

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: P1211936

Luminaire Tested: **GKO-PB1A-850-U-T2R**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211936
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-T2R
Description: GEKKO WALL PACK 750LM PACKAGE 80CRI 5000K FIXTURE w/ TYPE II
ROADWAY DISTRIBUTION OPTIC
Light Source: (10) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

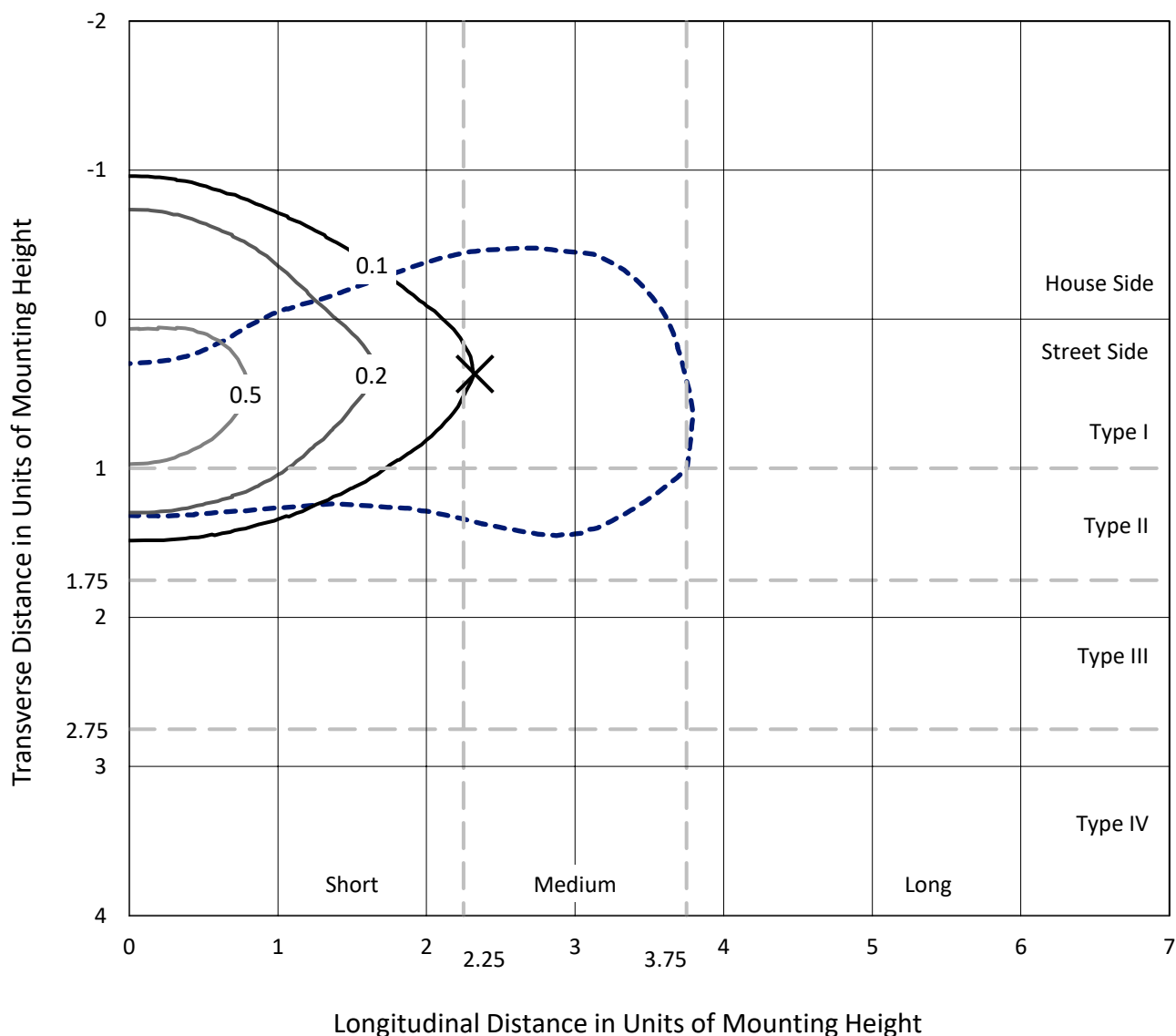
Lumens per Lamp: N/A
Luminaire Lumens: 720 lumens
Efficiency: N/A
Efficacy: 150.0 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G0

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

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Iso-Footcandle Lines of Horizontal Illumination

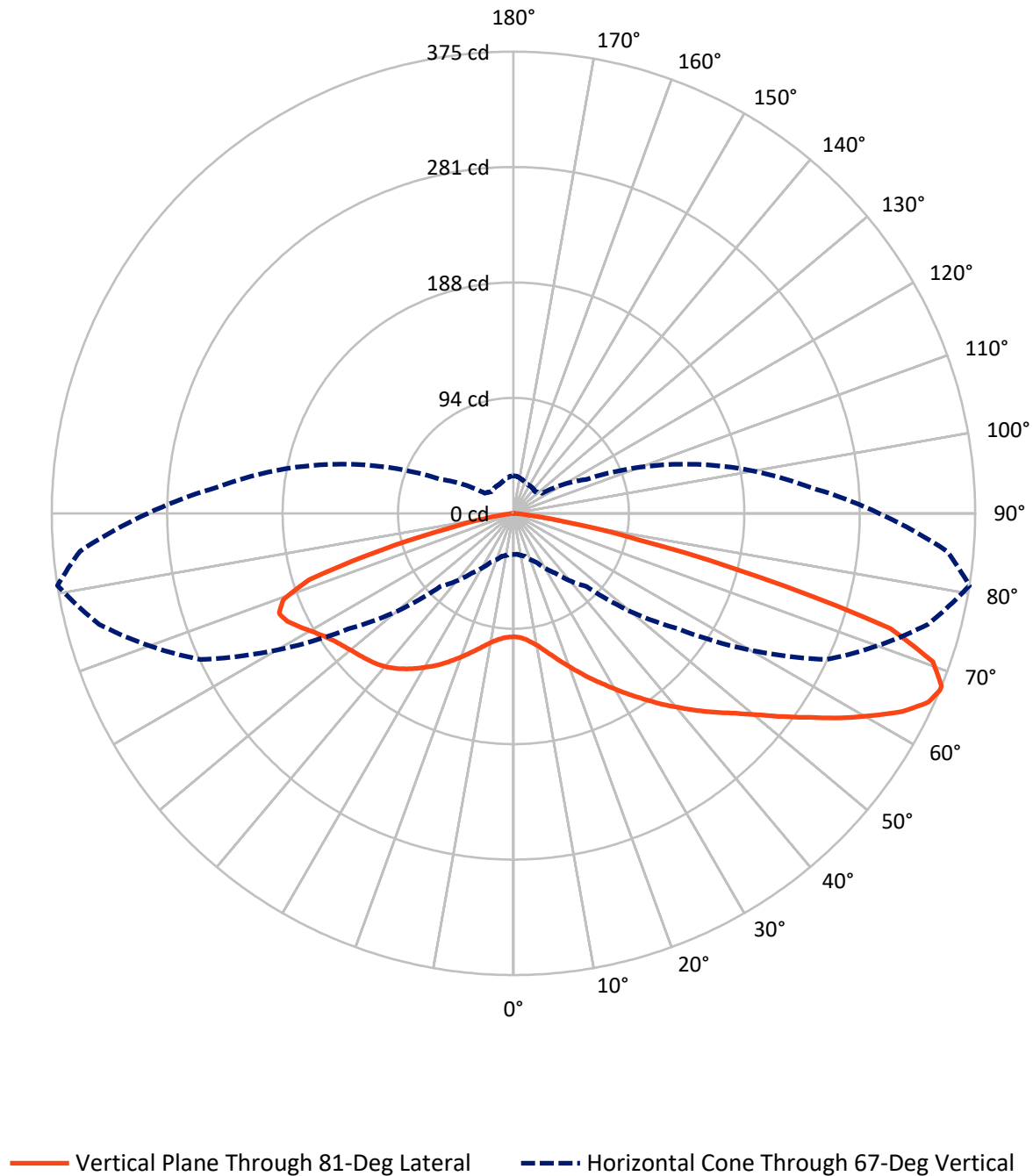
