

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: P197613

Luminaire Tested: **TT-C3-LED-E1-MQ-MS/DIM-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197613
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-C3-LED-E1-MQ-MS/DIM-8030
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
MEDIUM DISTRIBUTION WITH DIMMING OCCUPANCY SENSOR
Light Source: (168) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5237.1 lumens
Efficiency: N/A
Efficacy: 116.4 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): 45
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



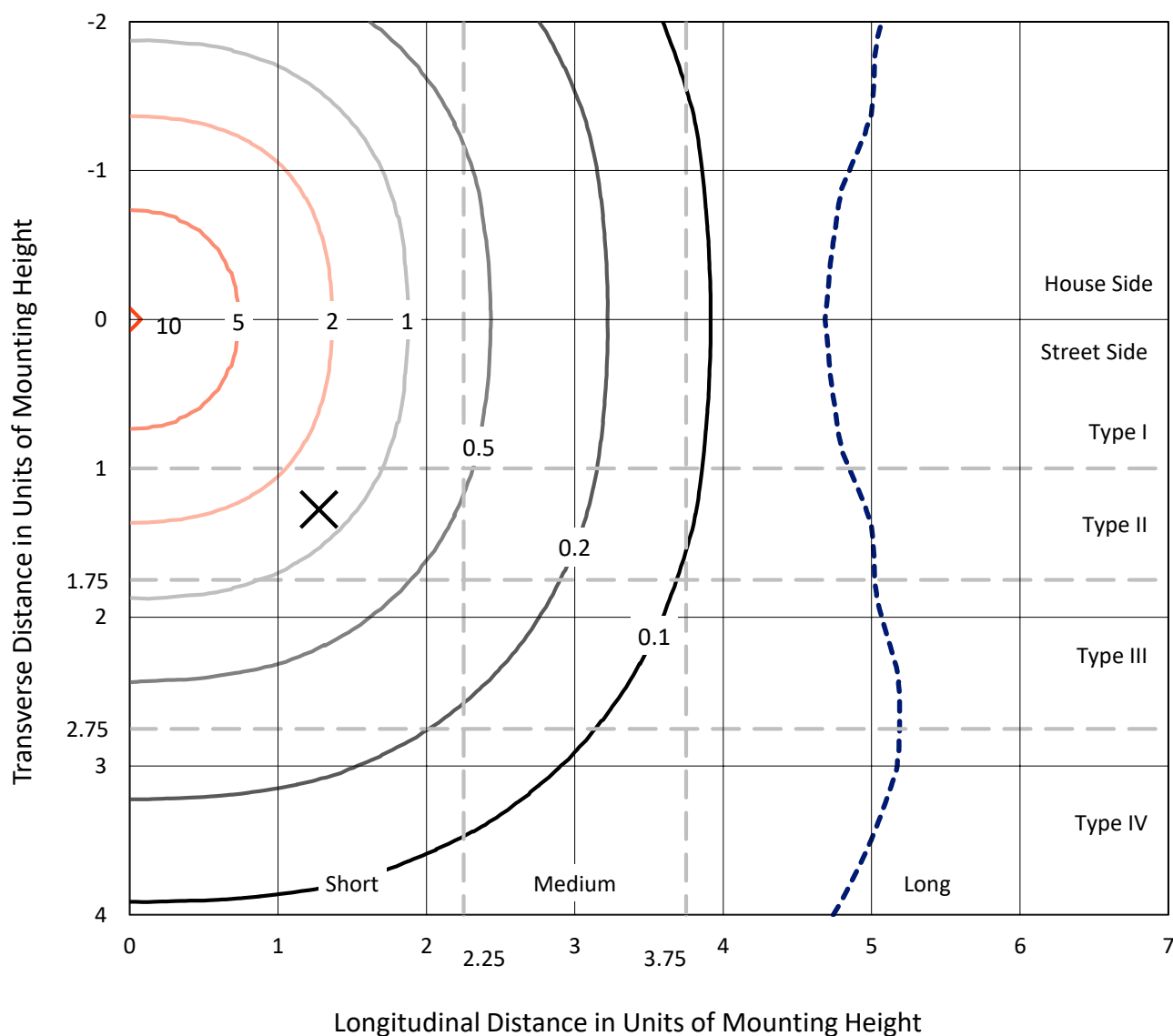
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

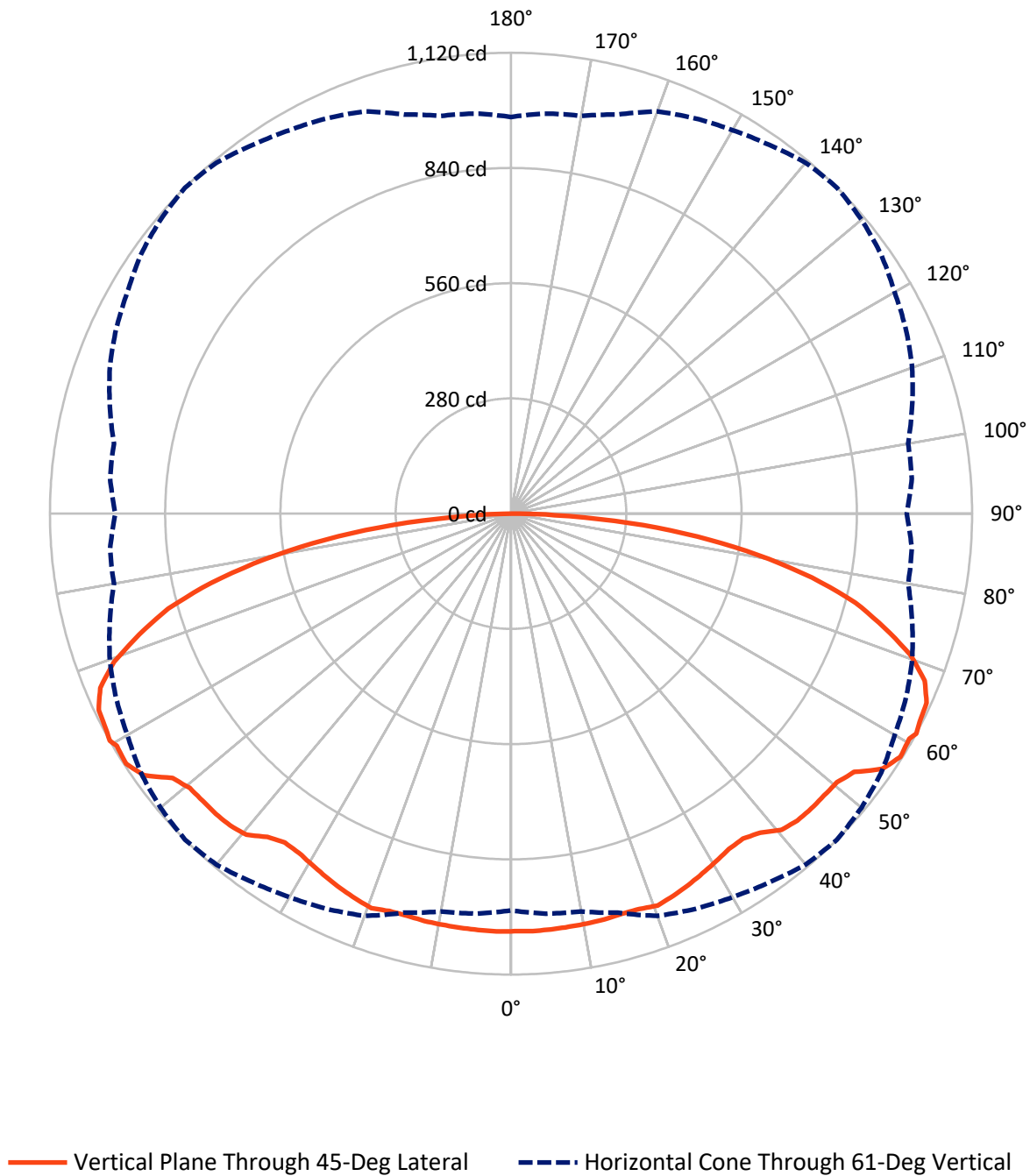


Based on 10 foot mounting height. Maximum calculated value = 10.1 fc
Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2618.6	0.0	2618.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2618.6	0.0	2618.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	5237.1	0.0	5237.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.8	1.8
10°-20°	286.2	5.5
20°-30°	460.5	8.8
30°-40°	610.0	11.6
40°-50°	770.3	14.7
50°-60°	923.0	17.6
60°-70°	1009.2	19.3
70°-80°	807.9	15.4
80°-90°	273.3	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°	5237.1	100.0
0°-180°	5237.1	100.0

Coefficient of Utilization



