

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: P197683

Luminaire Tested: **TT-C2-LED-E1-MQ-CG-MS/DIM-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197683
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-7050
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
MEDIUM DISTRIBUTION WITH CLEAR GLASS LENS AND DIMMING OCCUPANCY SENSOR
Light Source: (168) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3913.2 lumens
Efficiency: N/A
Efficacy: 115.1 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

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

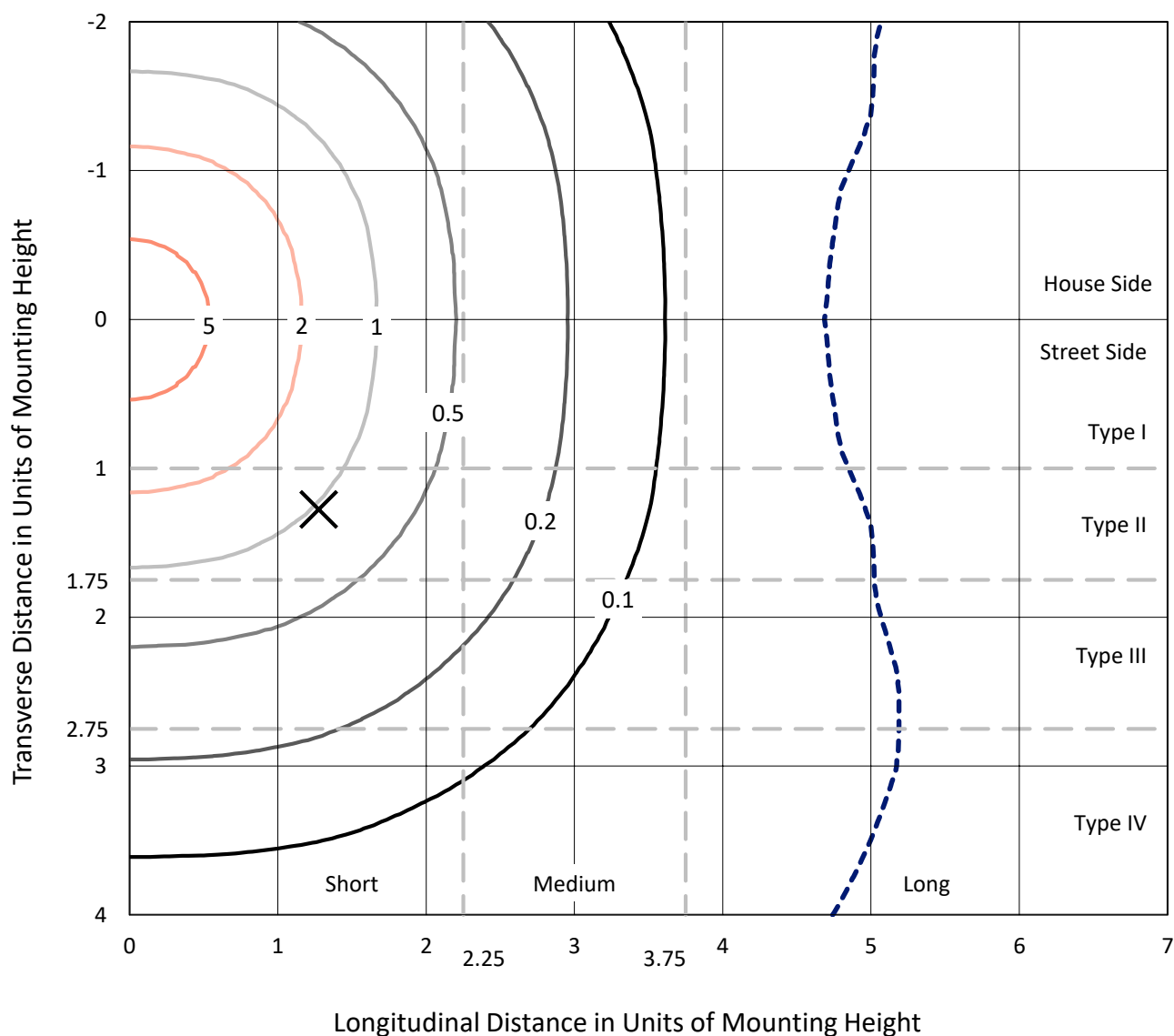


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

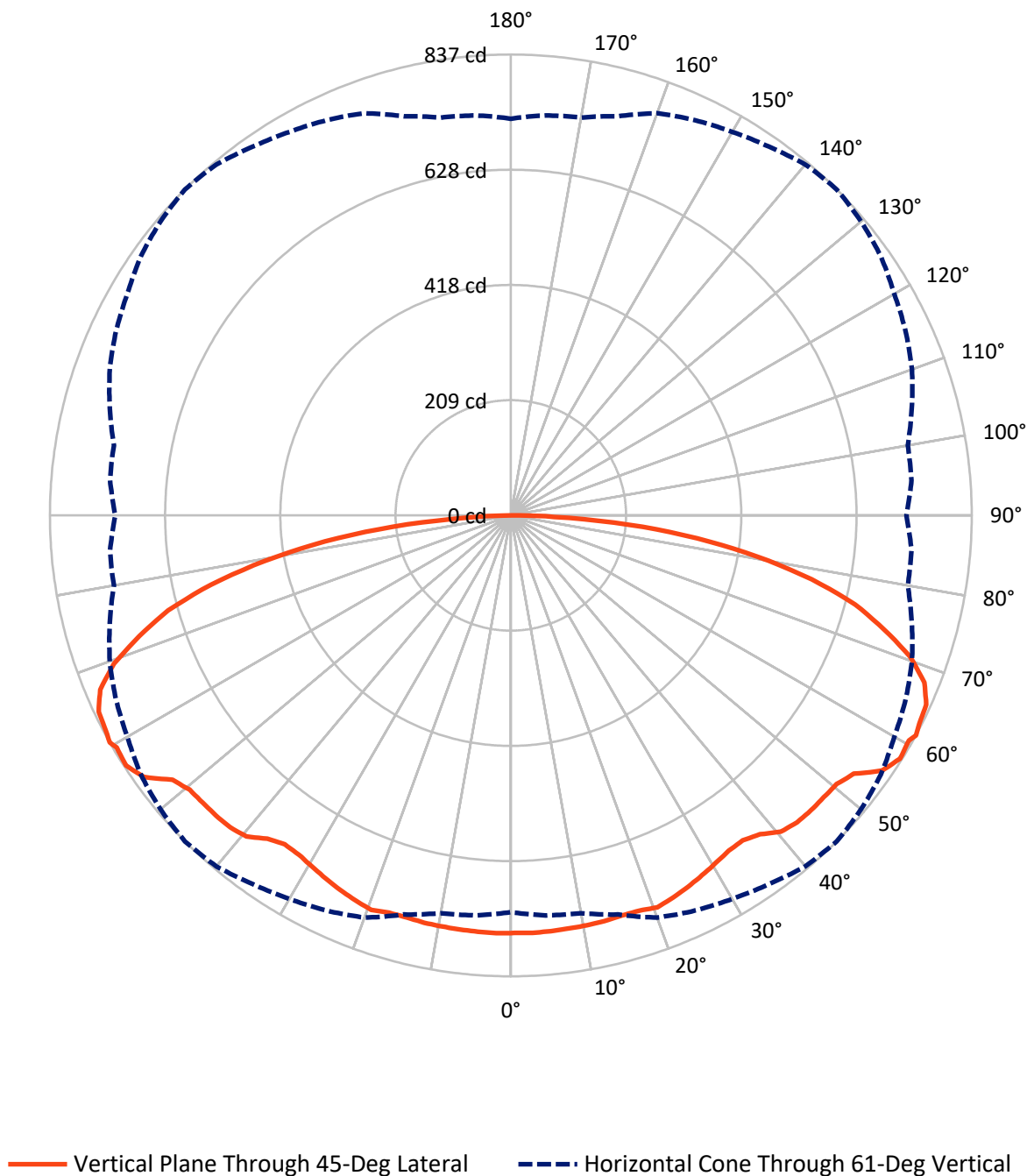


