

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: P1211996

Luminaire Tested: **GKO-PB1A-850-U-T2U**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1211996
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB1A-850-U-T2U
Description: GEKKO WALL PACK 750LM PACKAGE 80CRI 5000K FIXTURE w/ TYPE II URBAN DISTRIBUTION OPTIC
Light Source: (10) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

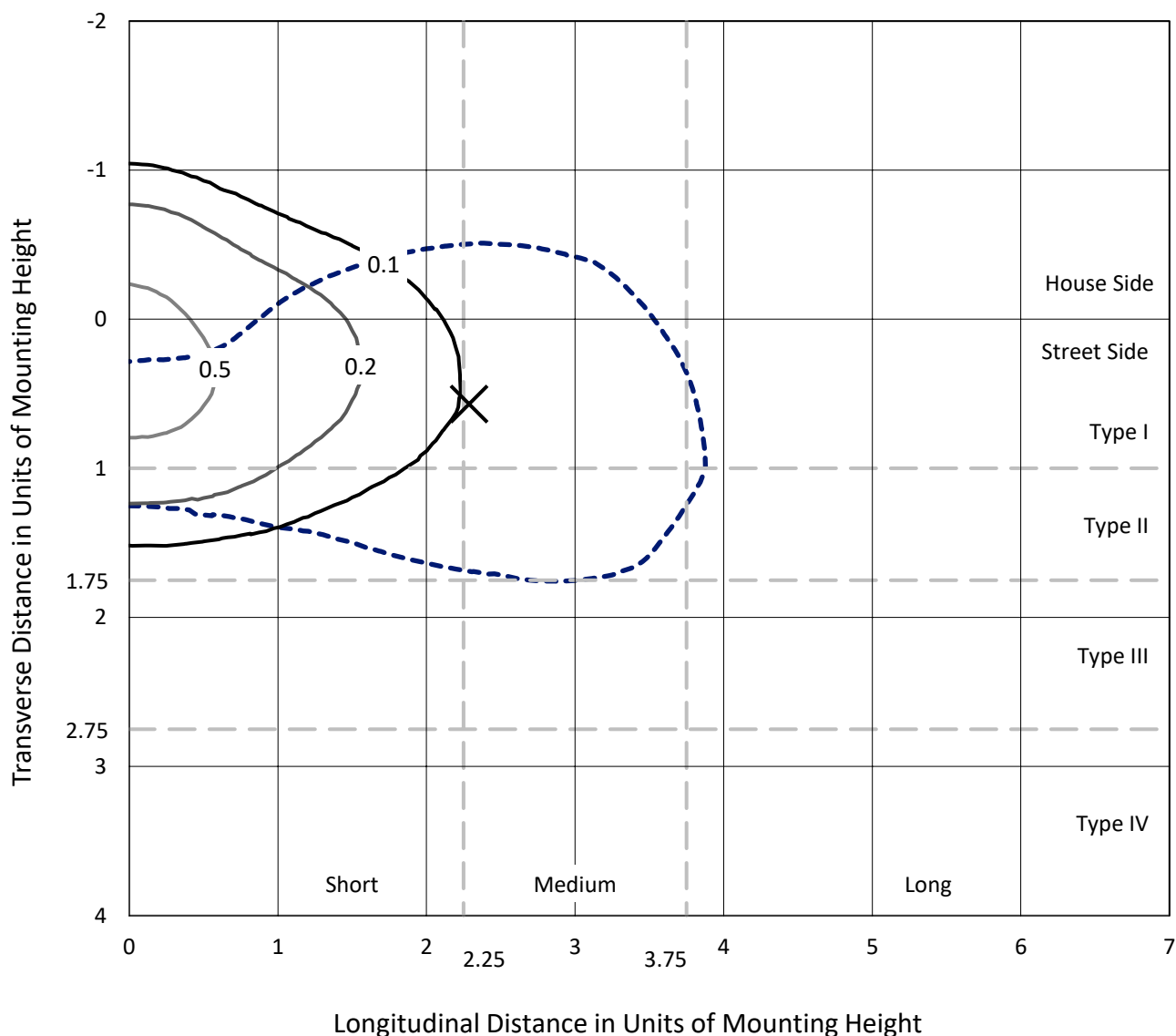
Lumens per Lamp: N/A
Luminaire Lumens: 712.4 lumens
Efficiency: N/A
Efficacy: 148.4 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G0

Input Watts (W): 4.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 16%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

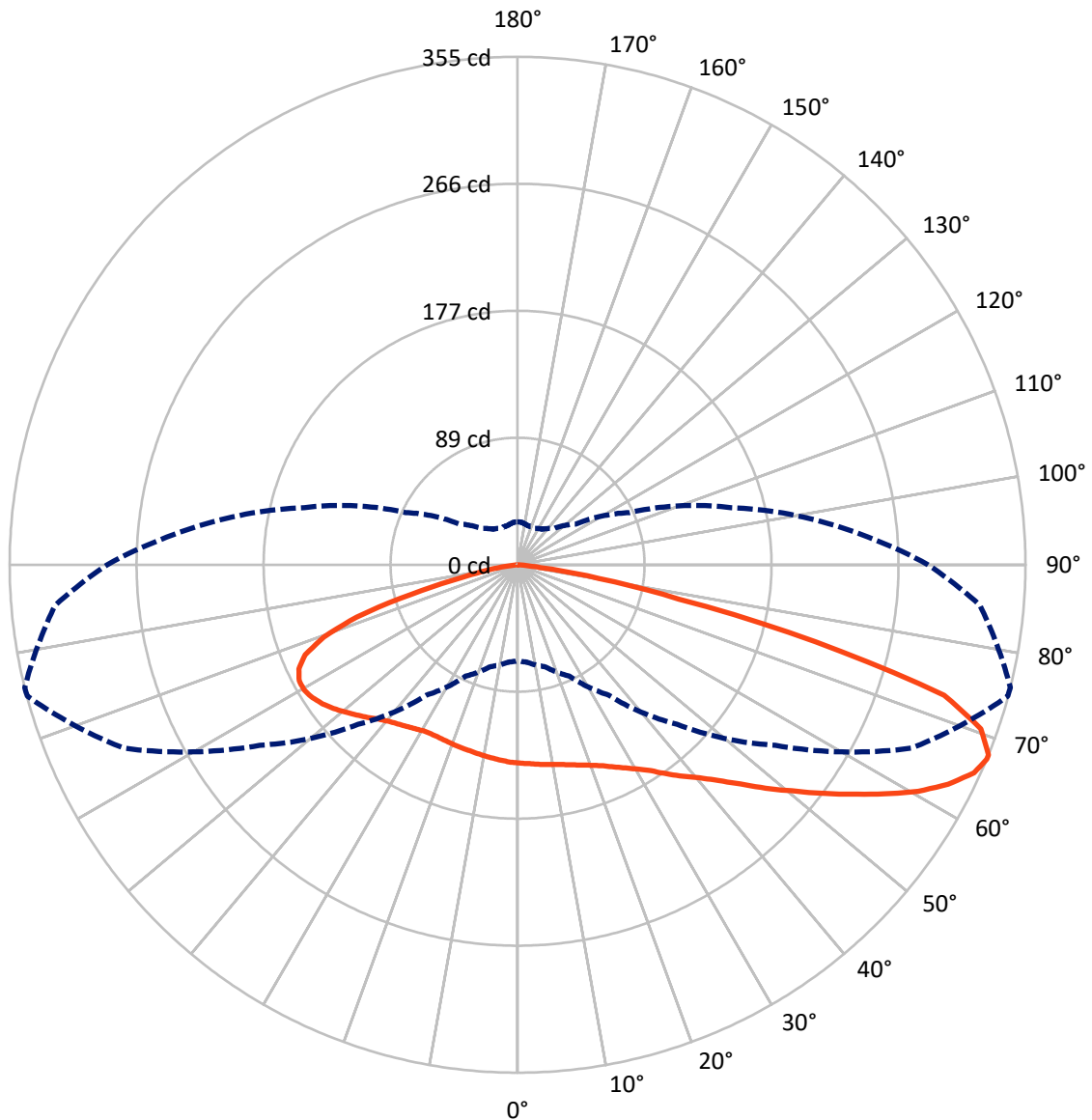
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 0.7 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	235.0	0.0	235.0
	% Fixture	33.0	0.0	33.0
Street Side	Lumens	477.4	0.0	477.4
	% Fixture	67.0	0.0	67.0
Total	Lumens	712.4	0.0	712.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.3	1.9
10°-20°	40.7	5.7
20°-30°	70.1	9.8
30°-40°	100.7	14.1
40°-50°	127.7	17.9
50°-60°	140.2	19.7
60°-70°	136.0	19.1
70°-80°	75.1	10.5
80°-90°	8.7	1.2
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°	712.4	100.0
0°-180°	712.4	100.0



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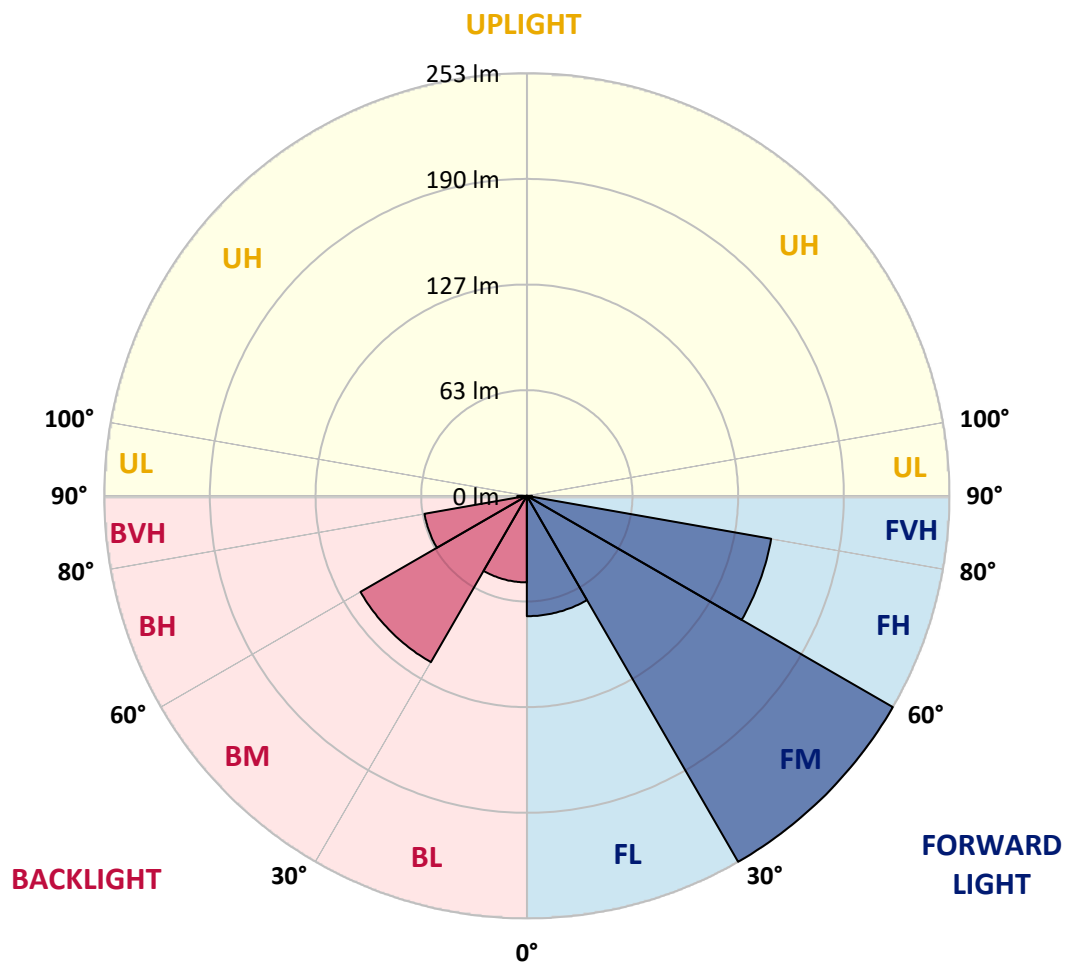
