

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: P197684

Luminaire Tested: **TT-C2-LED-E1-MQ-CG-MS/DIM-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197684
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-7060
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
MEDIUM DISTRIBUTION WITH CLEAR GLASS LENS AND DIMMING OCCUPANCY SENSOR
Light Source: (168) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3824.5 lumens
Efficiency: N/A
Efficacy: 112.5 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



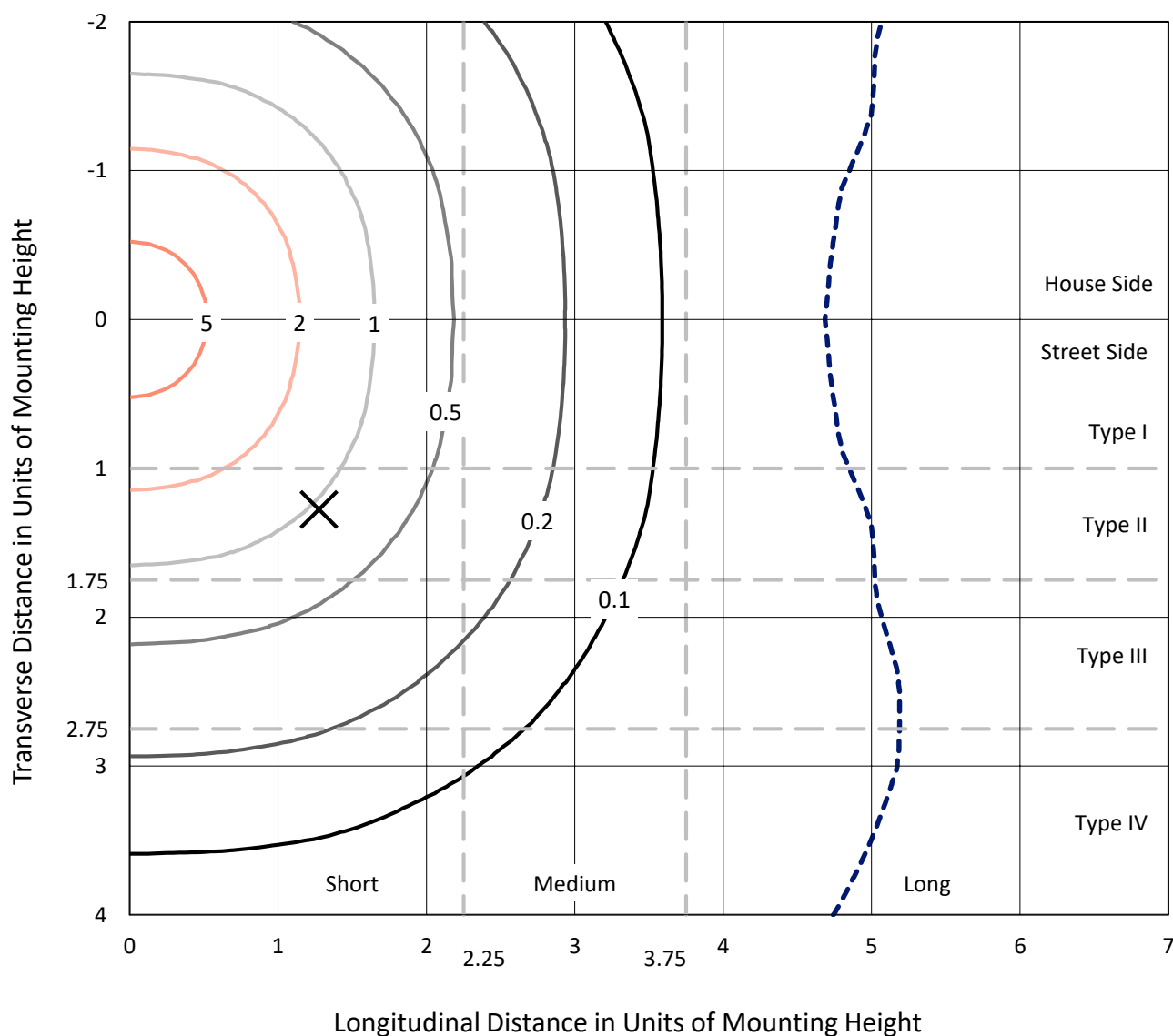
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

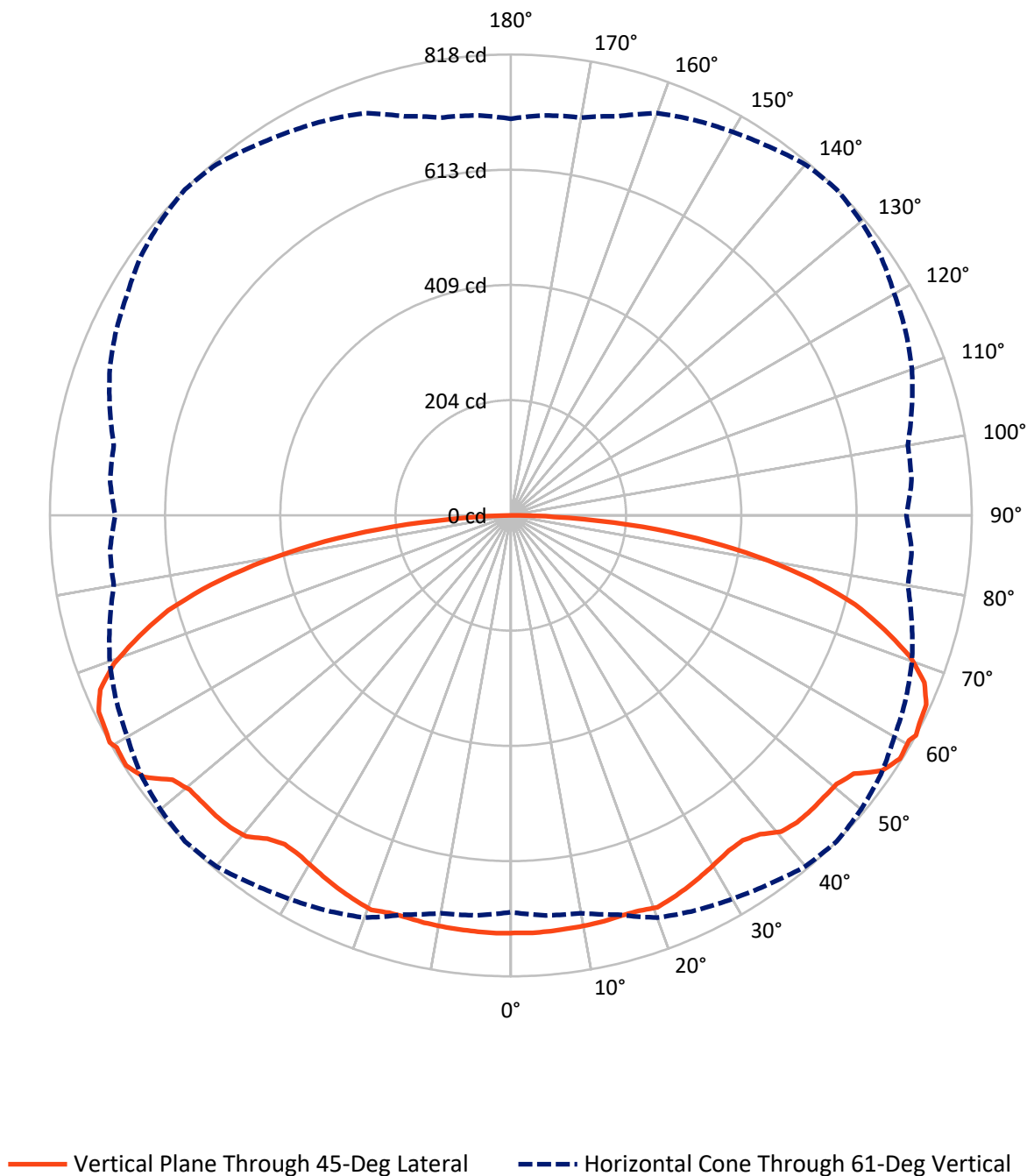


Based on 10 foot mounting height. Maximum calculated value = 7.4 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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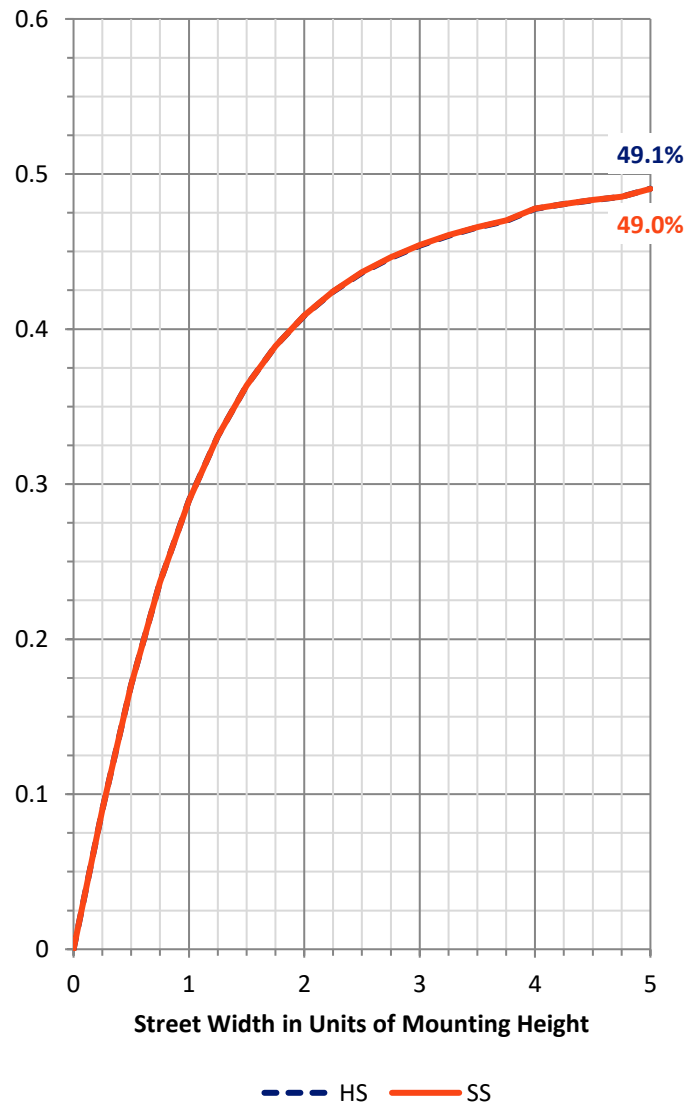
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1912.2	0.0	1912.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1912.2	0.0	1912.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	3824.5	0.0	3824.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.7	1.8
10°-20°	209.0	5.5
20°-30°	336.3	8.8
30°-40°	445.4	11.6
40°-50°	562.5	14.7
50°-60°	674.0	17.6
60°-70°	737.0	19.3
70°-80°	590.0	15.4