Based on 10 foot mounting height. Maximum calculated value = 7.6 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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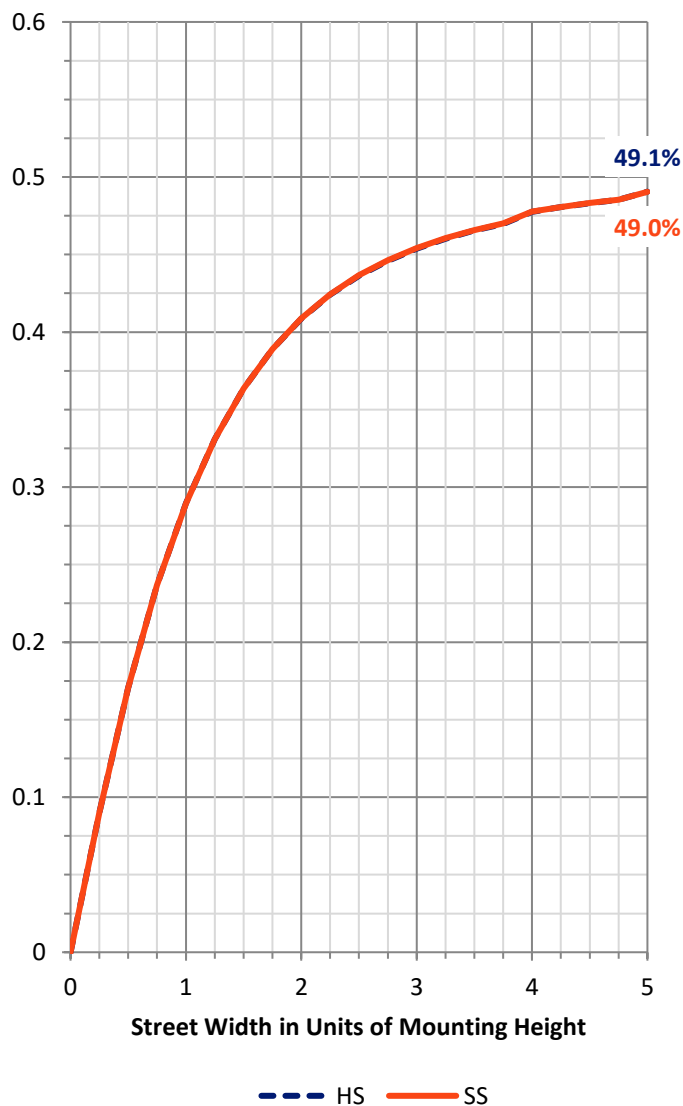
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1956.6	0.0	1956.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1956.6	0.0	1956.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	3913.2	0.0	3913.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.3	1.8
10°-20°	213.8	5.5
20°-30°	344.1	8.8
30°-40°	455.8	11.6
40°-50°	575.6	14.7
50°-60°	689.7	17.6
60°-70°	754.1	19.3
70°-80°	603.7	15.4
80°-90°	204.2	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°	3913.2	100.0
0°-180°	3913.2	100.0