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	72.2	10.1			
FM	(30°-60°)	253.4	35.6			
FH	(60°-80°)	148.7	20.9			G0/660
FVH	(80°-90°)	3.1	0.4			G0/10
BL	(0°-30°)	51.9	7.3	B0/110		
BM	(30°-60°)	115.2	16.2	B0/220		
BH	(60°-80°)	62.3	8.7	B0/110		G0/110
BVH	(80°-90°)	5.6	0.8			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G0

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	138.5	138.5	138.5	138.5	138.5	138.5	138.5	138.5	138.5	138.5	138.5
2.5°	142.6	142.5	142.3	142.3	141.8	141.2	140.7	140.3	139.2	139.0	138.5
5°	146.9	146.9	146.5	146.3	145.5	144.1	142.9	141.6	140.1	139.9	138.6
7.5°	152.4	152.4	151.7	151.2	149.9	147.7	145.5	143.3	141.1	140.8	138.9
10°	159.4	159.4	158.9	157.6	155.0	152.1	148.5	145.1	142.2	141.9	139.2
12.5°	166.7	166.9	166.0	164.2	161.1	156.7	152.3	147.3	143.6	143.2	139.7
15°	174.2	174.3	173.8	171.8	167.6	162.2	156.3	150.3	145.4	145.0	140.5
17.5°	181.5	181.7	181.2	179.0	174.0	168.2	160.9	153.5	147.6	147.0	141.9
20°	188.4	188.4	188.4	185.9	181.1	174.4	166.0	157.4	150.1	149.5	143.6
22.5°	194.6	194.8	195.2	193.9	188.4	181.1	172.0	161.6	153.2	152.5	145.6
25°	200.8	200.9	202.0	201.0	195.7	188.1	178.3	167.0	157.1	156.4	148.1
27.5°	207.9	208.3	209.0	208.6	202.6	195.1	185.3	172.9	161.4	160.7	151.2
30°	216.3	216.3	216.7	216.1	210.0	202.6	192.4	179.1	166.7	165.6	154.9
