

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: P197611

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197611
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115333)
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-MS/DIM-7050
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
MEDIUM DISTRIBUTION WITH DIMMING OCCUPANCY SENSOR
Light Source: (168) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4408.7 lumens
Efficiency: N/A
Efficacy: 129.7 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

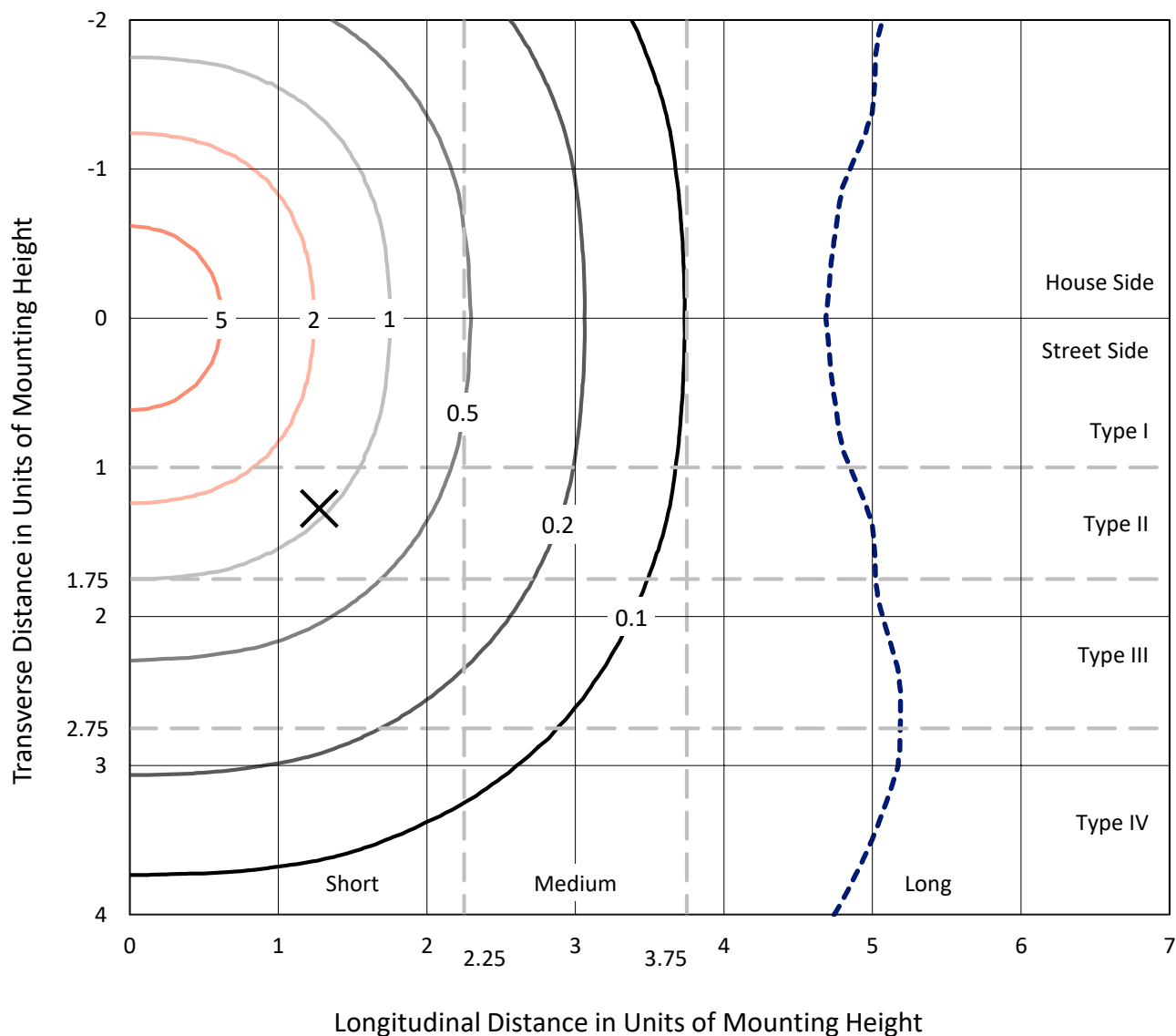


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

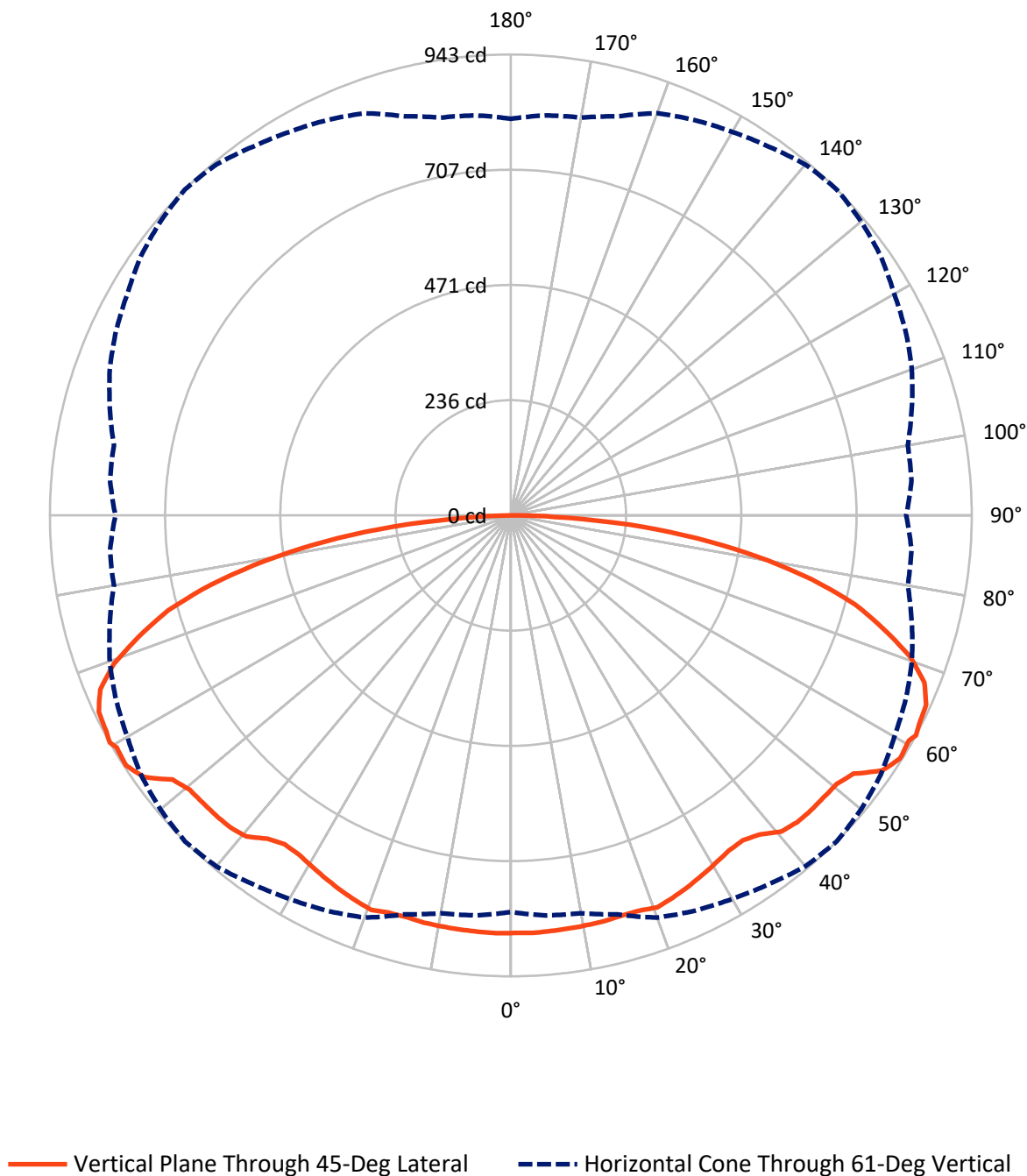


Based on 10 foot mounting height. Maximum calculated value = 8.5 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2204.3	0.0	2204.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2204.3	0.0	2204.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	4408.7	0.0	4408.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.5	1.8
10°-20°	240.9	5.5
20°-30°	387.6	8.8
30°-40°	513.5	11.6
40°-50°	648.5	14.7
50°-60°	777.0	17.6
60°-70°	849.6	19.3
70°-80°	680.1	15.4
80°-90°	230.1	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°	4408.7	100.0
0°-180°	4408.7	100.0

Coefficient of Utilization