80°-90°	199.6	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°	3824.5	100.0
0°-180°	3824.5	100.0

Coefficient of Utilization



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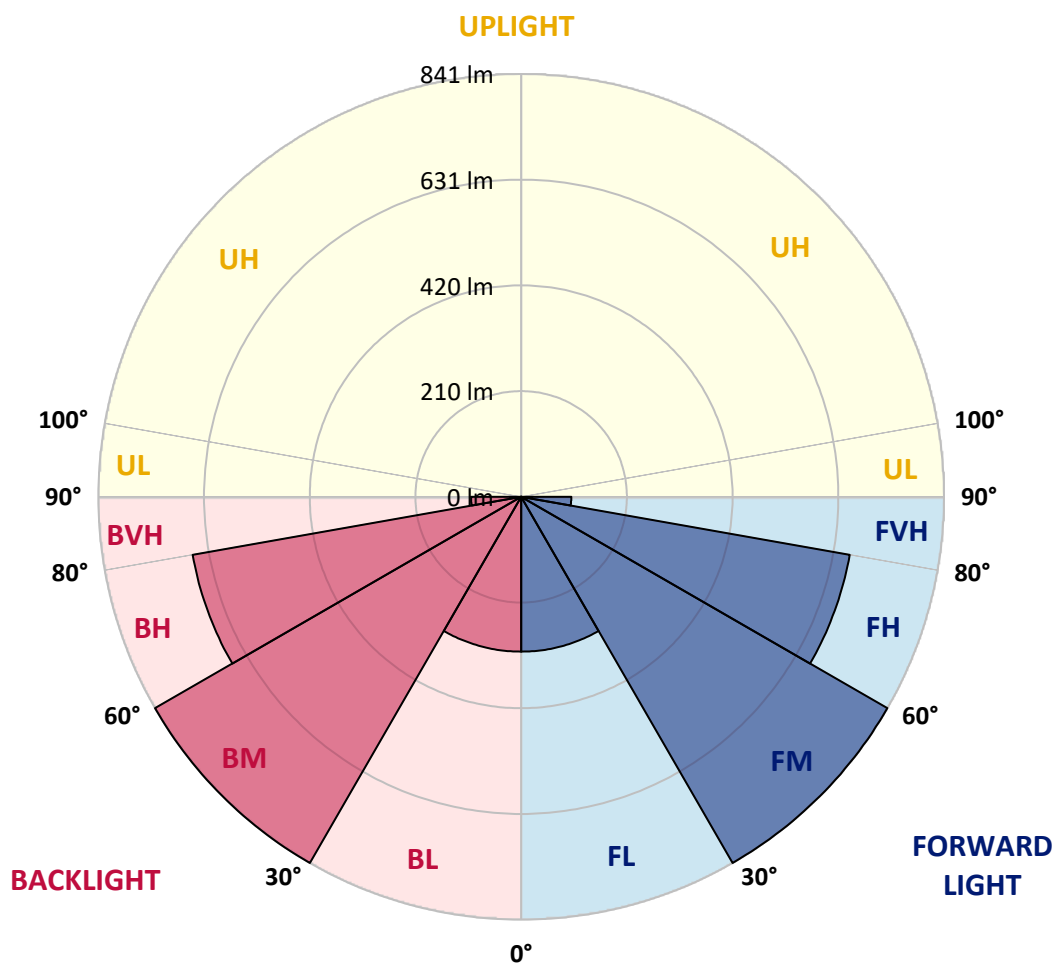
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	308.0	8.1			
FM	(30°-60°)	841.0	22.0			
FH	(60°-80°)	663.5	17.3			G1/1800
FVH	(80°-90°)	99.8	2.6			G1/100
BL	(0°-30°)	308.0	8.1	B1/500		
BM	(30°-60°)	841.0	22.0	B1/1000		
BH	(60°-80°)	663.5	17.3	B2/1000		G1/1800
BVH	(80°-90°)	99.8	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°	741.0	741.0	741.0	741.0	741.0	741.0	741.0	741.0	741.0	741.0	741.0
2.5°	741.7	741.0	741.7	741.7	741.7	741.7	741.7	741.7	741.7	741.7	741.7
5°	741.0	741.0	741.0	741.0	741.0	741.0	741.0	741.0	741.0	741.0	741.0
7.5°	740.2	740.2	740.2	740.2	740.2	740.2	740.2	740.2	741.0	740.2	741.0
10°	738.8	738.8	738.8	738.8	739.6	739.6	739.6	739.6	739.6	739.6	739.6
12.5°	737.4	737.4	737.4	737.4	738.1	738.1	738.1	738.1	738.8	738.8	738.1
15°	736.0	735.3	735.3	736.0	736.0	736.7	736.7	736.7	737.4	736.7	736.7
17.5°	734.6	733.8	734.6	735.3	735.3	736.0	736.7	736.7	737.4	737.4	737.4
20°	736.7	736.0	736.7	737.4	738.1	739.6	740.2	741.0	741.7	742.4	742.4
22.5°	732.4	731.7	732.4	732.4	733.2	733.8	735.3	736.0	736.7	736.7	736.7
25°	726.0	726.0	726.8	726.8	727.4	728.2	728.9	729.5	729.5	730.3	729.5