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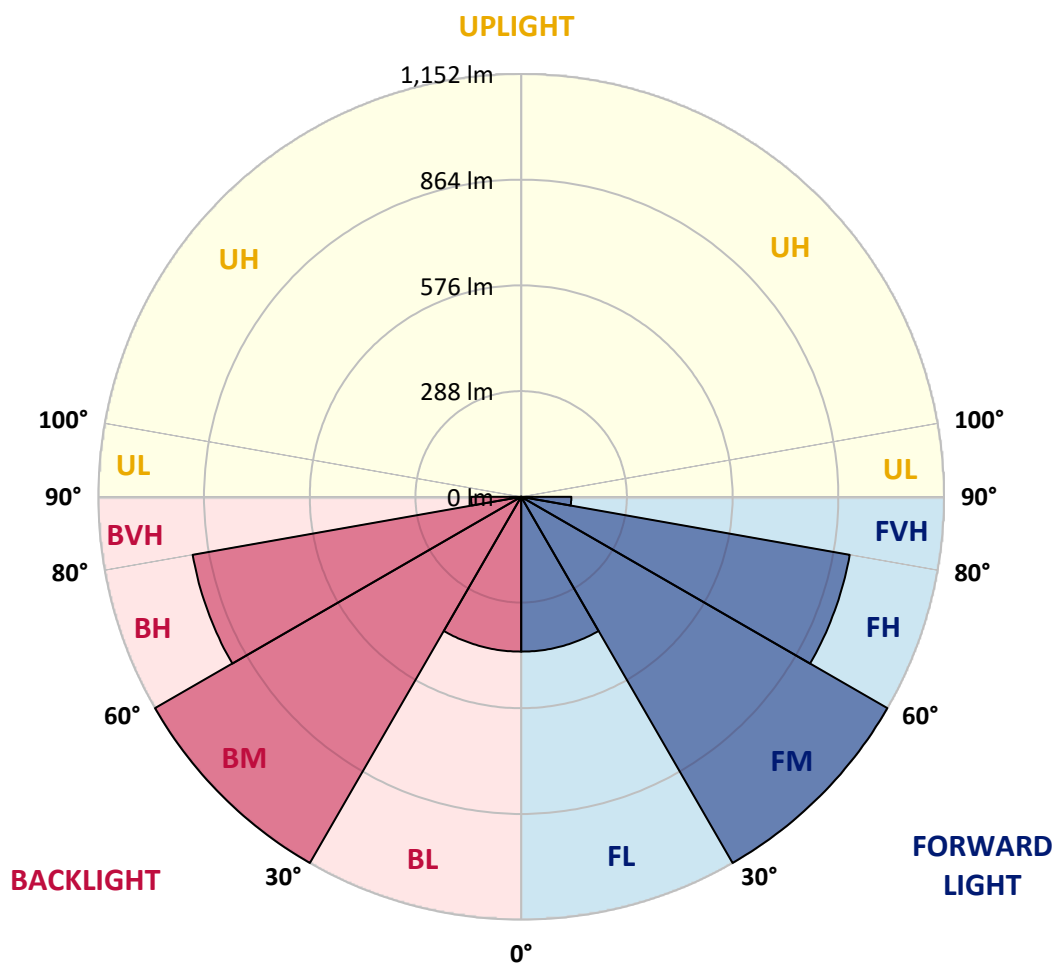
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	421.7	8.1			
FM	(30°-60°)	1151.6	22.0			
FH	(60°-80°)	908.5	17.3			G1/1800
FVH	(80°-90°)	136.7	2.6			G2/225
BL	(0°-30°)	421.7	8.1	B1/500		
BM	(30°-60°)	1151.6	22.0	B2/2500		
BH	(60°-80°)	908.5	17.3	B2/1000		G1/1800
BVH	(80°-90°)	136.7	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°	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7
2.5°	1015.7	1014.7	1015.7	1015.7	1015.7	1015.7	1015.7	1015.7	1015.7	1015.7	1015.7
5°	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7
7.5°	1013.7	1013.7	1013.7	1013.7	1013.7	1013.7	1013.7	1013.7	1014.7	1013.7	1014.7
10°	1011.8	1011.8	1011.8	1011.8	1012.7	1012.7	1012.7	1012.7	1012.7	1012.7	1012.7
12.5°	1009.8	1009.8	1009.8	1009.8	1010.8	1010.8	1010.8	1010.8	1011.8	1011.8	1010.8
15°	1007.8	1006.9	1006.9	1007.8	1007.8	1008.8	1008.8	1008.8	1009.8	1008.8	1008.8
17.5°	1005.9	1004.9	1005.9	1006.9	1006.9	1007.8	1008.8	1008.8	1009.8	1009.8	1009.8
20°	1008.8	1007.8	1008.8	1009.8	1010.8	1012.7	1013.7	1014.7	1015.7	1016.6	1016.6
22.5°	1003.0	1002.0	1003.0	1003.0	1003.9	1004.9	1006.9	1007.8	1008.8	1008.8	1008.8
25°	994.2	994.2	995.1	995.1	996.1	997.1	998.1	999.0	999.0	1000.0	999.0
27.5°	984.4	984.4	985.4	985.4	987.3	987.3	988.3	989.3	990.2	990.2	990.2
