

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: P197680

Luminaire Tested: **TT-C1-LED-E1-MQ-CG-MS/DIM-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197680
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-C1-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: 3151.3 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): 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



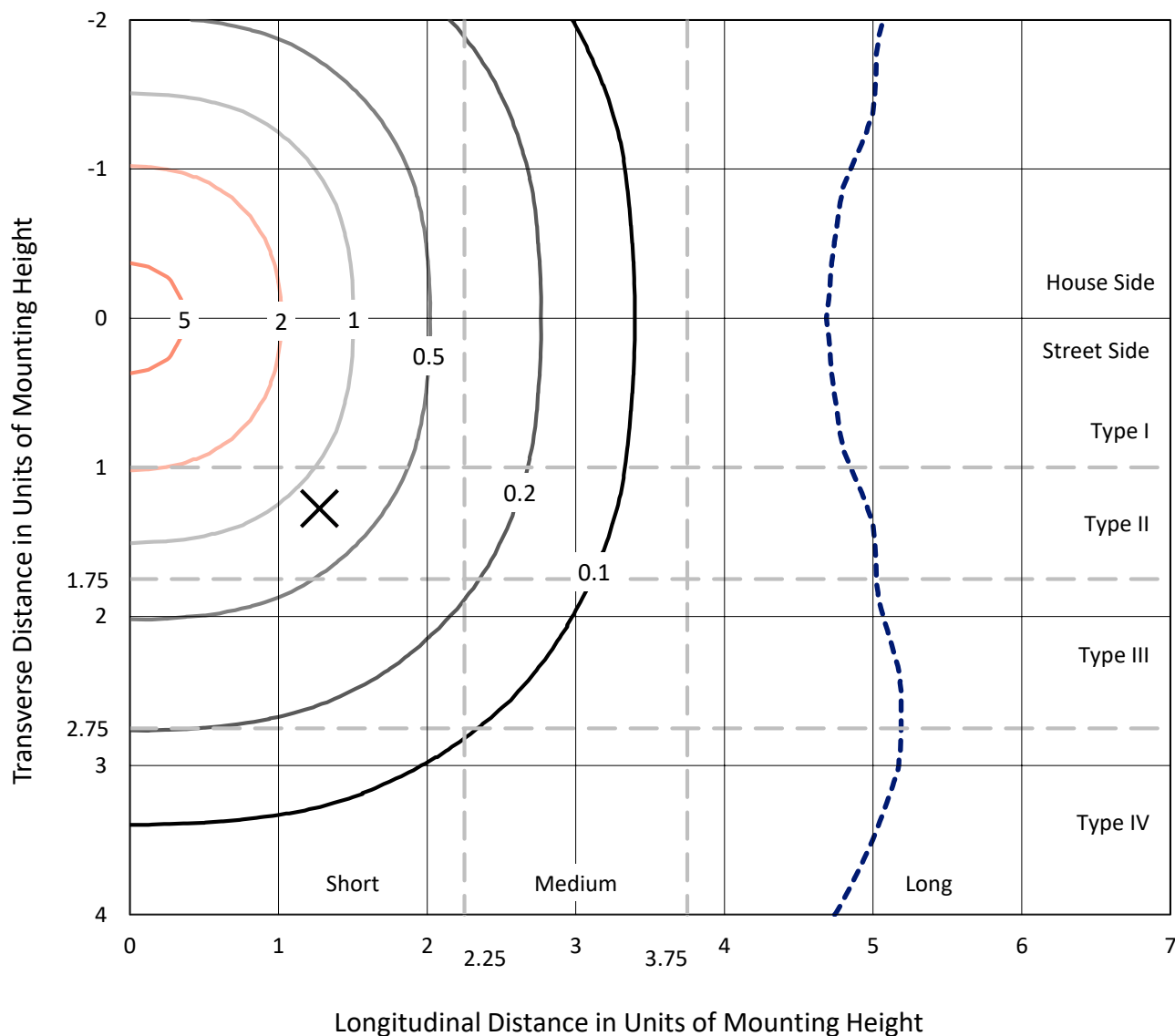
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

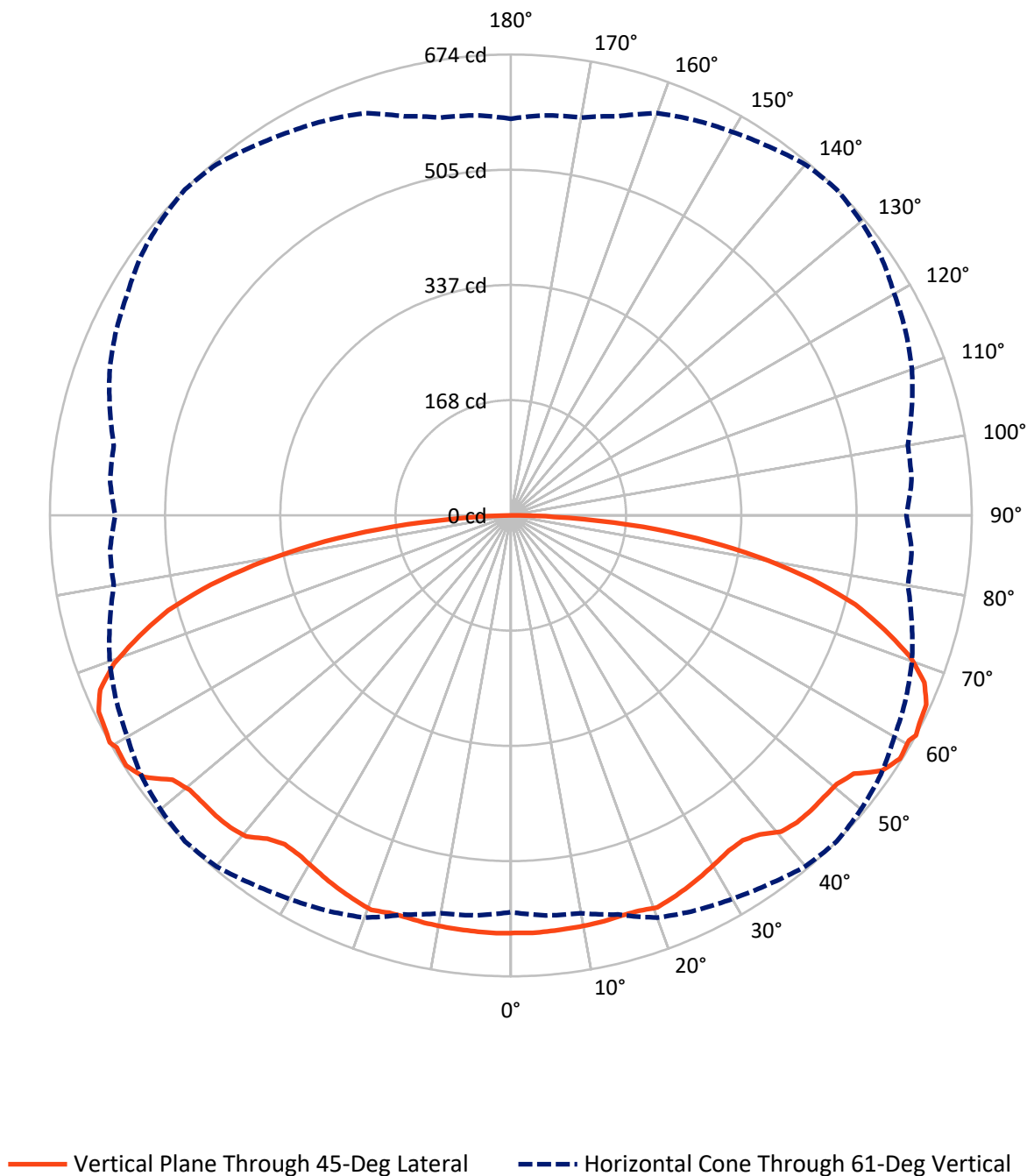


Based on 10 foot mounting height. Maximum calculated value = 6.1 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1575.6	0.0	1575.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1575.6	0.0	1575.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	3151.3	0.0	3151.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.2	1.8
10°-20°	172.2	5.5
20°-30°	277.1	8.8
30°-40°	367.0	11.6
40°-50°	463.5	14.7
50°-60°	555.4	17.6
60°-70°	607.3	19.3
70°-80°	486.1	15.4
80°-90°	164.5	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°	3151.3	100.0
0°-180°	3151.3	100.0

Coefficient of Utilization



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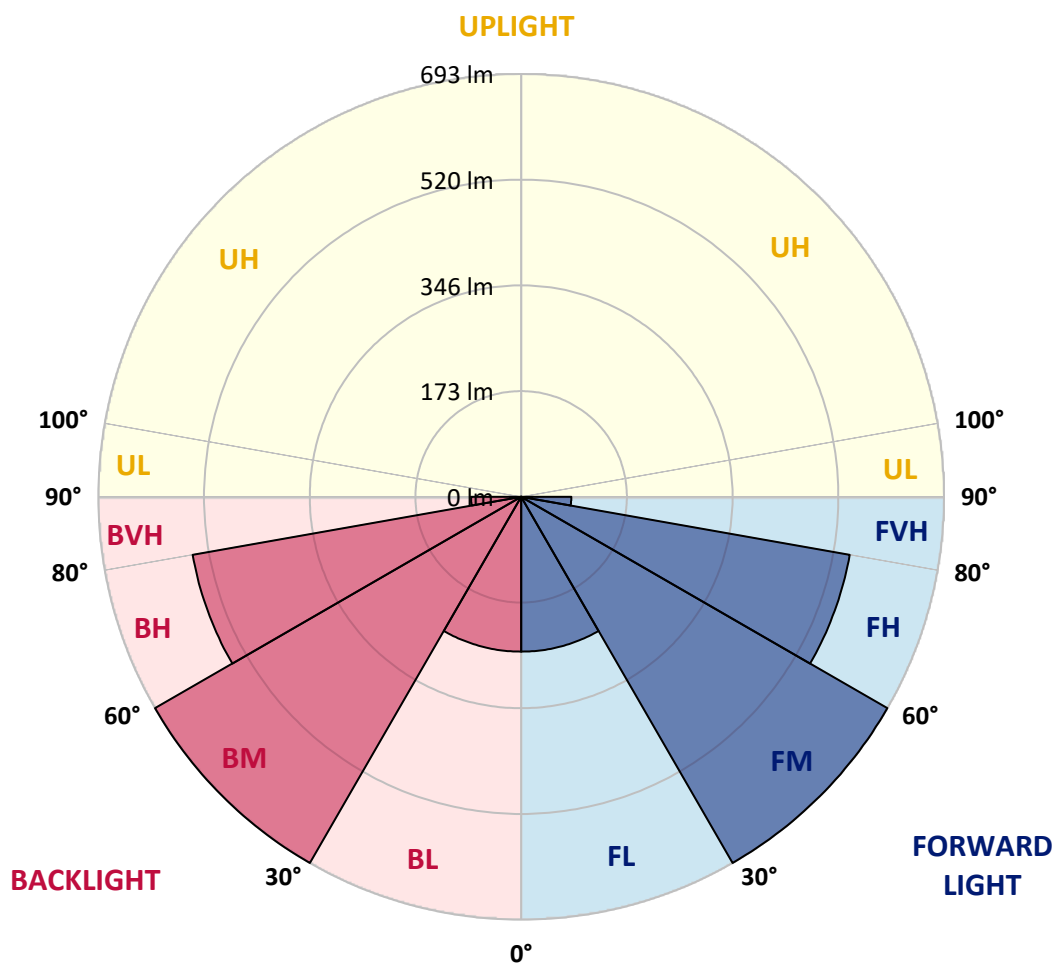