27.5°	718.9	718.9	719.6	719.6	721.0	721.0	721.7	722.5	723.1	723.1	723.1
30°	710.3	710.3	711.1	711.7	713.2	713.9	714.6	715.3	716.0	716.0	716.0
32.5°	702.5	701.8	702.5	703.9	706.1	707.5	708.9	709.6	709.6	709.6	710.3
35°	696.0	696.8	698.2	699.7	702.5	703.9	705.3	707.5	708.2	708.2	708.2
37.5°	697.5	698.2	700.4	703.2	706.8	711.1	713.9	716.7	718.9	718.1	717.5
40°	706.8	708.2	711.7	716.0	721.7	727.4	731.7	735.3	737.4	738.1	737.4
42.5°	708.2	709.6	712.5	718.9	725.3	731.7	737.4	741.0	743.8	744.6	743.8
45°	707.5	707.5	711.7	718.9	725.3	731.7	738.8	743.8	746.7	746.7	746.7
47.5°	702.5	704.7	707.5	714.6	723.1	729.5	736.7	741.7	745.2	747.4	745.2
50°	702.5	702.5	707.5	712.5	720.3	731.7	741.7	746.7	750.2	749.5	750.2
52.5°	701.1	705.3	708.2	715.3	729.5	741.0	748.8	755.9	760.9	761.6	760.2
55°	713.9	714.6	721.0	734.6	748.1	760.9	775.2	785.9	794.4	799.4	792.3
57.5°	723.9	720.3	733.2	744.6	760.2	779.5	800.8	809.3	815.8	814.4	816.5
60°	710.3	715.3	724.6	736.7	761.6	780.9	792.3	801.5	809.3	811.5	808.7
61°	703.9	712.5	716.7	733.2	759.5	773.7	785.9	798.7	813.0	817.9	811.5
62.5°	693.3	706.8	705.3	731.7	748.1	764.5	787.3	802.2	812.2	813.6	812.2
65°	693.9	691.8	708.2	727.4	743.8	773.1	792.3	801.5	807.2	810.1	808.7
67.5°	671.2	664.0	684.0	697.5	725.3	748.1	766.7	780.1	788.7	791.5	788.0
