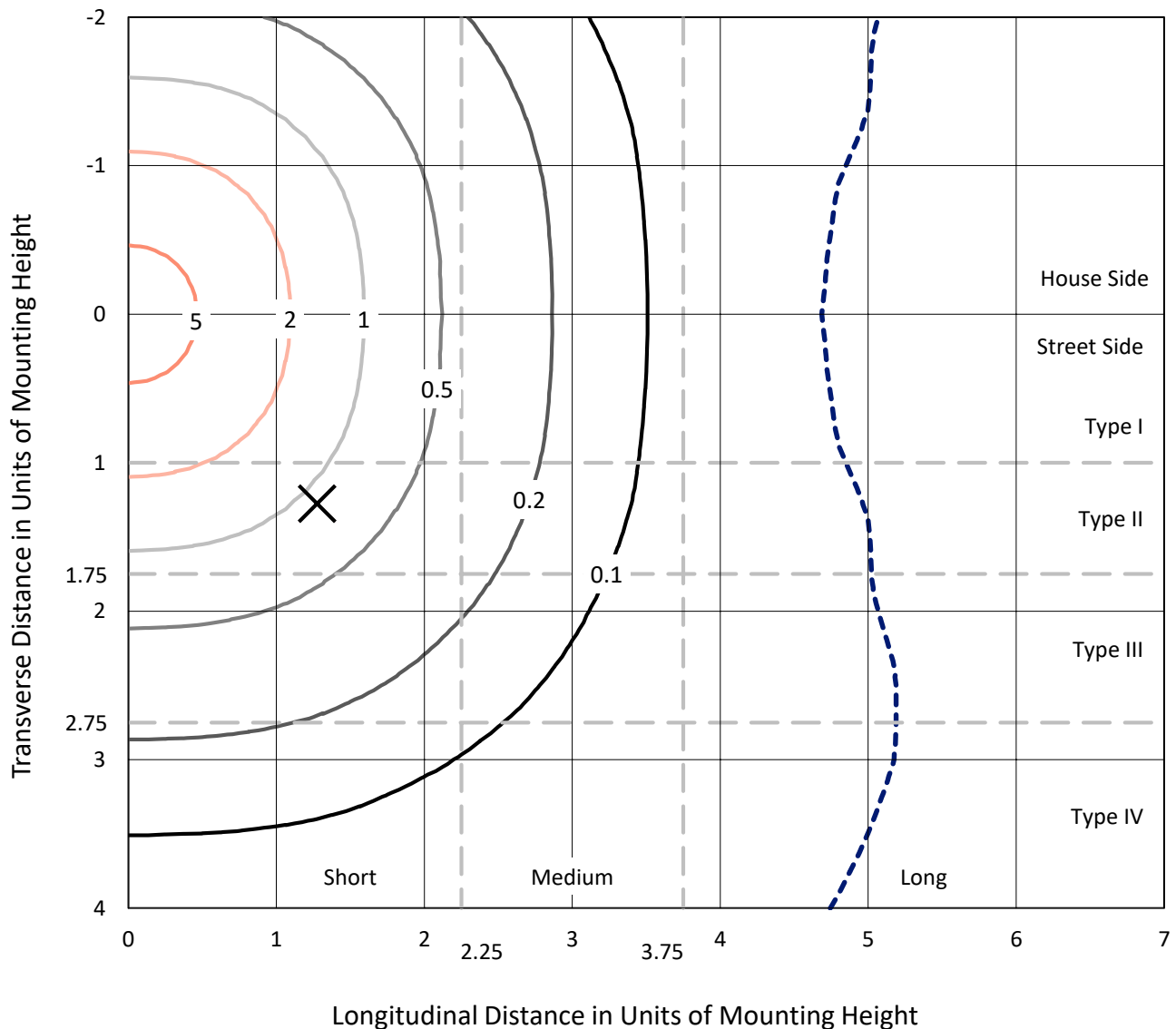


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

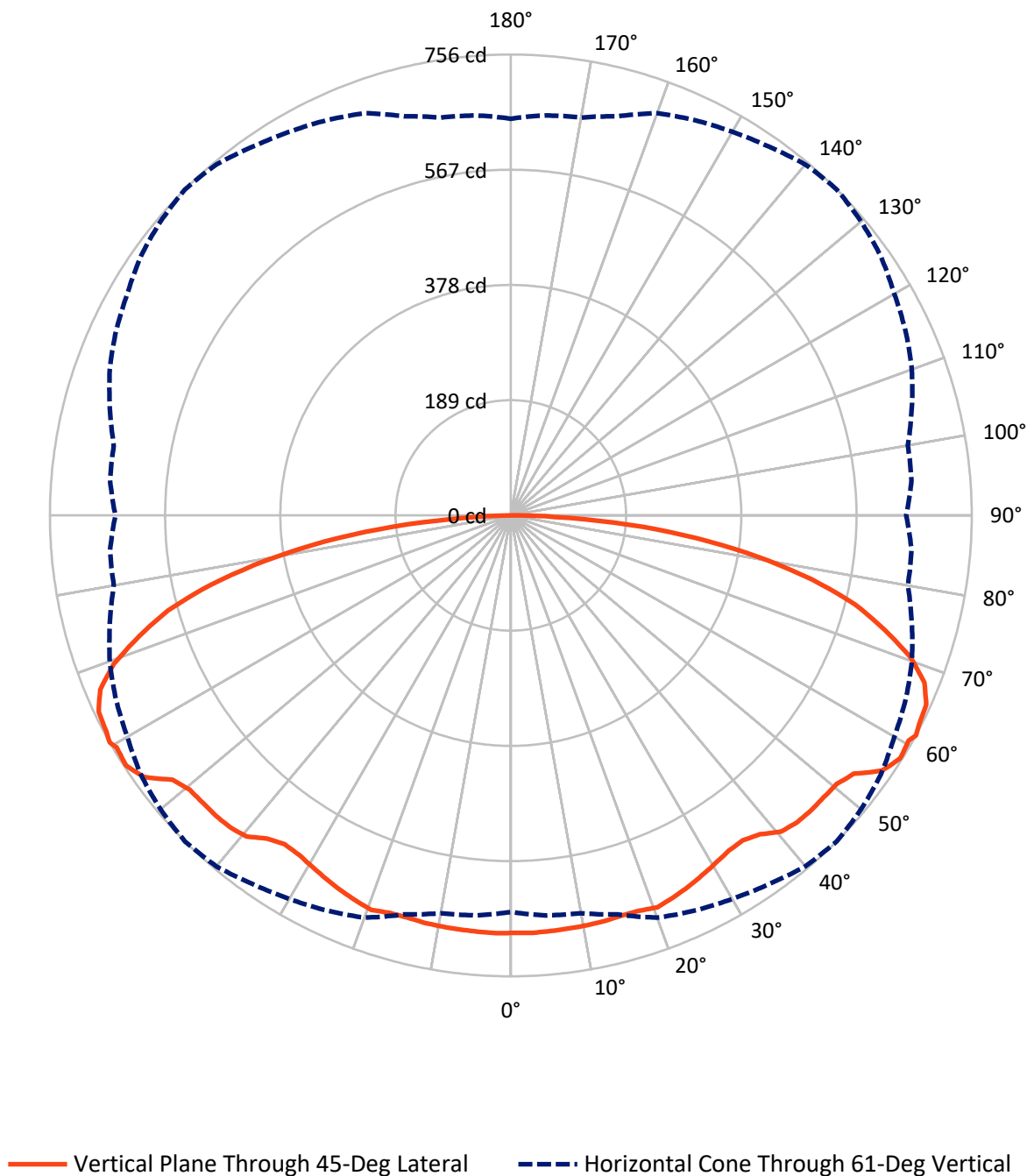


Based on 10 foot mounting height. Maximum calculated value = 6.8 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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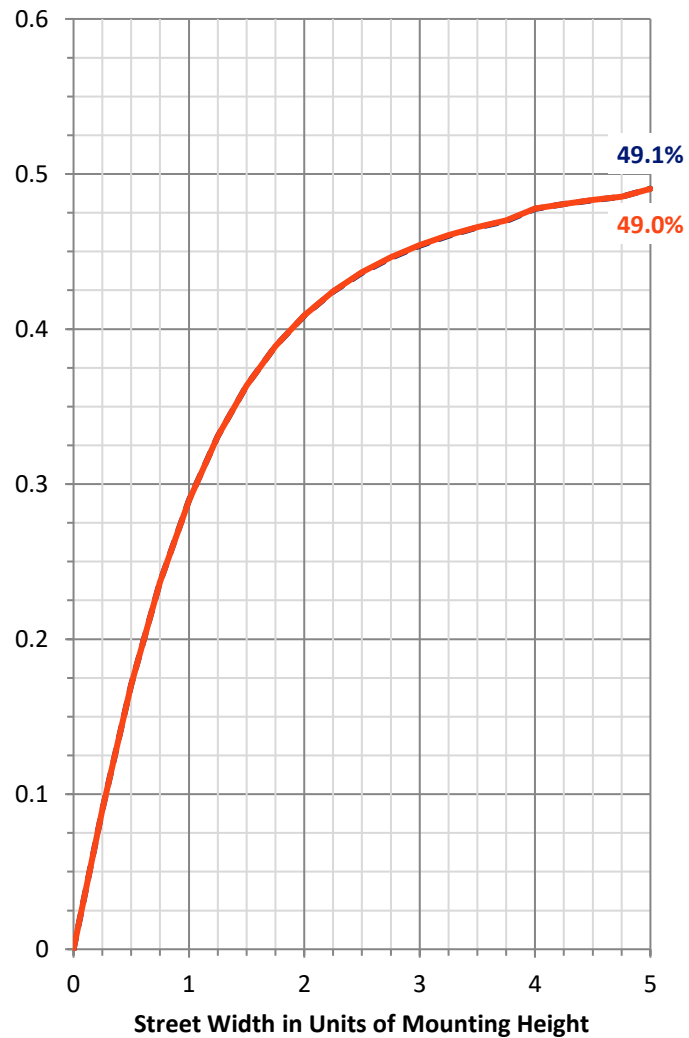
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1767.7	0.0	1767.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1767.7	0.0	1767.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	3535.4	0.0	3535.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.3	1.8
10°-20°	193.2	5.5
20°-30°	310.8	8.8
30°-40°	411.8	11.6
40°-50°	520.0	14.7
50°-60°	623.1	17.6
60°-70°	681.3	19.3
70°-80°	545.4	15.4
80°-90°	184.5	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°	3535.4	100.0
0°-180°	3535.4	100.0

Coefficient of Utilization



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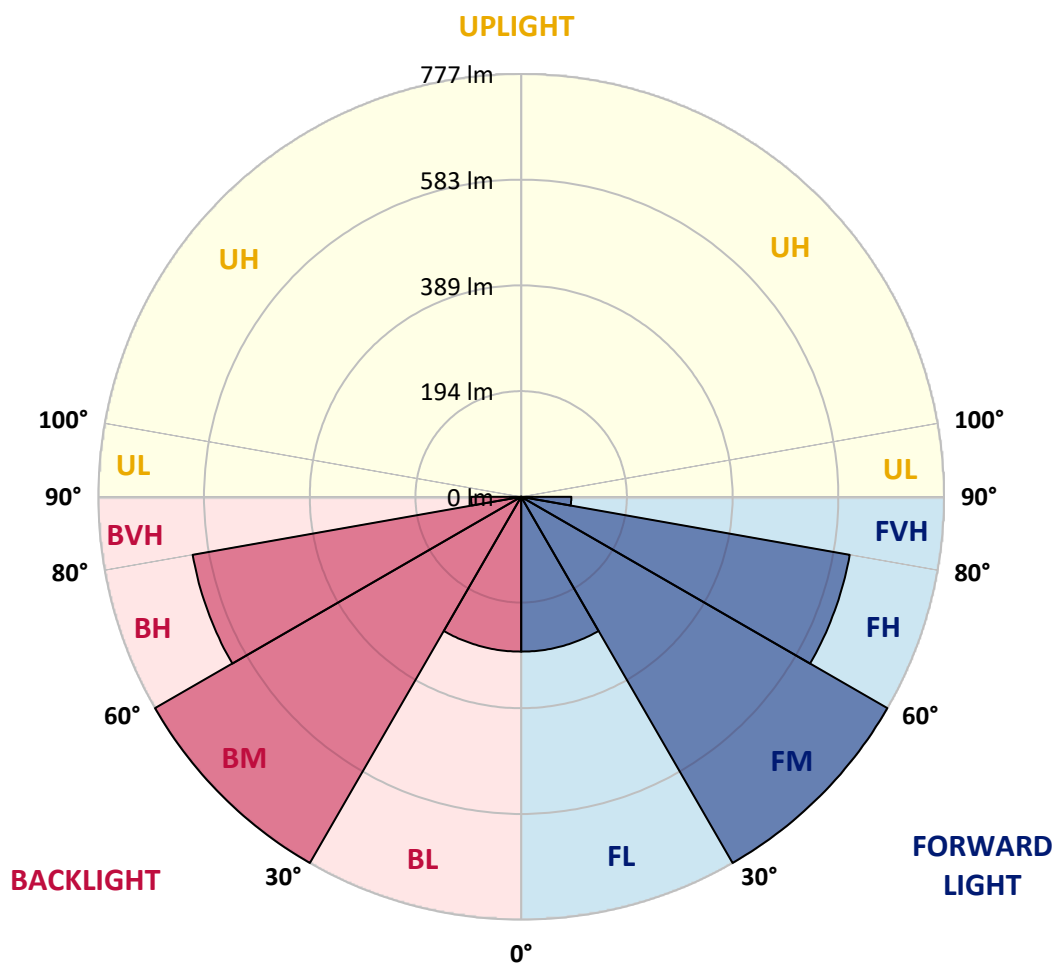
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	284.7	8.1			
FM	(30°-60°)	777.4	22.0			
FH	(60°-80°)	613.3	17.3			G0/660
FVH	(80°-90°)	92.3	2.6			G1/100
BL	(0°-30°)	284.7	8.1	B1/500		
BM	(30°-60°)	777.4	22.0	B1/1000		