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	253.8	8.1			
FM	(30°-60°)	693.0	22.0			
FH	(60°-80°)	546.7	17.3			G0/660
FVH	(80°-90°)	82.2	2.6			G1/100
BL	(0°-30°)	253.8	8.1	B1/500		
BM	(30°-60°)	693.0	22.0	B1/1000		
BH	(60°-80°)	546.7	17.3	B2/1000		G0/660
BVH	(80°-90°)	82.2	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°	610.5	610.5	610.5	610.5	610.5	610.5	610.5	610.5	610.5	610.5	610.5
2.5°	611.1	610.5	611.1	611.1	611.1	611.1	611.1	611.1	611.1	611.1	611.1
5°	610.5	610.5	610.5	610.5	610.5	610.5	610.5	610.5	610.5	610.5	610.5
7.5°	609.9	609.9	609.9	609.9	609.9	609.9	609.9	609.9	610.5	609.9	610.5
10°	608.8	608.8	608.8	608.8	609.4	609.4	609.4	609.4	609.4	609.4	609.4
12.5°	607.6	607.6	607.6	607.6	608.2	608.2	608.2	608.2	608.8	608.8	608.2
15°	606.4	605.9	605.9	606.4	606.4	607.0	607.0	607.0	607.6	607.0	607.0
17.5°	605.3	604.6	605.3	605.9	605.9	606.4	607.0	607.0	607.6	607.6	607.6
20°	607.0	606.4	607.0	607.6	608.2	609.4	609.9	610.5	611.1	611.8	611.8
22.5°	603.5	602.9	603.5	603.5	604.1	604.6	605.9	606.4	607.0	607.0	607.0
25°	598.2	598.2	598.8	598.8	599.4	600.0	600.6	601.1	601.1	601.7	601.1
27.5°	592.3	592.3	592.9	592.9	594.1	594.1	594.7	595.3	595.9	595.9	595.9
30°	585.3	585.3	585.9	586.4	587.7	588.2	588.8	589.4	590.0	590.0	590.0