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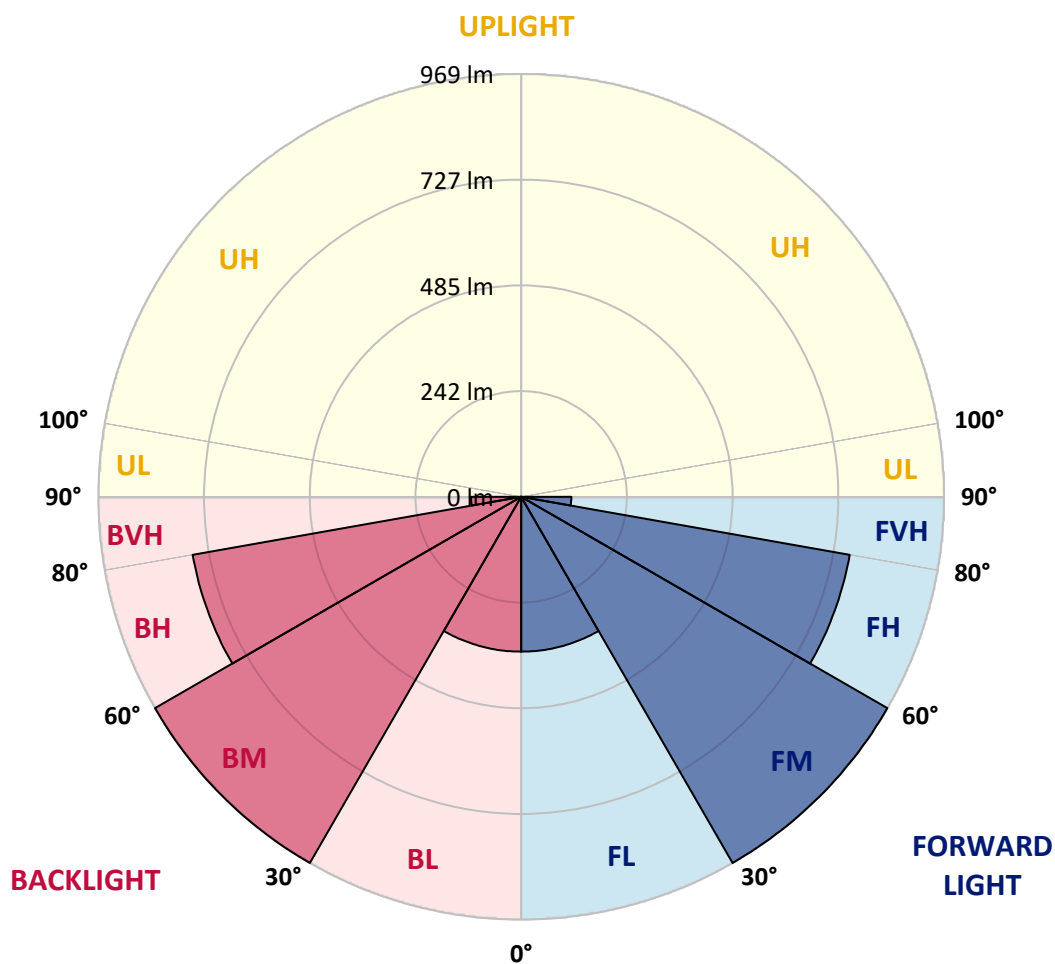
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	355.0	8.1			
FM	(30°-60°)	969.5	22.0			
FH	(60°-80°)	764.8	17.3			G1/1800
FVH	(80°-90°)	115.0	2.6			G2/225
BL	(0°-30°)	355.0	8.1	B1/500		
BM	(30°-60°)	969.5	22.0	B1/1000		
BH	(60°-80°)	764.8	17.3	B2/1000		G1/1800
BVH	(80°-90°)	115.0	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°	854.2	854.2	854.2	854.2	854.2	854.2	854.2	854.2	854.2	854.2	854.2
2.5°	855.0	854.2	855.0	855.0	855.0	855.0	855.0	855.0	855.0	855.0	855.0
5°	854.2	854.2	854.2	854.2	854.2	854.2	854.2	854.2	854.2	854.2	854.2
7.5°	853.3	853.3	853.3	853.3	853.3	853.3	853.3	853.3	854.2	853.3	854.2
10°	851.7	851.7	851.7	851.7	852.5	852.5	852.5	852.5	852.5	852.5	852.5
12.5°	850.1	850.1	850.1	850.1	850.9	850.9	850.9	850.9	851.7	851.7	850.9
15°	848.4	847.6	847.6	848.4	848.4	849.2	849.2	849.2	850.1	849.2	849.2
17.5°	846.8	845.9	846.8	847.6	847.6	848.4	849.2	849.2	850.1	850.1	850.1
20°	849.2	848.4	849.2	850.1	850.9	852.5	853.3	854.2	855.0	855.8	855.8
22.5°	844.3	843.5	844.3	844.3	845.1	845.9	847.6	848.4	849.2	849.2	849.2
25°	836.9	836.9	837.7	837.7	838.5	839.4	840.2	841.0	841.0	841.8	841.0
27.5°	828.7	828.7	829.6	829.6	831.2	831.2	832.0	832.8	833.6	833.6	833.6
