

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: P269955

Luminaire Tested: **GPC-AF-01-LED-E1-SL3-7027-600-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P269955
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24289)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GPC-AF-01-LED-E1-SL3-7027-600-HSS
Description: GALLEON PEDESTRIAN LUMINAIRE
(1) 70 CRI, 2700K, 615mA LIGHTSQUARE WITH 16 LEDS EACH AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3108.3 lumens
Efficiency: N/A
Efficacy: 91.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

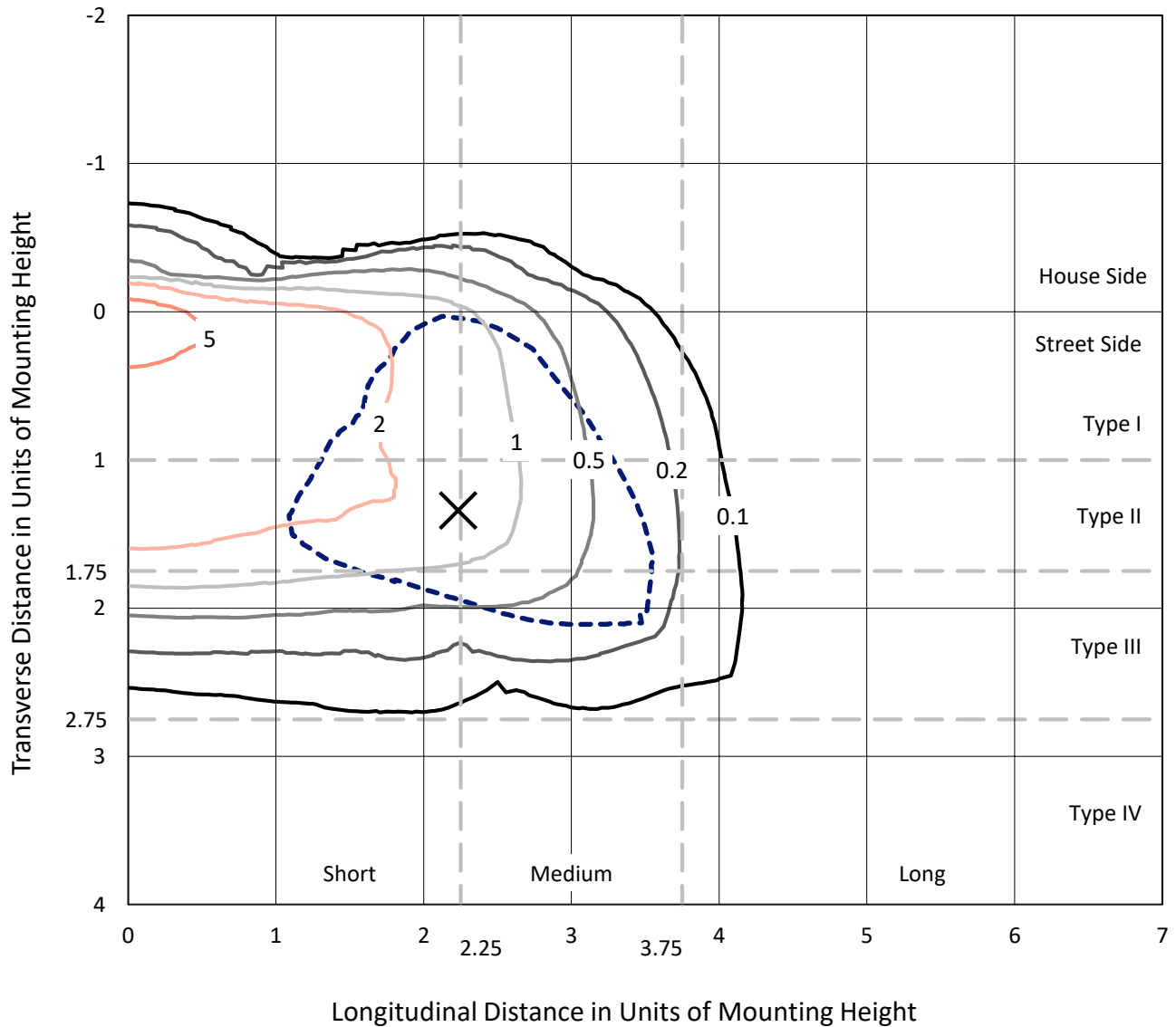
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

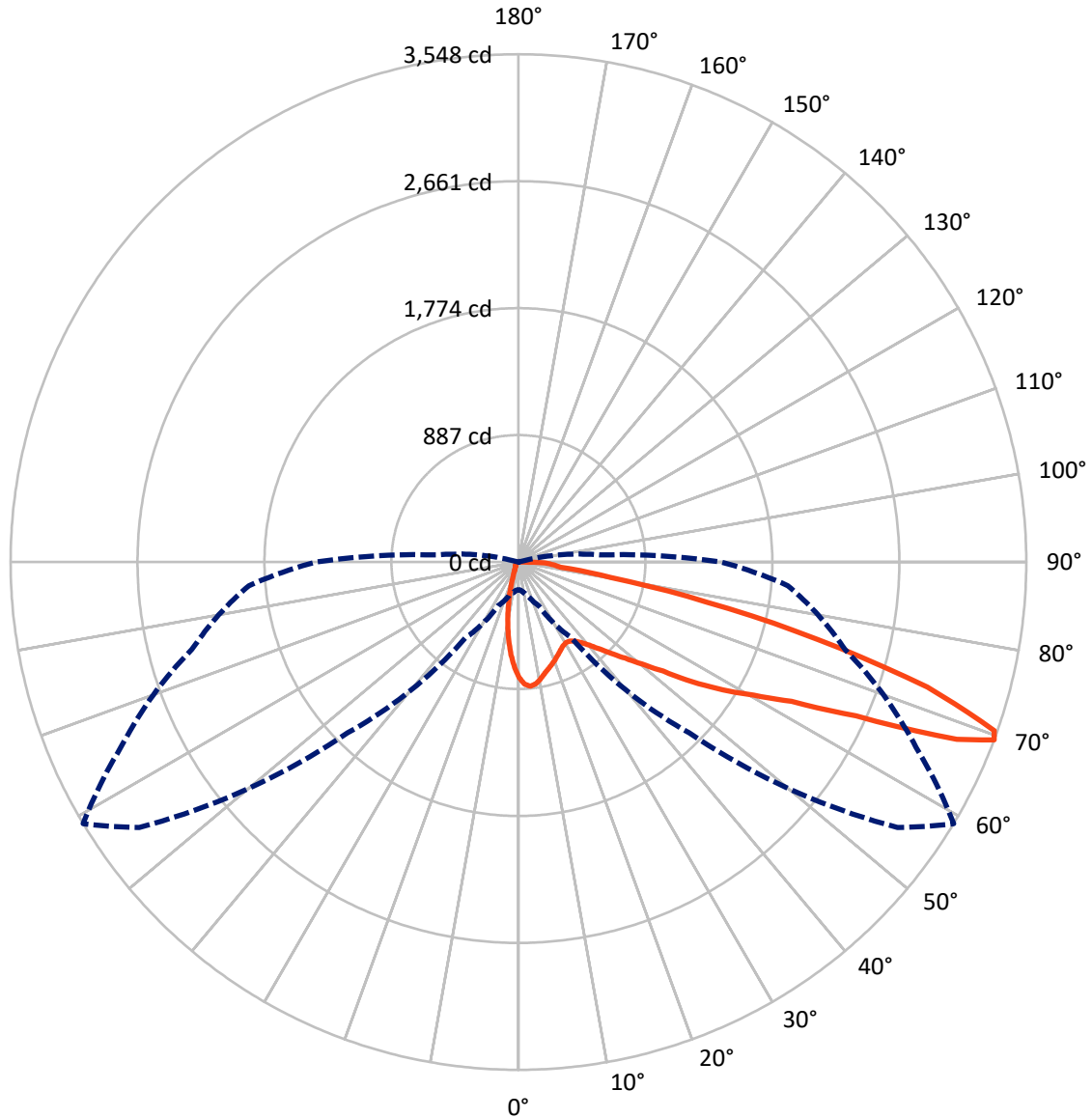
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.1 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	253.1	0.0	253.1
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	2855.2	0.0	2855.2
	% Fixture	91.9	0.0	91.9
Total	Lumens	3108.3	0.0	3108.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.7	2.1
10°-20°	135.7	4.4
20°-30°	182.6	5.9
30°-40°	265.1	8.5
40°-50°	441.4	14.2
50°-60°	688.6	22.2
60°-70°	852.1	27.4
70°-80°	431.8	13.9
80°-90°	45.2	1.5
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°	3108.3	100.0
0°-180°	3108.3	100.0



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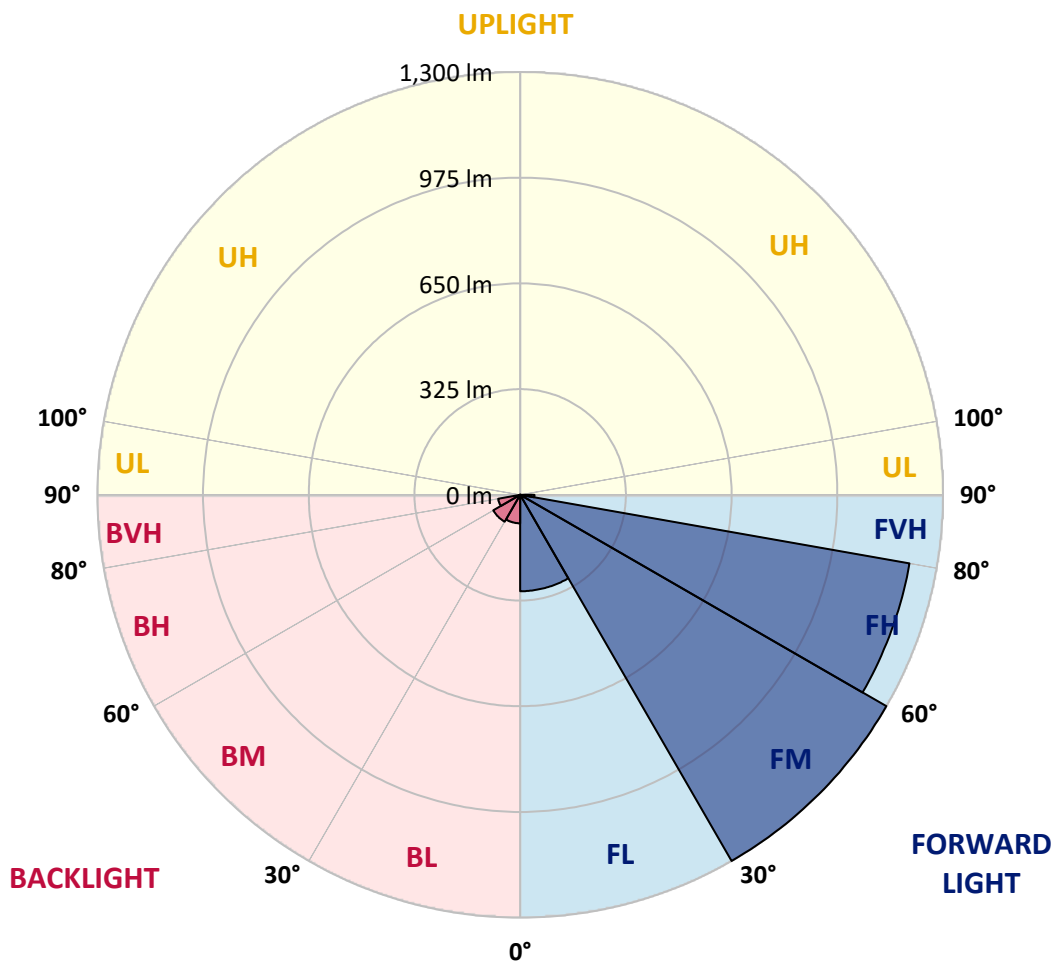