Coefficient of Utilization



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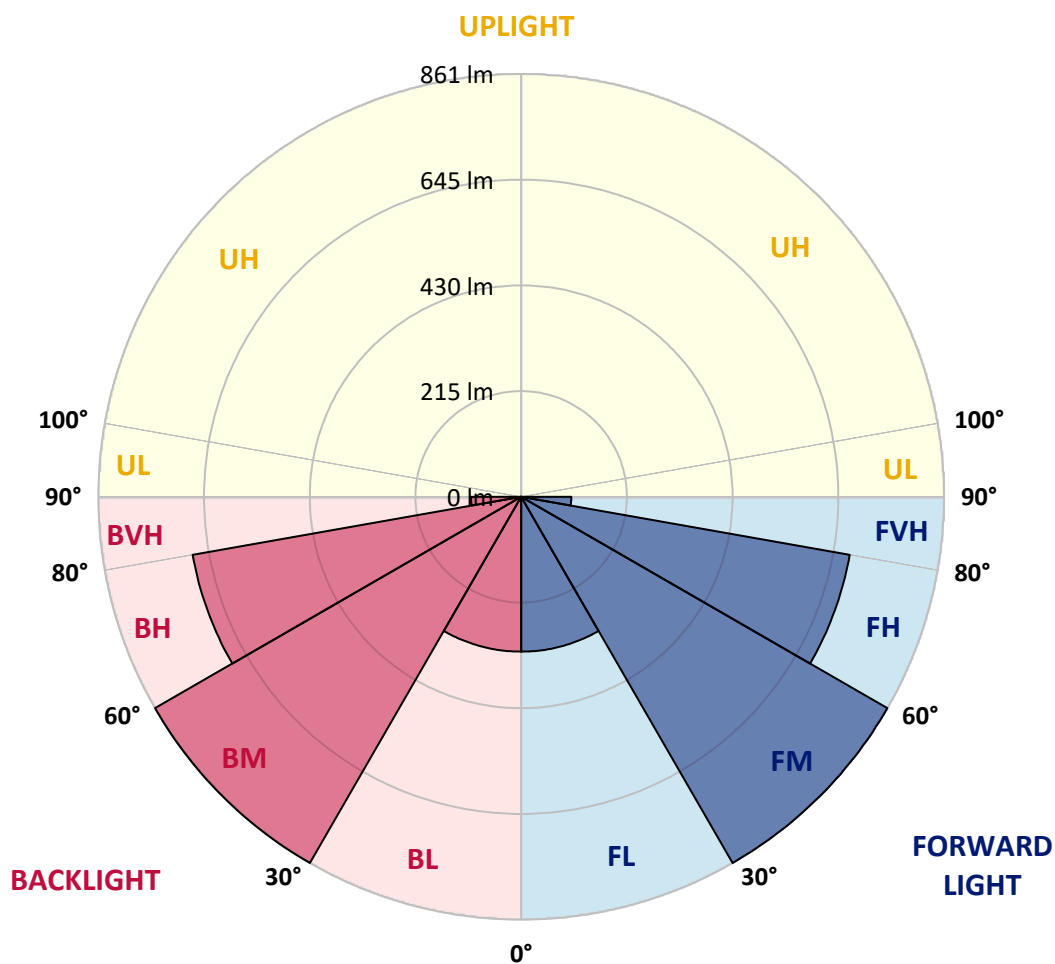
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	315.1	8.1			
FM	(30°-60°)	860.5	22.0			
FH	(60°-80°)	678.9	17.3			G1/1800
FVH	(80°-90°)	102.1	2.6			G2/225
BL	(0°-30°)	315.1	8.1	B1/500		
BM	(30°-60°)	860.5	22.0	B1/1000		
BH	(60°-80°)	678.9	17.3	B2/1000		G1/1800
BVH	(80°-90°)	102.1	2.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	758.2	758.2	758.2	758.2	758.2	758.2	758.2	758.2	758.2	758.2	758.2
2.5°	758.9	758.2	758.9	758.9	758.9	758.9	758.9	758.9	758.9	758.9	758.9
5°	758.2	758.2	758.2	758.2	758.2	758.2	758.2	758.2	758.2	758.2	758.2
7.5°	757.4	757.4	757.4	757.4	757.4	757.4	757.4	757.4	758.2	757.4	758.2
10°	756.0	756.0	756.0	756.0	756.7	756.7	756.7	756.7	756.7	756.7	756.7
12.5°	754.5	754.5	754.5	754.5	755.2	755.2	755.2	755.2	756.0	756.0	755.2
15°	753.0	752.4	752.4	753.0	753.0	753.8	753.8	753.8	754.5	753.8	753.8
17.5°	751.6	750.8	751.6	752.4	752.4	753.0	753.8	753.8	754.5	754.5	754.5
20°	753.8	753.0	753.8	754.5	755.2	756.7	757.4	758.2	758.9	759.7	759.7
22.5°	749.4	748.7	749.4	749.4	750.2	750.8	752.4	753.0	753.8	753.8	753.8
25°	742.9	742.9	743.6	743.6	744.3	745.0	745.8	746.5	746.5	747.2	746.5
27.5°	735.6	735.6	736.3	736.3	737.7	737.7	738.5	739.3	739.9	739.9	739.9
30°	726.8	726.8	727.6	728.2	729.8	730.4	731.2	731.9	732.6	732.6	732.6
32.5°	718.8	718.1	718.8	720.3	722.5	723.9	725.4	726.1	726.1	726.1	726.8
35°	712.2	713.0	714.4	715.9	718.8	720.3	721.7	723.9	724.6	724.6	724.6
37.5°	713.7	714.4	716.7	719.5	723.2	727.6	730.4	733.4	735.6	734.8	734.1
40°	723.2	724.6	728.2	732.6	738.5	744.3	748.7	752.4	754.5	755.2	754.5
42.5°	724.6	726.1	729.0	735.6	742.1	748.7	754.5	758.2	761.1	761.9	761.1