BH	(60°-80°)	613.3	17.3	B2/1000		G0/660
BVH	(80°-90°)	92.3	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°	684.9	684.9	684.9	684.9	684.9	684.9	684.9	684.9	684.9	684.9	684.9
2.5°	685.6	684.9	685.6	685.6	685.6	685.6	685.6	685.6	685.6	685.6	685.6
5°	684.9	684.9	684.9	684.9	684.9	684.9	684.9	684.9	684.9	684.9	684.9
7.5°	684.3	684.3	684.3	684.3	684.3	684.3	684.3	684.3	684.9	684.3	684.9
10°	683.0	683.0	683.0	683.0	683.7	683.7	683.7	683.7	683.7	683.7	683.7
12.5°	681.7	681.7	681.7	681.7	682.3	682.3	682.3	682.3	683.0	683.0	682.3
15°	680.3	679.7	679.7	680.3	680.3	681.0	681.0	681.0	681.7	681.0	681.0
17.5°	679.0	678.3	679.0	679.7	679.7	680.3	681.0	681.0	681.7	681.7	681.7
20°	681.0	680.3	681.0	681.7	682.3	683.7	684.3	684.9	685.6	686.3	686.3
22.5°	677.1	676.4	677.1	677.1	677.7	678.3	679.7	680.3	681.0	681.0	681.0
25°	671.1	671.1	671.8	671.8	672.4	673.1	673.8	674.4	674.4	675.1	674.4
27.5°	664.5	664.5	665.2	665.2	666.5	666.5	667.2	667.9	668.5	668.5	668.5
30°	656.6	656.6	657.3	657.9	659.3	659.9	660.6	661.3	661.9	661.9	661.9
32.5°	649.4	648.7	649.4	650.7	652.7	654.0	655.3	656.0	656.0	656.0	656.6
35°	643.4	644.1	645.4	646.8	649.4	650.7	652.0	654.0	654.7	654.7	654.7