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 0.9 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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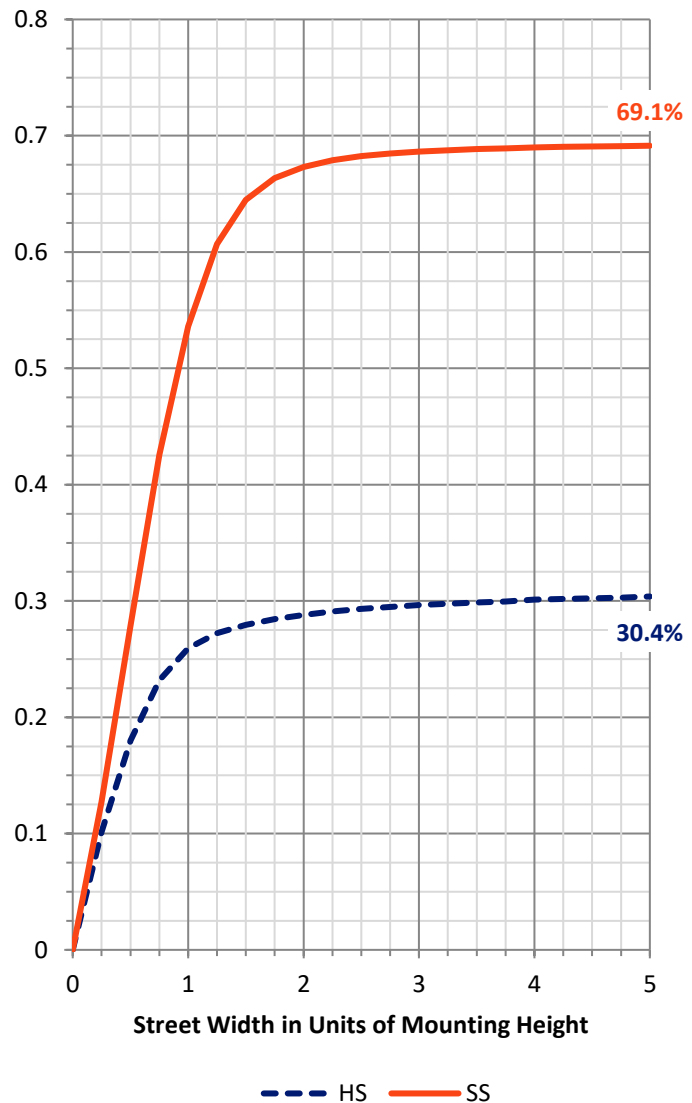
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	222.3	0.0	222.3
	% Fixture	30.9	0.0	30.9
Street Side	Lumens	497.7	0.0	497.7
	% Fixture	69.1	0.0	69.1
Total	Lumens	720.0	0.0	720.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.4	1.4
10°-20°	37.6	5.2
20°-30°	76.2	10.6
30°-40°	120.1	16.7
40°-50°	147.5	20.5
50°-60°	140.9	19.6
60°-70°	118.2	16.4
70°-80°	62.6	8.7
80°-90°	6.5	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°	720.0	100.0
0°-180°	720.0	100.0

Coefficient of Utilization



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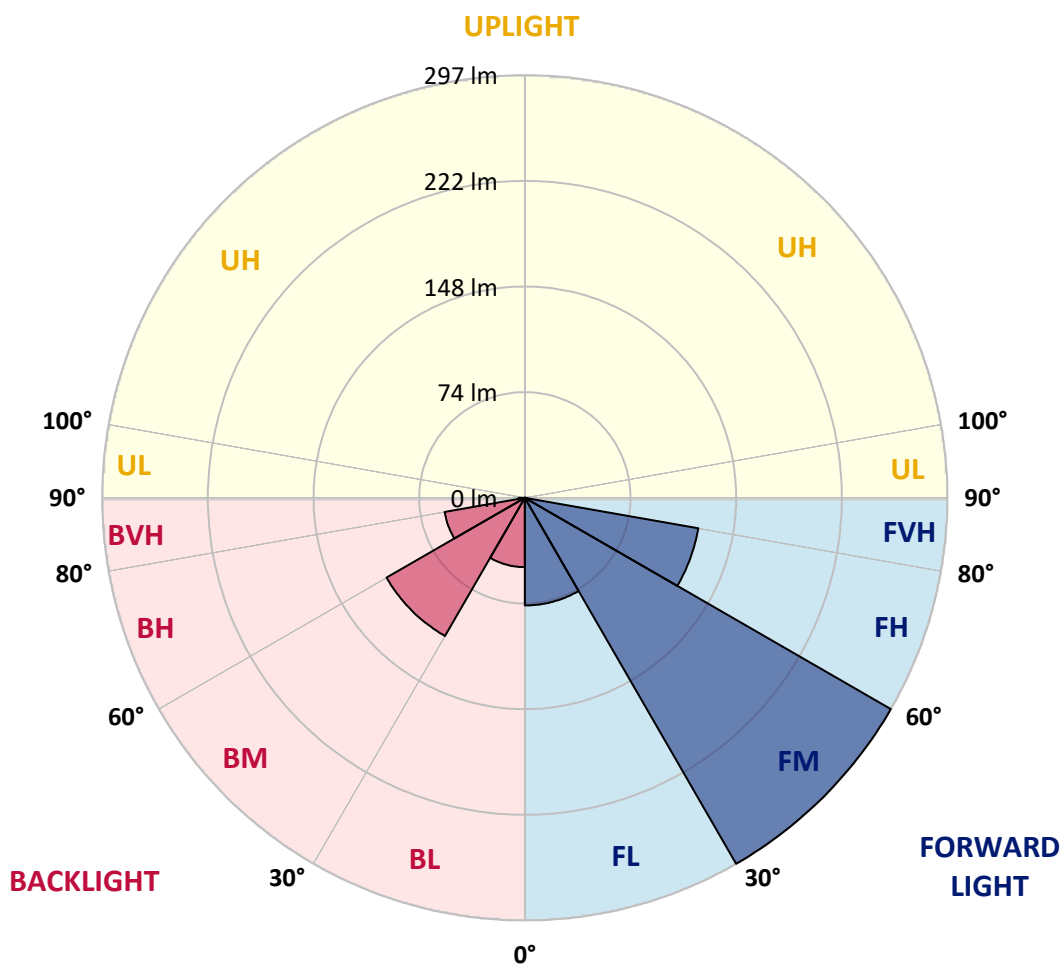
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	75.5	10.5			
FM	(30°-60°)	296.5	41.2			
FH	(60°-80°)	123.6	17.2			G0/660
FVH	(80°-90°)	2.0	0.3			G0/10