30°	818.8	818.8	819.6	820.5	822.2	822.9	823.8	824.6	825.4	825.4	825.4
32.5°	809.8	809.0	809.8	811.4	813.9	815.5	817.2	818.0	818.0	818.0	818.8
35°	802.4	803.3	804.9	806.5	809.8	811.4	813.1	815.5	816.4	816.4	816.4
37.5°	804.0	804.9	807.4	810.7	814.8	819.6	822.9	826.2	828.7	827.9	827.0
40°	814.8	816.4	820.5	825.4	832.0	838.5	843.5	847.6	850.1	850.9	850.1
42.5°	816.4	818.0	821.3	828.7	836.1	843.5	850.1	854.2	857.4	858.3	857.4
45°	815.5	815.5	820.5	828.7	836.1	843.5	851.7	857.4	860.7	860.7	860.7
47.5°	809.8	812.3	815.5	823.8	833.6	841.0	849.2	855.0	859.0	861.6	859.0
50°	809.8	809.8	815.5	821.3	830.3	843.5	855.0	860.7	864.8	864.0	864.8
52.5°	808.1	813.1	816.4	824.6	841.0	854.2	863.2	871.4	877.2	877.9	876.3
55°	822.9	823.8	831.2	846.8	862.4	877.2	893.6	905.9	915.7	921.5	913.3
57.5°	834.4	830.3	845.1	858.3	876.3	898.5	923.1	933.0	940.4	938.8	941.2
60°	818.8	824.6	835.3	849.2	877.9	900.1	913.3	924.0	933.0	935.5	932.2
61°	811.4	821.3	826.2	845.1	875.5	892.0	905.9	920.7	937.1	942.9	935.5
62.5°	799.1	814.8	813.1	843.5	862.4	881.2	907.5	924.8	936.3	937.9	936.3
65°	800.0	797.5	816.4	838.5	857.4	891.1	913.3	924.0	930.5	933.8	932.2
67.5°	773.7	765.5	788.5	804.0	836.1	862.4	883.7	899.4	909.2	912.5	908.4
70°	712.9	718.7	735.0	758.9	785.2	817.2	836.9	857.4	865.7	866.4	866.4