37.5°	644.8	645.4	647.5	650.0	653.4	657.3	659.9	662.6	664.5	663.8	663.2
40°	653.4	654.7	657.9	661.9	667.2	672.4	676.4	679.7	681.7	682.3	681.7
42.5°	654.7	656.0	658.6	664.5	670.5	676.4	681.7	684.9	687.6	688.3	687.6
45°	654.0	654.0	657.9	664.5	670.5	676.4	683.0	687.6	690.3	690.3	690.3
47.5°	649.4	651.4	654.0	660.6	668.5	674.4	681.0	685.6	688.9	690.9	688.9
50°	649.4	649.4	654.0	658.6	665.8	676.4	685.6	690.3	693.5	692.8	693.5
52.5°	648.1	652.0	654.7	661.3	674.4	684.9	692.2	698.8	703.4	704.1	702.7
55°	659.9	660.6	666.5	679.0	691.6	703.4	716.6	726.5	734.4	739.0	732.4
57.5°	669.2	665.8	677.7	688.3	702.7	720.5	740.3	748.2	754.1	752.8	754.8
60°	656.6	661.3	669.8	681.0	704.1	721.8	732.4	741.0	748.2	750.1	747.6
61°	650.7	658.6	662.6	677.7	702.1	715.2	726.5	738.3	751.5	756.1	750.1
62.5°	640.9	653.4	652.0	676.4	691.6	706.7	727.8	741.6	750.8	752.1	750.8
65°	641.5	639.5	654.7	672.4	687.6	714.6	732.4	741.0	746.2	748.9	747.6
67.5°	620.4	613.8	632.3	644.8	670.5	691.6	708.7	721.1	729.1	731.7	728.4
70°	571.7	576.3	589.5	608.6	629.6	655.3	671.1	687.6	694.2	694.8	694.8
72.5°	524.9	527.5	540.7	558.5	582.9	605.3	621.0	634.2	640.2	640.9	642.1
75°	463.0	465.6	480.8	497.3	521.6	540.7	551.9	567.7	576.3	583.6	577.6