70°	618.5	623.4	637.7	658.4	681.1	708.9	726.0	743.8	751.0	751.6	751.6
72.5°	567.8	570.7	585.0	604.2	630.5	654.8	671.8	686.1	692.5	693.3	694.7
75°	500.9	503.7	520.1	537.9	564.3	585.0	597.0	614.1	623.4	631.3	624.9
77.5°	423.2	428.2	441.0	460.3	484.5	495.9	517.2	537.2	543.6	545.7	543.6
80°	335.5	341.9	353.4	379.1	389.7	408.3	428.9	437.4	443.2	444.6	445.3
82.5°	241.5	246.5	258.6	276.4	288.6	303.5	317.7	328.5	334.9	333.4	332.8
85°	142.5	143.9	156.7	168.9	178.2	187.4	198.8	206.6	208.0	210.9	210.2
87.5°	42.8	43.4	49.2	55.6	59.9	64.1	71.3	80.5	82.7	76.9	77.7
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°	741.0	741.0	741.0	741.0	741.0	741.0	741.0	741.0
2.5°	741.7	741.7	741.7	741.7	741.7	741.7	741.0	741.7
5°	741.0	741.0	741.0	741.0	741.0	741.0	741.0	741.0
7.5°	741.0	740.2	740.2	740.2	740.2	740.2	740.2	740.2
10°	739.6	739.6	739.6	739.6	738.8	738.8	738.8	738.8
12.5°	738.1	738.1	738.1	738.1	737.4	737.4	737.4	737.4
15°	736.7	736.7	736.7	736.7	736.0	736.0	736.0	736.0
17.5°	737.4	736.7	736.0	736.0	735.3	734.6	734.6	734.6
20°	741.7	741.0	739.6	738.1	737.4	736.7	736.7	736.7
22.5°	736.0	735.3	733.8	733.2	733.2	732.4	731.7	731.7
25°	729.5	728.2	728.2	727.4	727.4	726.0	726.0	725.3
27.5°	722.5	721.7	721.0	720.3	720.3	719.6	718.9	718.1
30°	716.0	714.6	713.2	712.5	711.7	711.1	711.1	711.1