30°	972.7	972.7	973.7	974.7	976.6	977.5	978.5	979.5	980.5	980.5	980.5
32.5°	962.0	961.0	962.0	963.9	966.9	968.8	970.8	971.8	971.8	971.8	972.7
35°	953.2	954.2	956.1	958.1	962.0	963.9	965.9	968.8	969.8	969.8	969.8
37.5°	955.1	956.1	959.1	963.0	967.9	973.7	977.5	981.4	984.4	983.4	982.4
40°	967.9	969.8	974.7	980.5	988.3	996.1	1002.0	1006.9	1009.8	1010.8	1009.8
42.5°	969.8	971.8	975.7	984.4	993.2	1002.0	1009.8	1014.7	1018.6	1019.6	1018.6
45°	968.8	968.8	974.7	984.4	993.2	1002.0	1011.8	1018.6	1022.5	1022.5	1022.5
47.5°	962.0	964.9	968.8	978.5	990.2	999.0	1008.8	1015.7	1020.5	1023.5	1020.5
50°	962.0	962.0	968.8	975.7	986.3	1002.0	1015.7	1022.5	1027.3	1026.3	1027.3
52.5°	960.0	965.9	969.8	979.5	999.0	1014.7	1025.3	1035.1	1042.0	1042.9	1041.0
55°	977.5	978.5	987.3	1005.9	1024.4	1042.0	1061.5	1076.1	1087.8	1094.7	1084.9
57.5°	991.2	986.3	1003.9	1019.6	1041.0	1067.4	1096.6	1108.3	1117.1	1115.2	1118.1
60°	972.7	979.5	992.2	1008.8	1042.9	1069.3	1084.9	1097.6	1108.3	1111.3	1107.4
61°	963.9	975.7	981.4	1003.9	1040.0	1059.6	1076.1	1093.7	1113.2	1120.0	1111.3
62.5°	949.3	967.9	965.9	1002.0	1024.4	1046.8	1078.0	1098.6	1112.3	1114.2	1112.3
65°	950.3	947.3	969.8	996.1	1018.6	1058.6	1084.9	1097.6	1105.4	1109.3	1107.4
67.5°	919.1	909.3	936.6	955.1	993.2	1024.4	1049.8	1068.4	1080.0	1083.9	1079.0
70°	846.8	853.7	873.2	901.5	932.7	970.8	994.2	1018.6	1028.3	1029.2	1029.2