77.5°	391.2	395.8	407.7	425.5	447.9	458.4	478.1	496.6	502.5	504.5	502.5
80°	310.2	316.1	326.6	350.4	360.3	377.4	396.5	404.4	409.7	411.0	411.7
82.5°	223.3	227.9	239.1	255.5	266.8	280.6	293.7	303.7	309.6	308.2	307.6
85°	131.8	133.0	144.9	156.1	164.7	173.2	183.7	191.0	192.3	195.0	194.3
87.5°	39.5	40.1	45.5	51.4	55.3	59.3	65.9	74.5	76.4	71.1	71.8
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°	684.9	684.9	684.9	684.9	684.9	684.9	684.9	684.9
2.5°	685.6	685.6	685.6	685.6	685.6	685.6	684.9	685.6
5°	684.9	684.9	684.9	684.9	684.9	684.9	684.9	684.9
7.5°	684.9	684.3	684.3	684.3	684.3	684.3	684.3	684.3
10°	683.7	683.7	683.7	683.7	683.0	683.0	683.0	683.0
12.5°	682.3	682.3	682.3	682.3	681.7	681.7	681.7	681.7
15°	681.0	681.0	681.0	681.0	680.3	680.3	680.3	680.3
17.5°	681.7	681.0	680.3	680.3	679.7	679.0	679.0	679.0
20°	685.6	684.9	683.7	682.3	681.7	681.0	681.0	681.0
22.5°	680.3	679.7	678.3	677.7	677.7	677.1	676.4	676.4
25°	674.4	673.1	673.1	672.4	672.4	671.1	671.1	670.5
27.5°	667.9	667.2	666.5	665.8	665.8	665.2	664.5	663.8
30°	661.9	660.6	659.3	658.6	657.9	657.3	657.3	657.3
32.5°	656.0	654.7	654.0	652.0	650.7	650.0	649.4	649.4
35°	654.0	652.0	650.7	648.7	646.8	645.4	644.8	643.4