32.5°	578.9	578.3	578.9	580.0	581.8	582.9	584.1	584.7	584.7	584.7	585.3
35°	573.5	574.1	575.3	576.5	578.9	580.0	581.2	582.9	583.5	583.5	583.5
37.5°	574.7	575.3	577.1	579.4	582.4	585.9	588.2	590.6	592.3	591.7	591.2
40°	582.4	583.5	586.4	590.0	594.7	599.4	602.9	605.9	607.6	608.2	607.6
42.5°	583.5	584.7	587.1	592.3	597.6	602.9	607.6	610.5	612.9	613.5	612.9
45°	582.9	582.9	586.4	592.3	597.6	602.9	608.8	612.9	615.3	615.3	615.3
47.5°	578.9	580.6	582.9	588.8	595.9	601.1	607.0	611.1	614.1	615.8	614.1
50°	578.9	578.9	582.9	587.1	593.5	602.9	611.1	615.3	618.2	617.6	618.2
52.5°	577.7	581.2	583.5	589.4	601.1	610.5	617.0	622.8	627.0	627.6	626.4
55°	588.2	588.8	594.1	605.3	616.4	627.0	638.7	647.5	654.6	658.7	652.8
57.5°	596.5	593.5	604.1	613.5	626.4	642.3	659.8	666.9	672.2	671.0	672.8
60°	585.3	589.4	597.1	607.0	627.6	643.4	652.8	660.5	666.9	668.6	666.3
61°	580.0	587.1	590.6	604.1	625.8	637.5	647.5	658.1	669.9	673.9	668.6
62.5°	571.2	582.4	581.2	602.9	616.4	629.9	648.7	661.0	669.3	670.4	669.3
65°	571.8	570.0	583.5	599.4	612.9	637.0	652.8	660.5	665.1	667.5	666.3
67.5°	553.0	547.1	563.6	574.7	597.6	616.4	631.7	642.8	649.9	652.2	649.3
70°	509.6	513.7	525.4	542.5	561.2	584.1	598.2	612.9	618.8	619.3	619.3
72.5°	467.9	470.2	482.0	497.8	519.5	539.5	553.6	565.3	570.6	571.2	572.4