BL	(0°-30°)	48.6	6.8	B0/110		
BM	(30°-60°)	112.0	15.6	B0/220		
BH	(60°-80°)	57.2	7.9	B0/110		G0/110
BVH	(80°-90°)	4.5	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
0°	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3
2.5°	106.1	106.4	105.8	105.7	105.1	104.3	103.3	102.6	101.5	101.0	100.7
5°	116.1	115.6	115.2	114.5	112.6	110.9	108.1	106.2	104.1	102.8	102.4
7.5°	128.4	128.7	127.3	125.5	122.7	119.4	115.0	111.5	107.6	105.8	105.0
10°	141.8	142.9	141.5	139.3	134.0	129.1	123.7	117.5	112.3	109.5	108.4
12.5°	158.0	158.7	156.9	154.0	147.7	140.2	132.7	125.0	118.1	114.6	112.7
15°	176.2	175.6	173.9	169.6	161.5	153.2	142.9	132.8	124.7	120.4	117.6
17.5°	194.9	194.2	191.9	186.4	177.2	166.8	154.6	141.9	131.7	127.0	123.3
20°	212.8	212.2	210.5	204.3	193.1	180.5	166.1	152.4	139.7	133.9	129.8
22.5°	232.7	232.1	229.5	221.9	210.0	196.0	179.4	163.0	148.4	141.5	136.5