37.5°	661.9	659.3	657.3	654.0	649.4	647.5	645.4	644.8
40°	679.0	676.4	672.4	667.2	661.9	657.9	654.7	653.4
42.5°	684.9	681.7	676.4	671.1	664.5	658.6	656.0	654.7
45°	686.9	683.7	676.4	669.8	663.8	658.6	654.7	653.4
47.5°	684.9	680.3	673.8	668.5	659.9	653.4	650.7	648.7
50°	689.6	685.6	677.1	665.2	657.9	654.0	649.4	648.7
52.5°	698.8	691.6	683.7	675.1	661.3	653.4	650.7	647.5
55°	726.5	716.6	702.7	688.9	680.3	667.9	659.9	659.9
57.5°	747.6	739.6	721.8	703.4	687.6	678.3	666.5	667.2
60°	741.6	731.1	722.5	704.1	681.7	669.2	664.5	656.0
61°	741.0	726.5	714.6	700.1	681.0	661.3	659.9	648.7
62.5°	742.2	729.1	706.7	691.6	677.1	651.4	650.7	640.2
65°	741.0	728.4	717.2	688.9	669.2	658.6	636.2	644.8
67.5°	720.5	709.3	688.9	673.1	642.8	629.6	617.1	617.1
70°	688.3	671.8	652.0	632.3	611.9	589.5	578.2	571.7
72.5°	634.2	620.4	604.6	583.6	558.5	538.1	527.5	522.9
75°	566.4	551.3	537.4	521.6	495.3	478.1	467.0	463.6
77.5°	495.3	482.1	457.7	442.6	424.8	405.0	395.2	391.2
80°	404.4	397.2	380.0	355.6	347.1	322.7	316.1	310.2
82.5°	303.7	295.7	279.9	262.8	252.3	238.4	226.5	225.3
85°	191.0	185.7	175.8	163.3	150.2	142.2	131.8	134.3
87.5°	71.1	67.8	61.9	54.0	48.0	42.8	37.6	39.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)