75°	412.7	415.0	428.6	443.2	465.0	482.0	491.9	506.0	513.7	520.2	514.9
77.5°	348.7	352.8	363.4	379.2	399.2	408.6	426.2	442.6	447.9	449.7	447.9
80°	276.5	281.8	291.2	312.3	321.1	336.4	353.4	360.4	365.2	366.3	366.9
82.5°	199.0	203.2	213.1	227.8	237.8	250.1	261.8	270.7	275.9	274.7	274.2
85°	117.4	118.6	129.1	139.2	146.8	154.4	163.8	170.3	171.4	173.8	173.2
87.5°	35.2	35.8	40.5	45.8	49.3	52.8	58.7	66.4	68.1	63.4	64.0
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°	610.5	610.5	610.5	610.5	610.5	610.5	610.5	610.5
2.5°	611.1	611.1	611.1	611.1	611.1	611.1	610.5	611.1
5°	610.5	610.5	610.5	610.5	610.5	610.5	610.5	610.5
7.5°	610.5	609.9	609.9	609.9	609.9	609.9	609.9	609.9
10°	609.4	609.4	609.4	609.4	608.8	608.8	608.8	608.8
12.5°	608.2	608.2	608.2	608.2	607.6	607.6	607.6	607.6
15°	607.0	607.0	607.0	607.0	606.4	606.4	606.4	606.4
17.5°	607.6	607.0	606.4	606.4	605.9	605.3	605.3	605.3
20°	611.1	610.5	609.4	608.2	607.6	607.0	607.0	607.0
22.5°	606.4	605.9	604.6	604.1	604.1	603.5	602.9	602.9
25°	601.1	600.0	600.0	599.4	599.4	598.2	598.2	597.6
27.5°	595.3	594.7	594.1	593.5	593.5	592.9	592.3	591.7
30°	590.0	588.8	587.7	587.1	586.4	585.9	585.9	585.9
32.5°	584.7	583.5	582.9	581.2	580.0	579.4	578.9	578.9