72.5°	654.6	657.8	674.3	696.5	726.8	754.8	774.4	790.9	798.3	799.1	800.7
75°	577.4	580.6	599.5	620.0	650.5	674.3	688.3	708.0	718.7	727.7	720.3
77.5°	487.8	493.6	508.4	530.6	558.5	571.7	596.3	619.3	626.7	629.1	626.7
80°	386.8	394.2	407.3	436.9	449.3	470.6	494.5	504.3	510.8	512.5	513.3
82.5°	278.4	284.2	298.1	318.6	332.7	349.9	366.3	378.6	386.0	384.4	383.6
85°	164.2	165.9	180.7	194.6	205.3	216.0	229.2	238.2	239.8	243.1	242.3
87.5°	49.3	50.1	56.7	64.1	69.0	73.9	82.2	92.8	95.3	88.7	89.5
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°	854.2	854.2	854.2	854.2	854.2	854.2	854.2	854.2
2.5°	855.0	855.0	855.0	855.0	855.0	855.0	854.2	855.0
5°	854.2	854.2	854.2	854.2	854.2	854.2	854.2	854.2
7.5°	854.2	853.3	853.3	853.3	853.3	853.3	853.3	853.3
10°	852.5	852.5	852.5	852.5	851.7	851.7	851.7	851.7
12.5°	850.9	850.9	850.9	850.9	850.1	850.1	850.1	850.1
15°	849.2	849.2	849.2	849.2	848.4	848.4	848.4	848.4
17.5°	850.1	849.2	848.4	848.4	847.6	846.8	846.8	846.8
20°	855.0	854.2	852.5	850.9	850.1	849.2	849.2	849.2
22.5°	848.4	847.6	845.9	845.1	845.1	844.3	843.5	843.5
25°	841.0	839.4	839.4	838.5	838.5	836.9	836.9	836.1
27.5°	832.8	832.0	831.2	830.3	830.3	829.6	828.7	827.9
30°	825.4	823.8	822.2	821.3	820.5	819.6	819.6	819.6
32.5°	818.0	816.4	815.5	813.1	811.4	810.7	809.8	809.8