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	296.3	9.5			
FM	(30°-60°)	1299.8	41.8			
FH	(60°-80°)	1215.2	39.1			G1/1800
FVH	(80°-90°)	43.8	1.4			G1/100
BL	(0°-30°)	87.6	2.8	B0/110		
BM	(30°-60°)	95.4	3.1	B0/220		
BH	(60°-80°)	68.7	2.2	B0/110		G0/110
BVH	(80°-90°)	1.4	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	809.1	809.1	809.1	809.1	809.1	809.1	809.1	809.1	809.1	809.1	809.1
2.5°	886.7	886.4	882.6	880.8	877.6	870.9	860.5	855.0	846.4	831.0	810.5
5°	878.6	882.9	885.2	885.3	887.6	885.2	875.8	871.3	859.1	834.5	797.7
7.5°	823.8	825.5	831.9	837.5	848.4	858.8	862.2	860.1	853.0	826.6	777.7
10°	765.1	766.8	774.3	781.9	796.5	812.5	829.5	833.0	836.0	815.4	758.3
12.5°	714.5	716.0	723.9	733.6	750.9	770.6	796.7	802.5	815.8	804.6	742.8
15°	670.9	671.7	679.4	691.2	711.8	737.1	766.9	776.1	796.3	797.1	729.2
17.5°	633.8	635.6	640.3	651.7	674.3	705.4	740.2	753.5	777.3	790.8	716.0
20°	611.1	613.0	612.7	619.0	639.2	672.7	713.4	729.5	758.3	784.3	704.4
22.5°	606.7	606.7	602.1	601.2	613.3	641.2	685.6	705.2	741.2	781.4	696.0
25°	622.3	621.6	610.3	601.0	601.4	618.2	658.7	682.0	726.8	783.4	691.6
27.5°	655.5	654.5	640.1	622.3	608.2	608.1	638.3	663.4	715.4	792.6	693.4
30°	701.1	700.8	685.1	662.8	637.0	613.3	631.4	654.1	708.0	809.1	697.4
32.5°	751.1	750.5	738.8	715.2	682.5	637.0	638.8	657.6	710.1	831.0	707.2