35°	582.9	581.2	580.0	578.3	576.5	575.3	574.7	573.5
37.5°	590.0	587.7	585.9	582.9	578.9	577.1	575.3	574.7
40°	605.3	602.9	599.4	594.7	590.0	586.4	583.5	582.4
42.5°	610.5	607.6	602.9	598.2	592.3	587.1	584.7	583.5
45°	612.3	609.4	602.9	597.1	591.7	587.1	583.5	582.4
47.5°	610.5	606.4	600.6	595.9	588.2	582.4	580.0	578.3
50°	614.7	611.1	603.5	592.9	586.4	582.9	578.9	578.3
52.5°	622.8	616.4	609.4	601.7	589.4	582.4	580.0	577.1
55°	647.5	638.7	626.4	614.1	606.4	595.3	588.2	588.2
57.5°	666.3	659.2	643.4	627.0	612.9	604.6	594.1	594.7
60°	661.0	651.7	644.0	627.6	607.6	596.5	592.3	584.7
61°	660.5	647.5	637.0	624.1	607.0	589.4	588.2	578.3
62.5°	661.6	649.9	629.9	616.4	603.5	580.6	580.0	570.6
65°	660.5	649.3	639.3	614.1	596.5	587.1	567.1	574.7
67.5°	642.3	632.2	614.1	600.0	573.0	561.2	550.1	550.1
70°	613.5	598.8	581.2	563.6	545.4	525.4	515.4	509.6
72.5°	565.3	553.0	538.9	520.2	497.8	479.6	470.2	466.1
75°	504.9	491.4	479.0	465.0	441.5	426.2	416.2	413.3
77.5°	441.5	429.7	408.0	394.5	378.6	361.0	352.2	348.7
80°	360.4	354.0	338.7	317.0	309.4	287.6	281.8	276.5
82.5°	270.7	263.6	249.5	234.3	224.9	212.5	201.9	200.8
85°	170.3	165.5	156.7	145.6	133.9	126.8	117.4	119.7
87.5°	63.4	60.5	55.2	48.2	42.8	38.2	33.5	35.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)