32.5°	223.2	223.9	223.6	223.4	217.0	209.6	199.5	186.0	172.9	171.5	160.0
35°	229.7	229.8	229.7	230.0	223.6	216.6	207.1	194.0	179.8	179.3	166.5
37.5°	233.4	233.7	234.4	235.2	229.6	222.9	214.7	202.8	188.4	187.4	174.2
40°	235.2	235.6	239.3	240.6	234.5	229.0	222.7	210.8	196.6	195.5	181.9
42.5°	238.0	241.3	243.2	243.5	238.2	233.4	229.6	219.9	206.8	205.9	192.2
45°	228.9	227.6	232.7	238.7	238.4	236.3	236.2	230.1	219.4	218.4	203.9
47.5°	217.4	216.5	219.2	227.9	234.1	237.6	242.6	242.1	234.5	233.1	217.6
50°	190.2	191.8	205.3	217.2	227.9	238.0	248.2	254.6	249.3	248.2	232.0
52.5°	164.7	165.8	175.0	203.2	219.9	236.7	253.0	267.9	266.5	265.2	247.9
55°	146.7	147.8	162.6	180.6	208.1	230.4	256.2	280.4	284.0	282.7	264.7
57.5°	128.0	129.8	139.9	155.7	192.2	219.9	257.3	293.1	303.0	301.9	280.8
60°	110.0	112.4	118.4	135.6	172.7	207.5	254.4	303.3	321.3	321.3	297.5
62.5°	93.3	94.7	100.9	116.4	147.8	191.7	247.1	309.8	338.1	337.4	312.1
65°	79.5	80.2	85.2	98.5	127.0	174.2	234.4	309.3	350.1	350.3	321.7
67°	67.1	68.2	73.7	85.8	111.2	157.6	219.8	303.1	354.4	354.7	324.1
67.5°	62.8	64.1	70.1	82.7	107.9	153.1	216.3	300.5	354.1	354.7	323.4
70°	43.3	43.5	53.7	68.1	88.7	129.0	192.5	282.3	343.6	343.2	308.4
72.5°	27.6	27.1	36.9	49.7	71.4	104.4	162.5	250.5	311.8	311.4	271.9
75°	18.3	18.7	24.9	35.5	50.2	80.7	126.6	189.0	216.6	215.0	179.4
77.5°	13.1	12.8	15.4	25.6	33.6	49.1	68.8	100.6	115.1	115.1	98.5
