

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: P1211906

Luminaire Tested: **GKO-PB1A-830-U-T2R**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211906
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB1A-830-U-T2R
Description: GEKKO WALL PACK 750LM PACKAGE 80CRI 3000K FIXTURE w/ TYPE II
ROADWAY DISTRIBUTION OPTIC
Light Source: (10) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

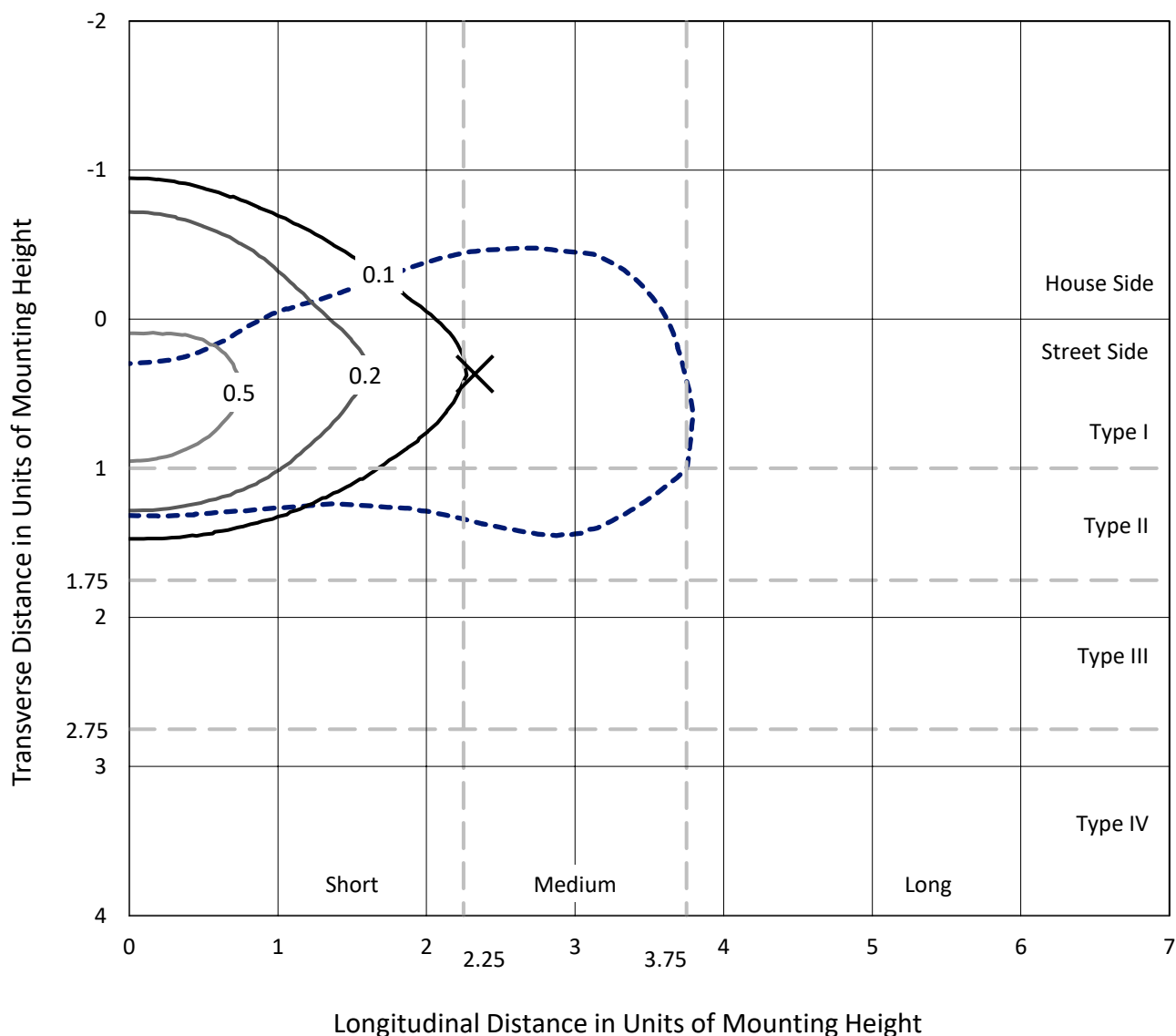
Lumens per Lamp: N/A
Luminaire Lumens: 686.5 lumens
Efficiency: N/A
Efficacy: 143.0 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G0