25°	254.2	254.3	251.4	240.8	227.3	211.1	193.6	175.0	158.2	149.5	143.8
27.5°	279.2	279.1	274.1	262.7	245.8	227.0	207.6	187.5	167.8	157.6	151.1
30°	302.0	301.4	295.9	284.5	264.9	243.8	222.5	199.6	178.7	166.6	158.7
32.5°	318.8	318.9	314.4	301.8	282.7	260.2	236.4	213.3	189.1	176.2	167.5
35°	330.9	331.0	326.6	315.9	298.0	275.5	251.1	226.1	200.9	186.1	176.7
37.5°	334.8	334.8	331.9	323.5	308.9	289.3	265.6	240.7	212.6	196.9	186.1
40°	329.5	329.9	329.8	324.3	314.2	298.8	279.0	254.7	225.7	207.5	195.6
42.5°	317.7	318.0	318.4	316.3	313.1	303.9	289.7	269.1	238.7	219.0	205.0
45°	298.1	299.2	301.3	302.1	303.4	302.7	296.3	282.4	253.3	230.6	214.2
47.5°	273.3	275.1	277.9	282.8	289.7	295.2	298.0	292.7	267.5	242.6	224.6
50°	238.9	240.8	248.2	258.6	272.2	283.0	293.4	300.5	283.4	257.2	236.1
52.5°	191.2	195.3	207.9	227.7	251.1	267.1	283.8	304.2	299.5	274.4	249.9