35°	804.0	803.1	798.0	777.5	741.5	680.7	662.9	677.9	723.5	863.9	726.5
37.5°	861.2	862.2	865.8	846.2	808.4	742.1	703.6	713.7	750.4	908.5	758.1
40°	945.8	945.6	946.9	921.0	884.7	817.2	760.3	763.5	795.4	967.7	805.9
42.5°	1099.3	1088.6	1056.0	1003.2	966.8	902.9	831.9	828.5	850.3	1041.0	872.9
45°	1305.4	1282.6	1198.2	1097.1	1050.4	999.6	920.0	909.3	923.2	1129.1	955.4
47.5°	1482.8	1459.0	1339.7	1194.8	1139.1	1091.4	1023.2	1003.9	1008.3	1227.8	1060.2
50°	1543.1	1531.5	1427.2	1279.9	1225.1	1206.9	1142.9	1119.3	1112.8	1341.8	1181.7
52.5°	1522.2	1521.3	1451.8	1335.2	1303.8	1326.3	1293.5	1266.3	1242.4	1462.0	1305.2
55°	1488.6	1493.0	1461.8	1383.5	1382.4	1435.5	1499.5	1476.9	1407.6	1592.7	1411.7
57.5°	1396.0	1414.8	1456.2	1474.8	1518.1	1572.5	1671.0	1684.4	1602.4	1692.6	1500.2
60°	1132.7	1173.9	1309.6	1488.0	1692.9	1828.3	1878.0	1889.6	1762.5	1775.8	1619.6
62.5°	804.0	846.2	1018.1	1320.0	1695.6	2164.6	2186.6	2141.6	1938.5	1898.9	1825.4
65°	426.8	459.3	599.9	952.8	1470.2	2242.6	2725.9	2592.4	2249.3	2141.4	2091.3
67.5°	218.3	228.2	284.0	466.3	1010.7	1992.0	3209.6	3303.5	2784.8	2381.9	2078.5
69°	193.1	199.0	236.1	337.1	647.1	1687.1	3233.1	3547.6	3065.2	2361.9	1888.7
70°	186.9	192.1	225.8	305.2	505.8	1414.9	3142.9	3526.2	3136.9	2285.5	1747.2
72.5°	158.7	163.1	201.1	269.6	411.2	702.4	2553.1	2988.0	2814.8	1903.9	1264.6