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

REPORT NUMBER: P1211906
 CATALOG NUMBER: GKO-PB1A-830-U-T2R

Iso-Footcandle Lines of Horizontal Illumination

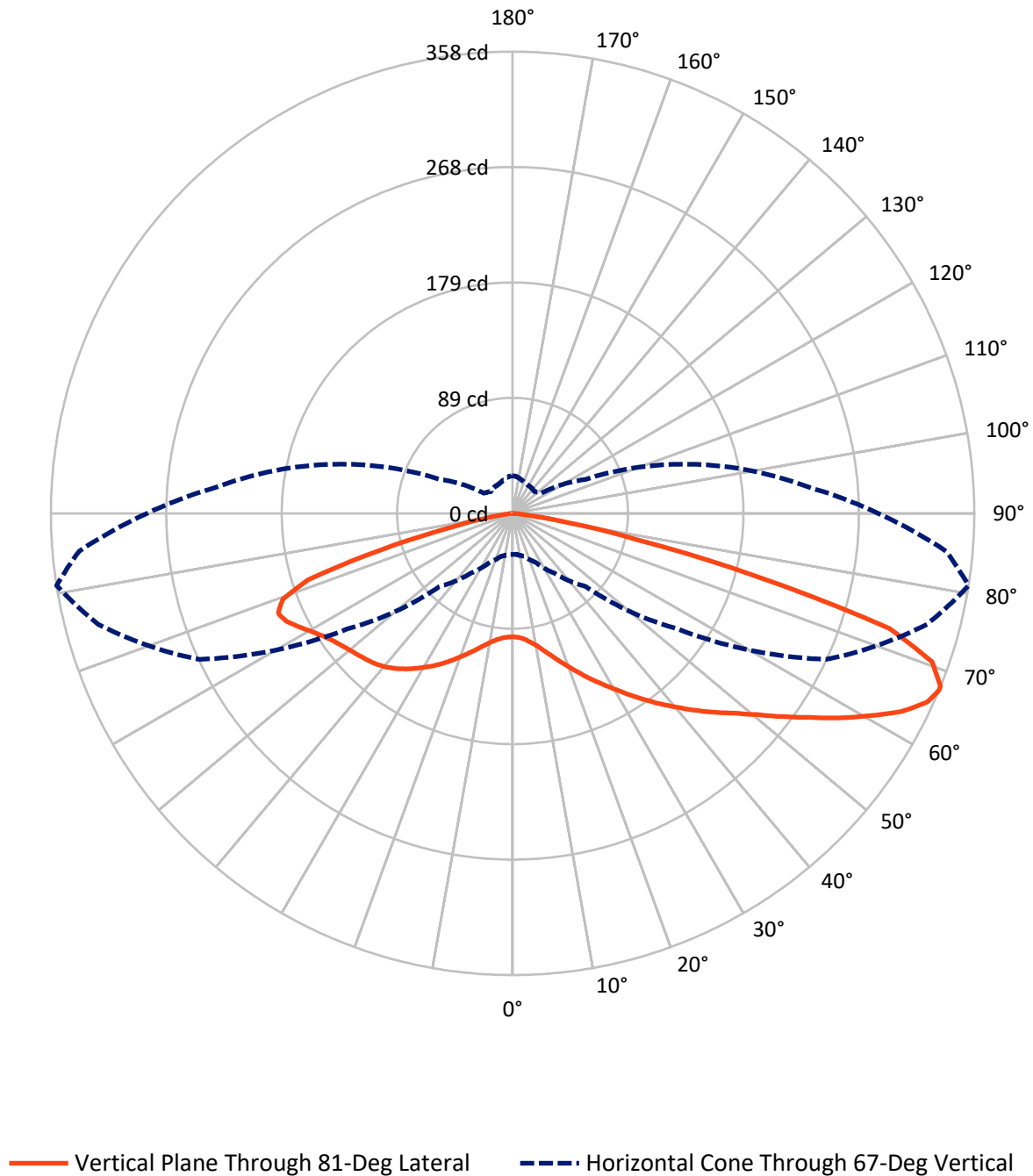
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 0.8 fc
 Type II - Medium - N/A