45°	723.9	723.9	728.2	735.6	742.1	748.7	756.0	761.1	764.0	764.0	764.0
47.5°	718.8	721.0	723.9	731.2	739.9	746.5	753.8	758.9	762.5	764.7	762.5
50°	718.8	718.8	723.9	729.0	737.0	748.7	758.9	764.0	767.6	766.9	767.6
52.5°	717.3	721.7	724.6	731.9	746.5	758.2	766.2	773.4	778.6	779.3	777.8
55°	730.4	731.2	737.7	751.6	765.5	778.6	793.2	804.1	812.8	818.0	810.7
57.5°	740.7	737.0	750.2	761.9	777.8	797.6	819.4	828.1	834.7	833.3	835.4
60°	726.8	731.9	741.4	753.8	779.3	799.0	810.7	820.2	828.1	830.3	827.5
61°	720.3	729.0	733.4	750.2	777.1	791.7	804.1	817.2	831.8	836.9	830.3
62.5°	709.3	723.2	721.7	748.7	765.5	782.3	805.5	820.8	831.1	832.5	831.1
65°	710.0	707.8	724.6	744.3	761.1	791.0	810.7	820.2	825.9	828.9	827.5
67.5°	686.7	679.4	699.9	713.7	742.1	765.5	784.4	798.2	807.0	809.9	806.3
70°	632.8	637.9	652.5	673.6	696.9	725.4	742.9	761.1	768.4	769.1	769.1
72.5°	581.0	583.9	598.5	618.2	645.2	669.9	687.4	702.0	708.6	709.3	710.8
75°	512.5	515.4	532.2	550.4	577.4	598.5	610.9	628.4	637.9	645.9	639.4
77.5°	433.1	438.1	451.3	470.9	495.7	507.4	529.2	549.7	556.2	558.4	556.2
80°	343.3	349.9	361.6	387.9	398.8	417.8	438.8	447.6	453.5	454.9	455.6
82.5°	247.1	252.3	264.6	282.8	295.3	310.6	325.1	336.1	342.7	341.1	340.5
85°	145.8	147.3	160.4	172.8	182.3	191.7	203.4	211.4	212.9	215.8	215.1
87.5°	43.8	44.4	50.3	56.9	61.2	65.6	72.9	82.4	84.6	78.7	79.5
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°	758.2	758.2	758.2	758.2	758.2	758.2	758.2	758.2
2.5°	758.9	758.9	758.9	758.9	758.9	758.9	758.2	758.9
5°	758.2	758.2	758.2	758.2	758.2	758.2	758.2	758.2
7.5°	758.2	757.4	757.4	757.4	757.4	757.4	757.4	757.4
10°	756.7	756.7	756.7	756.7	756.0	756.0	756.0	756.0
12.5°	755.2	755.2	755.2	755.2	754.5	754.5	754.5	754.5