32.5°	709.6	708.2	707.5	705.3	703.9	703.2	702.5	702.5
35°	707.5	705.3	703.9	701.8	699.7	698.2	697.5	696.0
37.5°	716.0	713.2	711.1	707.5	702.5	700.4	698.2	697.5
40°	734.6	731.7	727.4	721.7	716.0	711.7	708.2	706.8
42.5°	741.0	737.4	731.7	726.0	718.9	712.5	709.6	708.2
45°	743.1	739.6	731.7	724.6	718.1	712.5	708.2	706.8
47.5°	741.0	736.0	728.9	723.1	713.9	706.8	703.9	701.8
50°	746.0	741.7	732.4	719.6	711.7	707.5	702.5	701.8
52.5°	755.9	748.1	739.6	730.3	715.3	706.8	703.9	700.4
55°	785.9	775.2	760.2	745.2	736.0	722.5	713.9	713.9
57.5°	808.7	800.1	780.9	760.9	743.8	733.8	721.0	721.7
60°	802.2	790.9	781.6	761.6	737.4	723.9	718.9	709.6
61°	801.5	785.9	773.1	757.4	736.7	715.3	713.9	701.8
62.5°	802.9	788.7	764.5	748.1	732.4	704.7	703.9	692.5
65°	801.5	788.0	775.9	745.2	723.9	712.5	688.3	697.5
67.5°	779.5	767.3	745.2	728.2	695.4	681.1	667.6	667.6
70°	744.6	726.8	705.3	684.0	661.9	637.7	625.5	618.5
72.5°	686.1	671.2	654.0	631.3	604.2	582.1	570.7	565.7
75°	612.7	596.4	581.4	564.3	535.8	517.2	505.2	501.6
77.5°	535.8	521.5	495.1	478.8	459.5	438.2	427.5	423.2
80°	437.4	429.6	411.1	384.7	375.4	349.1	341.9	335.5
82.5°	328.5	319.9	302.8	284.3	272.9	257.9	245.1	243.7
85°	206.6	200.9	190.2	176.7	162.5	153.9	142.5	145.3
87.5°	76.9	73.4	67.0	58.5	52.0	46.3	40.6	42.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)