REPORT NUMBER: P1211906
CATALOG NUMBER: GKO-PB1A-830-U-T2R

Luminous Intensity Polar Plot



REPORT NUMBER: P1211906

CATALOG NUMBER: GKO-PB1A-830-U-T2R

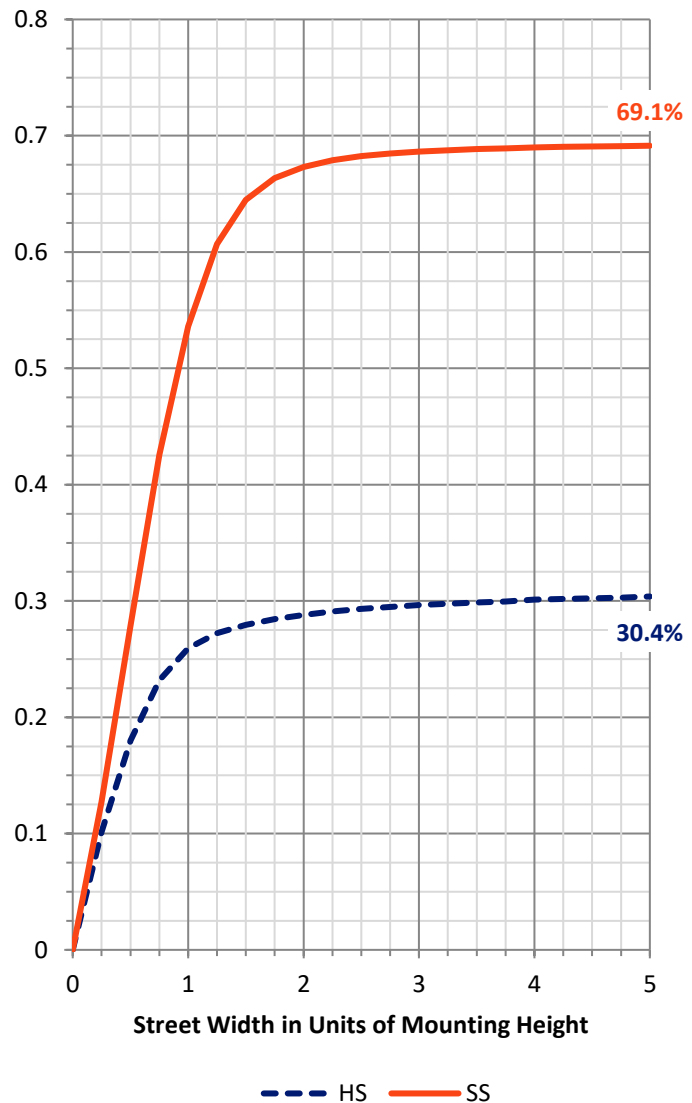
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	212.0	0.0	212.0
	% Fixture	30.9	0.0	30.9
Street Side	Lumens	474.5	0.0	474.5
	% Fixture	69.1	0.0	69.1
Total	Lumens	686.5	0.0	686.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.9	1.4
10°-20°	35.9	5.2
20°-30°	72.6	10.6
30°-40°	114.5	16.7
40°-50°	140.7	20.5
50°-60°	134.4	19.6
60°-70°	112.7	16.4
70°-80°	59.7	8.7
80°-90°	6.2	0.9
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°	686.5	100.0
0°-180°	686.5	100.0