75°	106.2	120.6	193.0	252.8	382.5	398.9	1683.2	2159.3	2005.8	1284.1	658.7
77.5°	25.5	27.4	54.4	201.1	349.8	351.1	865.6	1342.3	1094.9	457.6	155.8
80°	13.7	13.1	15.4	40.0	325.6	329.6	389.7	651.6	390.9	75.9	51.4
82.5°	9.6	9.2	9.8	16.7	102.4	300.3	282.0	295.0	162.1	29.1	23.0
85°	3.6	3.4	5.5	15.1	32.2	172.7	289.7	243.4	131.3	13.4	16.9
87.5°	1.3	1.1	2.1	8.3	9.8	73.5	178.8	183.9	51.7	8.1	7.9
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	809.1	809.1	809.1	809.1	809.1	809.1	809.1	809.1	809.1	809.1	809.1
2.5°	801.8	791.0	770.9	750.4	731.4	708.6	697.1	685.9	681.2	679.4	671.0
5°	778.7	760.1	717.7	674.9	635.6	593.7	566.1	544.1	531.0	524.7	514.6
7.5°	748.9	718.7	654.2	588.3	526.9	466.5	421.7	387.2	363.5	352.0	341.6
10°	720.1	679.8	588.1	498.3	414.9	334.9	272.9	228.2	199.6	186.3	177.9
12.5°	694.3	642.1	524.3	410.5	306.1	212.2	149.2	113.5	95.8	89.7	86.6
15°	671.3	607.3	464.1	327.3	207.1	121.4	81.6	69.3	66.7	66.7	66.3
17.5°	649.5	573.2	405.9	249.1	130.1	74.2	62.1	60.5	60.5	61.2	61.2
20°	628.5	540.7	349.6	178.8	81.9	58.8	56.1	55.8	56.1	57.0	57.0
22.5°	610.6	511.1	297.1	122.7	60.8	53.1	51.7	51.2	51.4	51.8	52.2
25°	597.3	486.2	247.6	83.2	52.5	48.2	46.7	45.9	45.2	45.2	45.5
27.5°	588.7	465.1	199.6	60.5	47.2	43.9	41.5	40.1	38.4	37.5	38.0
30°	582.7	445.0	154.5	49.3	42.2	39.0	35.8	33.5	31.4	30.3	30.6
32.5°	580.3	428.9	115.5	43.6	37.8	34.2	30.5	27.4	25.0	24.1	24.3