80°	7.2	7.3	8.4	14.2	19.0	19.2	25.8	50.4	56.2	57.5	47.8
82.5°	2.1	2.2	3.0	4.8	5.2	5.8	9.0	14.5	15.2	16.0	13.0
85°	0.0	0.0	0.0	0.1	0.6	0.7	0.7	0.8	1.4	1.4	1.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.3	0.6	0.6	0.7
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	138.5	138.5	138.5	138.5	138.5	138.5	138.5	138.5	138.5	138.5	138.5
2.5°	138.3	138.5	137.9	137.2	136.7	136.4	135.6	134.9	135.3	135.7	135.7
5°	138.2	138.1	137.0	135.7	134.9	134.3	133.0	132.0	132.1	132.6	132.4
7.5°	138.2	137.7	136.1	134.3	133.0	131.9	130.1	129.0	128.8	129.1	128.8
10°	138.3	137.4	135.3	132.8	130.9	129.2	127.0	125.8	125.4	125.5	125.3
12.5°	138.6	137.1	134.5	131.3	128.8	126.6	124.1	122.6	122.4	122.6	122.6
15°	139.0	137.1	133.8	129.9	126.6	124.1	121.7	120.3	120.3	120.4	120.4
17.5°	139.9	137.5	133.2	128.4	124.4	121.7	119.5	118.5	118.6	119.1	119.1
20°	140.7	138.1	132.7	126.9	122.5	119.3	117.5	116.8	117.4	117.9	117.9
22.5°	141.9	138.8	132.1	125.5	120.3	117.1	115.6	115.1	115.6	116.3	116.0
25°	143.9	140.0	131.7	124.3	118.2	114.8	113.3	112.7	113.0	113.5	113.5
27.5°	146.1	141.5	131.6	122.8	115.7	112.0	110.2	109.4	109.4	109.5	109.7
30°	149.8	144.1	132.1	121.7	113.5	109.1	106.8	105.5	105.4	106.0	106.0
32.5°	154.2	147.7	133.5	120.7	111.3	105.7	102.5	101.6	101.3	101.7	101.3
35°	159.1	151.7	135.3	120.6	109.1	102.0	98.4	97.3	96.5	96.2	95.9
37.5°	166.2	157.2	137.1	119.9	106.9	98.0	94.1	91.8	90.8	90.5	90.5