72.5°	777.6	781.5	801.0	827.4	863.4	896.6	920.0	939.5	948.3	949.3	951.2
75°	685.9	689.8	712.2	736.6	772.7	801.0	817.6	841.0	853.7	864.4	855.6
77.5°	579.5	586.4	603.9	630.3	663.4	679.1	708.3	735.7	744.4	747.3	744.4
80°	459.5	468.3	483.9	519.0	533.7	559.0	587.4	599.0	606.8	608.8	609.7
82.5°	330.7	337.6	354.2	378.5	395.2	415.6	435.1	449.8	458.5	456.6	455.6
85°	195.1	197.1	214.6	231.2	243.9	256.6	272.2	282.9	284.9	288.8	287.8
87.5°	58.6	59.5	67.4	76.1	81.9	87.8	97.6	110.3	113.2	105.4	106.4
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°	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7
2.5°	1015.7	1015.7	1015.7	1015.7	1015.7	1015.7	1014.7	1015.7
5°	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7	1014.7
7.5°	1014.7	1013.7	1013.7	1013.7	1013.7	1013.7	1013.7	1013.7
10°	1012.7	1012.7	1012.7	1012.7	1011.8	1011.8	1011.8	1011.8
12.5°	1010.8	1010.8	1010.8	1010.8	1009.8	1009.8	1009.8	1009.8
15°	1008.8	1008.8	1008.8	1008.8	1007.8	1007.8	1007.8	1007.8
17.5°	1009.8	1008.8	1007.8	1007.8	1006.9	1005.9	1005.9	1005.9
20°	1015.7	1014.7	1012.7	1010.8	1009.8	1008.8	1008.8	1008.8
22.5°	1007.8	1006.9	1004.9	1003.9	1003.9	1003.0	1002.0	1002.0
25°	999.0	997.1	997.1	996.1	996.1	994.2	994.2	993.2
27.5°	989.3	988.3	987.3	986.3	986.3	985.4	984.4	983.4
30°	980.5	978.5	976.6	975.7	974.7	973.7	973.7	973.7