REPORT NUMBER: P1211906

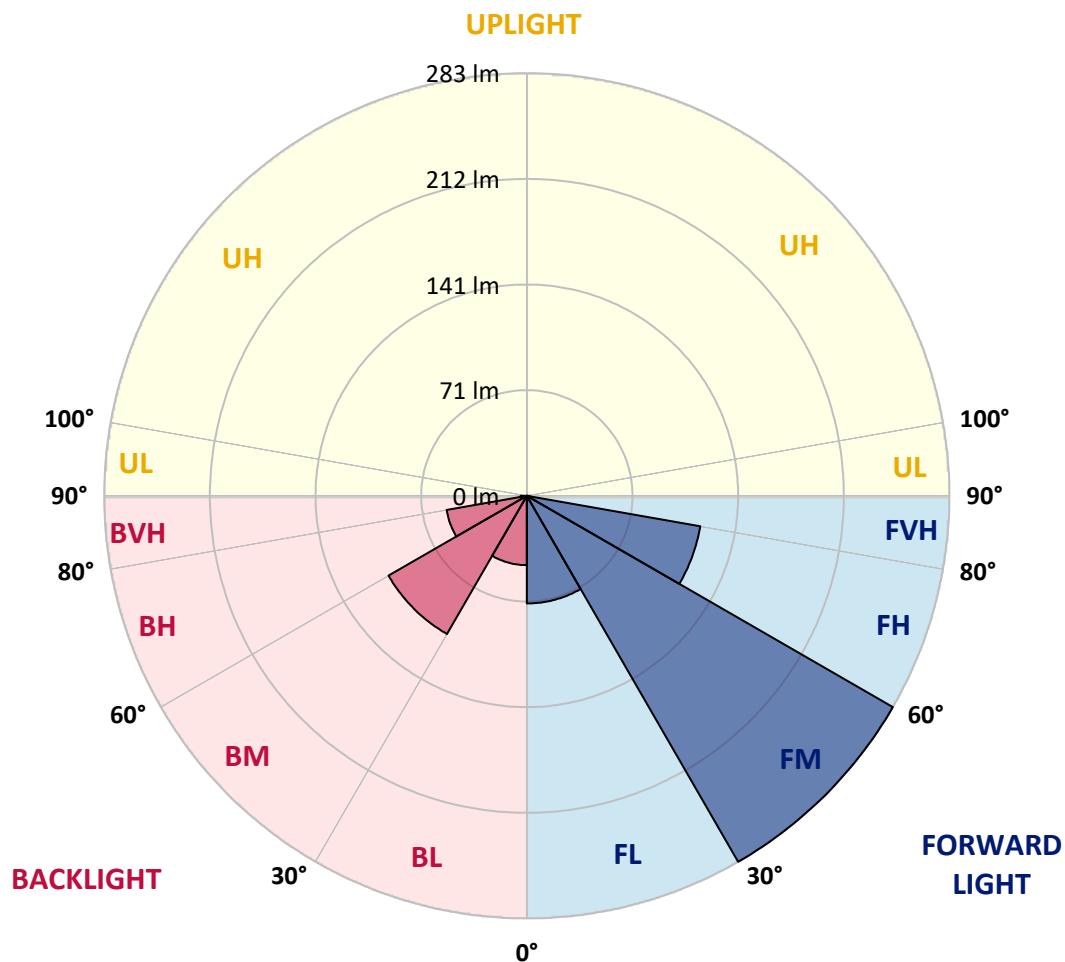
CATALOG NUMBER: GKO-PB1A-830-U-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	72.0	10.5			
FM	(30°-60°)	282.7	41.2			
FH	(60°-80°)	117.8	17.2			G0/660
FVH	(80°-90°)	1.9	0.3			G0/10
BL	(0°-30°)	46.4	6.8	B0/110		
BM	(30°-60°)	106.8	15.6	B0/220		
BH	(60°-80°)	54.5	7.9	B0/110		G0/110
BVH	(80°-90°)	4.3	0.6			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