35°	586.6	416.1	84.5	39.3	34.2	29.9	25.5	22.2	20.2	19.8	19.9
37.5°	602.8	409.2	63.3	35.8	31.1	26.2	21.3	18.1	16.9	16.9	17.1
40°	633.2	409.0	50.8	33.3	28.2	22.6	17.5	15.4	14.6	14.9	15.1
42.5°	678.0	418.3	44.2	31.1	25.8	19.4	14.6	13.0	12.8	13.1	13.4
45°	738.9	435.4	40.8	29.1	23.1	16.2	12.2	11.3	11.3	11.8	11.9
47.5°	813.7	460.3	37.8	27.3	20.7	13.6	10.5	9.8	10.1	10.5	10.7
50°	903.7	491.8	34.9	25.2	18.7	11.3	9.2	8.7	8.9	9.5	9.6
52.5°	1006.1	534.1	32.3	23.1	16.2	9.3	7.7	7.4	7.7	8.4	8.7
55°	1094.0	572.1	29.4	21.6	13.0	7.7	6.3	6.3	6.6	7.5	7.7
57.5°	1178.5	611.8	26.7	18.7	10.2	6.2	5.3	5.5	6.0	6.8	7.0
60°	1302.6	679.2	23.5	15.6	7.7	4.9	4.4	4.6	5.3	6.2	6.3
62.5°	1513.4	781.6	20.4	13.0	6.0	3.9	3.6	3.9	4.8	5.7	6.0
65°	1703.5	823.2	16.7	10.9	4.6	3.0	3.0	3.6	4.6	5.6	5.7
67.5°	1597.5	693.0	13.0	8.7	3.6	2.2	2.4	3.4	4.4	5.6	5.7
69°	1412.9	566.7	11.0	6.8	3.0	2.1	2.2	3.4	4.4	5.5	5.6
70°	1268.9	478.4	9.8	5.7	2.6	2.1	2.2	3.1	4.4	5.5	5.6
72.5°	849.8	258.4	7.9	4.2	2.4	1.9	1.9	3.1	4.2	5.3	5.5
75°	365.3	71.3	6.3	3.0	2.1	1.7	1.7	3.0	4.0	5.1	5.5
77.5°	66.8	18.1	5.1	2.6	2.1	1.7	1.5	2.9	3.9	4.9	5.1
80°	26.5	9.0	4.0	2.2	1.9	1.5	1.3	2.6	3.8	4.8	4.9
82.5°	16.0	5.1	3.4	2.1	1.9	1.3	1.3	2.2	3.6	4.6	4.8
85°	13.0	3.6	2.6	2.1	1.7	1.3	1.1	2.1	3.1	4.4	4.6
87.5°	6.3	2.4	2.4	1.9	1.7	1.3	1.1	1.9	3.0	4.2	4.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)