40°	173.1	162.6	139.3	118.8	104.3	94.0	88.5	85.8	85.4	85.4	85.4
42.5°	181.7	169.6	142.3	118.1	101.1	90.0	82.4	79.4	79.4	79.4	79.2
45°	192.5	178.9	146.2	117.8	98.1	85.2	75.9	71.9	71.8	71.7	71.5
47.5°	205.0	188.5	149.9	117.1	94.5	79.4	68.5	64.1	63.1	62.8	62.4
50°	218.0	199.0	153.9	116.2	90.3	72.6	61.5	56.4	54.3	53.6	53.9
52.5°	231.8	209.2	157.8	114.8	85.2	65.9	54.3	48.9	46.8	46.0	45.9
55°	245.3	219.5	161.4	113.0	79.6	59.0	48.2	43.0	41.2	40.9	40.9
57.5°	258.9	229.4	164.1	110.4	73.6	52.9	43.0	38.7	37.5	38.0	38.0
60°	271.3	238.1	165.5	106.8	67.5	47.4	38.9	35.7	35.1	36.5	36.4
62.5°	282.5	243.9	164.8	101.6	61.6	42.7	35.7	33.3	33.5	35.1	35.3
65°	287.8	244.9	160.8	94.4	55.0	38.7	32.4	30.2	30.5	32.2	32.7
67°	286.6	241.1	154.2	86.3	49.6	35.7	30.3	28.1	28.2	29.8	29.9
67.5°	285.2	239.3	152.4	83.8	48.2	35.1	29.8	27.7	28.0	29.3	29.3
70°	266.9	221.2	135.9	71.1	41.8	31.3	27.1	25.8	26.0	26.9	26.9
72.5°	233.3	191.5	110.0	57.0	35.4	27.7	24.5	23.7	23.7	23.7	23.0
75°	148.8	120.0	71.9	43.7	29.2	23.7	22.0	21.1	20.5	21.4	21.1
77.5°	82.3	62.7	37.5	25.1	21.1	19.7	19.2	18.7	18.6	20.5	20.0
80°	39.0	31.0	21.1	14.3	12.1	14.6	16.5	16.3	19.4	26.6	26.7
82.5°	12.4	10.2	8.5	7.9	8.1	10.5	12.8	14.7	25.2	28.5	28.1
85°	1.5	1.4	1.0	3.2	5.4	7.7	9.9	19.2	23.1	19.3	18.2
87.5°	0.6	0.6	0.6	2.2	4.1	5.9	9.0	19.3	14.2	13.0	11.8
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)