REPORT NUMBER: P1211906

CATALOG NUMBER: GKO-PB1A-830-U-T2R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
0°	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
2.5°	101.1	101.4	100.9	100.7	100.2	99.4	98.5	97.9	96.8	96.3	96.0
5°	110.7	110.2	109.8	109.2	107.3	105.7	103.1	101.3	99.3	98.0	97.6
7.5°	122.4	122.7	121.4	119.7	117.0	113.9	109.7	106.3	102.6	100.9	100.1
10°	135.2	136.2	134.9	132.8	127.8	123.1	118.0	112.0	107.1	104.4	103.4
12.5°	150.7	151.3	149.6	146.9	140.8	133.7	126.5	119.1	112.6	109.3	107.4
15°	168.0	167.5	165.8	161.7	153.9	146.1	136.2	126.6	118.9	114.8	112.2
17.5°	185.9	185.2	183.0	177.7	168.9	159.1	147.4	135.3	125.6	121.1	117.6
20°	202.9	202.3	200.7	194.8	184.2	172.1	158.4	145.3	133.2	127.7	123.7
22.5°	221.9	221.3	218.8	211.6	200.2	186.9	171.0	155.4	141.5	134.9	130.2
25°	242.3	242.5	239.7	229.6	216.7	201.2	184.5	166.8	150.8	142.5	137.1
27.5°	266.3	266.1	261.4	250.5	234.3	216.5	197.9	178.8	160.0	150.3	144.1
30°	287.9	287.4	282.1	271.2	252.6	232.5	212.1	190.3	170.4	158.8	151.3
32.5°	303.9	304.1	299.7	287.8	269.5	248.1	225.4	203.3	180.3	168.0	159.7
35°	315.5	315.6	311.4	301.2	284.1	262.7	239.5	215.5	191.5	177.5	168.5
37.5°	319.2	319.2	316.4	308.4	294.5	275.8	253.2	229.5	202.7	187.7	177.5
40°	314.2	314.6	314.5	309.2	299.6	284.9	266.0	242.9	215.2	197.8	186.5
42.5°	302.9	303.2	303.6	301.6	298.6	289.8	276.2	256.5	227.6	208.8	195.5
45°	284.2	285.3	287.3	288.1	289.2	288.6	282.5	269.3	241.6	219.9	204.3
47.5°	260.6	262.3	264.9	269.7	276.2	281.5	284.1	279.1	255.1	231.3	214.1
50°	227.8	229.6	236.7	246.5	259.6	269.8	279.8	286.5	270.2	245.2	225.1
52.5°	182.3	186.3	198.2	217.1	239.5	254.7	270.6	290.0	285.6	261.7	238.3
55°	138.7	140.2	155.5	178.2	212.7	238.4	258.0	288.2	300.0	278.9	253.2
57.5°	96.9	98.5	111.9	136.7	174.8	217.1	245.4	282.0	313.1	299.1	270.5
60°	68.8	70.5	80.5	98.9	135.8	186.1	233.7	274.1	324.6	318.3	290.3
62.5°	50.0	51.0	56.2	71.7	98.1	145.5	217.0	269.0	332.6	338.2	310.6
65°	38.4	39.3	42.3	52.0	72.5	106.4	187.0	268.9	334.7	352.9	328.2
67°	31.9	31.8	34.4	41.8	56.6	80.0	156.2	267.8	332.3	357.7	337.2
67.5°	30.2	30.7	32.8	39.0	53.5	73.7	149.5	266.1	331.5	357.5	337.8
70°	24.0	24.2	26.0	30.9	40.2	53.5	107.6	249.3	319.6	344.7	330.5
72.5°	17.6	17.5	20.2	23.4	30.7	38.9	72.1	209.4	293.7	305.4	293.8
75°	13.0	12.9	14.3	17.9	21.9	29.0	46.8	136.6	198.9	194.3	179.4
77.5°	8.7	8.9	10.2	13.1	15.6	18.0	23.4	62.9	109.5	99.0	95.4
80°	5.3	4.9	5.8	7.5	9.1	9.2	10.0	27.2	47.0	44.8	42.0
82.5°	1.8	1.8	2.2	3.0	3.0	3.0	3.7	6.6	9.3	8.5	8.1
85°	0.0	0.0	0.0	0.0	0.3	0.4	0.3	0.5	0.9	1.1	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.3	0.4	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1211906