35°	815.5	813.1	811.4	809.0	806.5	804.9	804.0	802.4
37.5°	825.4	822.2	819.6	815.5	809.8	807.4	804.9	804.0
40°	846.8	843.5	838.5	832.0	825.4	820.5	816.4	814.8
42.5°	854.2	850.1	843.5	836.9	828.7	821.3	818.0	816.4
45°	856.6	852.5	843.5	835.3	827.9	821.3	816.4	814.8
47.5°	854.2	848.4	840.2	833.6	822.9	814.8	811.4	809.0
50°	859.9	855.0	844.3	829.6	820.5	815.5	809.8	809.0
52.5°	871.4	862.4	852.5	841.8	824.6	814.8	811.4	807.4
55°	905.9	893.6	876.3	859.0	848.4	832.8	822.9	822.9
57.5°	932.2	922.3	900.1	877.2	857.4	845.9	831.2	832.0
60°	924.8	911.6	901.0	877.9	850.1	834.4	828.7	818.0
61°	924.0	905.9	891.1	873.1	849.2	824.6	822.9	809.0
62.5°	925.6	909.2	881.2	862.4	844.3	812.3	811.4	798.3
65°	924.0	908.4	894.4	859.0	834.4	821.3	793.3	804.0
67.5°	898.5	884.6	859.0	839.4	801.6	785.2	769.6	769.6
70°	858.3	837.7	813.1	788.5	763.0	735.0	721.1	712.9
72.5°	790.9	773.7	754.0	727.7	696.5	671.0	657.8	652.1
75°	706.3	687.4	670.2	650.5	617.6	596.3	582.3	578.2
77.5°	617.6	601.2	570.8	551.9	529.7	505.1	492.8	487.8
80°	504.3	495.2	473.9	443.5	432.8	402.5	394.2	386.8
82.5°	378.6	368.8	349.0	327.7	314.6	297.3	282.5	280.9
85°	238.2	231.6	219.3	203.7	187.2	177.4	164.2	167.5
87.5°	88.7	84.6	77.2	67.4	60.0	53.3	46.8	49.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)