32.5°	971.8	969.8	968.8	965.9	963.9	963.0	962.0	962.0
35°	968.8	965.9	963.9	961.0	958.1	956.1	955.1	953.2
37.5°	980.5	976.6	973.7	968.8	962.0	959.1	956.1	955.1
40°	1005.9	1002.0	996.1	988.3	980.5	974.7	969.8	967.9
42.5°	1014.7	1009.8	1002.0	994.2	984.4	975.7	971.8	969.8
45°	1017.6	1012.7	1002.0	992.2	983.4	975.7	969.8	967.9
47.5°	1014.7	1007.8	998.1	990.2	977.5	967.9	963.9	961.0
50°	1021.5	1015.7	1003.0	985.4	974.7	968.8	962.0	961.0
52.5°	1035.1	1024.4	1012.7	1000.0	979.5	967.9	963.9	959.1
55°	1076.1	1061.5	1041.0	1020.5	1007.8	989.3	977.5	977.5
57.5°	1107.4	1095.6	1069.3	1042.0	1018.6	1004.9	987.3	988.3
60°	1098.6	1082.9	1070.3	1042.9	1009.8	991.2	984.4	971.8
61°	1097.6	1076.1	1058.6	1037.1	1008.8	979.5	977.5	961.0
62.5°	1099.5	1080.0	1046.8	1024.4	1003.0	964.9	963.9	948.3
65°	1097.6	1079.0	1062.5	1020.5	991.2	975.7	942.4	955.1
67.5°	1067.4	1050.8	1020.5	997.1	952.2	932.7	914.2	914.2
70°	1019.6	995.1	965.9	936.6	906.4	873.2	856.6	846.8
72.5°	939.5	919.1	895.6	864.4	827.4	797.1	781.5	774.7
75°	839.0	816.6	796.1	772.7	733.7	708.3	691.7	686.9
77.5°	733.7	714.2	678.1	655.6	629.3	600.0	585.4	579.5
80°	599.0	588.3	562.9	526.8	514.1	478.1	468.3	459.5
82.5°	449.8	438.1	414.6	389.3	373.7	353.2	335.6	333.7
85°	282.9	275.1	260.5	242.0	222.4	210.8	195.1	199.0
87.5°	105.4	100.5	91.7	80.0	71.3	63.4	55.6	58.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)