CATALOG NUMBER: GKO-PB1A-830-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
2.5°	96.0	96.0	95.6	95.1	94.8	94.7	94.3	93.8	94.2	94.6	94.6
5°	97.3	97.1	96.3	95.8	95.4	95.4	94.8	94.7	95.1	95.5	95.4
7.5°	99.4	98.9	98.0	97.2	97.3	97.5	96.7	96.7	97.1	97.5	97.5
10°	102.3	101.4	100.5	99.8	100.0	100.1	99.3	99.0	99.4	99.8	100.1
12.5°	106.0	104.8	103.8	103.1	103.0	103.1	102.3	102.1	102.1	102.3	102.3
15°	110.3	109.0	107.7	106.8	106.5	106.4	105.3	104.4	104.4	104.6	104.6
17.5°	115.3	113.5	111.8	110.7	110.1	109.2	108.0	106.7	106.3	106.4	106.4
20°	120.3	118.3	116.1	114.7	113.4	111.8	109.9	108.2	107.4	107.4	107.3
22.5°	126.1	123.5	120.4	118.5	116.1	113.5	110.9	108.6	107.8	107.6	107.6
25°	132.0	129.0	124.7	121.6	118.2	114.4	111.0	108.0	106.7	106.1	106.1
27.5°	138.1	134.5	128.9	124.5	119.5	114.3	109.7	105.9	104.0	103.4	103.1
30°	144.9	139.8	132.5	126.6	119.8	113.1	107.2	102.7	100.0	98.4	98.5
32.5°	152.0	145.5	135.9	127.9	119.4	110.9	103.4	97.7	94.2	92.7	92.2
35°	159.2	151.1	139.0	128.6	118.1	107.4	98.5	92.2	88.3	86.2	86.2
37.5°	166.6	156.8	141.1	128.5	115.7	103.0	92.9	86.2	81.6	78.9	78.3
40°	173.8	162.2	142.6	127.4	112.2	97.6	86.8	79.6	73.4	70.0	69.5
42.5°	180.9	166.7	143.4	125.7	108.0	91.7	80.0	70.3	64.4	61.2	61.1
45°	187.3	170.2	143.6	123.5	102.5	85.0	70.8	61.5	55.6	52.3	52.3
47.5°	193.6	174.2	143.4	120.6	96.4	76.3	61.1	52.0	46.6	44.5	43.9
50°	201.2	178.1	143.3	117.0	88.7	65.9	51.6	43.9	39.3	37.2	37.2
52.5°	209.0	182.7	143.6	112.0	79.5	55.8	43.2	36.4	33.4	32.0	31.9
55°	219.0	187.6	144.2	106.1	69.9	46.0	36.0	31.4	29.3	28.6	28.8
57.5°	231.0	194.3	145.5	99.2	58.7	37.7	30.9	28.4	27.8	28.1	28.2
60°	244.8	202.5	147.4	91.3	48.9	31.4	27.8	27.3	27.8	28.9	29.0
62.5°	260.9	212.5	149.7	82.5	39.1	27.6	26.5	26.9	27.3	29.0	29.2
65°	275.1	223.3	150.3	72.1	31.8	25.1	25.7	26.0	27.1	29.0	29.2
67°	283.1	230.7	146.7	62.3	27.2	23.8	24.7	25.0	26.8	28.8	29.0
67.5°	284.0	232.2	144.4	59.8	26.3	23.5	24.4	25.0	26.8	28.8	28.9
70°	281.2	231.2	128.6	45.1	21.7	21.7	22.7	23.9	25.7	27.8	28.8
72.5°	256.7	210.8	99.6	30.6	18.4	19.6	21.1	22.9	24.6	27.1	28.6
75°	162.2	135.7	60.9	20.5	15.4	17.5	20.0	21.9	23.4	25.2	26.3
77.5°	86.7	67.1	26.3	12.1	12.1	15.5	18.5	20.4	21.1	21.8	22.5
80°	41.0	31.3	12.7	7.2	8.4	12.1	16.4	18.4	18.7	19.4	19.7
82.5°	8.1	7.1	4.2	3.8	5.5	8.7	13.7	15.9	16.0	17.3	17.6
85°	1.1	0.9	0.7	1.4	3.5	6.4	10.5	13.7	13.9	13.9	13.7
87.5°	0.5	0.4	0.4	1.1	2.6	4.9	8.7	11.4	11.6	9.1	8.8
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)