15°	753.8	753.8	753.8	753.8	753.0	753.0	753.0	753.0
17.5°	754.5	753.8	753.0	753.0	752.4	751.6	751.6	751.6
20°	758.9	758.2	756.7	755.2	754.5	753.8	753.8	753.8
22.5°	753.0	752.4	750.8	750.2	750.2	749.4	748.7	748.7
25°	746.5	745.0	745.0	744.3	744.3	742.9	742.9	742.1
27.5°	739.3	738.5	737.7	737.0	737.0	736.3	735.6	734.8
30°	732.6	731.2	729.8	729.0	728.2	727.6	727.6	727.6
32.5°	726.1	724.6	723.9	721.7	720.3	719.5	718.8	718.8
35°	723.9	721.7	720.3	718.1	715.9	714.4	713.7	712.2
37.5°	732.6	729.8	727.6	723.9	718.8	716.7	714.4	713.7
40°	751.6	748.7	744.3	738.5	732.6	728.2	724.6	723.2
42.5°	758.2	754.5	748.7	742.9	735.6	729.0	726.1	724.6
45°	760.3	756.7	748.7	741.4	734.8	729.0	724.6	723.2
47.5°	758.2	753.0	745.8	739.9	730.4	723.2	720.3	718.1
50°	763.3	758.9	749.4	736.3	728.2	723.9	718.8	718.1
52.5°	773.4	765.5	756.7	747.2	731.9	723.2	720.3	716.7
55°	804.1	793.2	777.8	762.5	753.0	739.3	730.4	730.4
57.5°	827.5	818.6	799.0	778.6	761.1	750.8	737.7	738.5
60°	820.8	809.2	799.7	779.3	754.5	740.7	735.6	726.1
61°	820.2	804.1	791.0	775.0	753.8	731.9	730.4	718.1
62.5°	821.6	807.0	782.3	765.5	749.4	721.0	720.3	708.6
65°	820.2	806.3	793.9	762.5	740.7	729.0	704.2	713.7
67.5°	797.6	785.1	762.5	745.0	711.5	696.9	683.1	683.1
70°	761.9	743.6	721.7	699.9	677.3	652.5	640.0	632.8
72.5°	702.0	686.7	669.2	645.9	618.2	595.6	583.9	578.8
75°	626.9	610.2	594.8	577.4	548.2	529.2	516.9	513.2
77.5°	548.2	533.6	506.6	489.9	470.2	448.3	437.4	433.1
80°	447.6	439.6	420.6	393.7	384.2	357.2	349.9	343.3
82.5°	336.1	327.3	309.8	290.9	279.2	263.9	250.8	249.3
85°	211.4	205.6	194.6	180.8	166.2	157.4	145.8	148.7
87.5°	78.7	75.1	68.5	59.8	53.2	47.4	41.6	43.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)