55°	145.5	147.0	163.1	186.9	223.0	250.0	270.6	302.3	314.7	292.5	265.6
57.5°	101.7	103.3	117.4	143.4	183.4	227.7	257.3	295.8	328.4	313.7	283.7
60°	72.2	74.0	84.4	103.7	142.4	195.2	245.1	287.5	340.4	333.8	304.5
62.5°	52.5	53.5	59.0	75.2	102.9	152.6	227.6	282.1	348.8	354.7	325.8
65°	40.2	41.2	44.4	54.6	76.0	111.6	196.2	282.0	351.0	370.2	344.3
67°	33.5	33.3	36.1	43.8	59.4	83.9	163.8	280.9	348.5	375.1	353.6
67.5°	31.7	32.2	34.4	40.9	56.1	77.3	156.8	279.1	347.7	375.0	354.3
70°	25.2	25.3	27.3	32.4	42.2	56.1	112.8	261.5	335.2	361.5	346.6
72.5°	18.5	18.3	21.2	24.5	32.2	40.8	75.6	219.6	308.0	320.3	308.2
75°	13.6	13.5	15.0	18.7	23.0	30.4	49.0	143.3	208.6	203.8	188.2
77.5°	9.1	9.4	10.7	13.8	16.4	18.9	24.5	66.0	114.9	103.9	100.0
80°	5.5	5.1	6.1	7.9	9.5	9.6	10.5	28.5	49.3	47.0	44.1
82.5°	1.9	1.9	2.3	3.2	3.2	3.2	3.9	6.9	9.8	9.0	8.5
85°	0.0	0.0	0.0	0.0	0.3	0.4	0.3	0.6	1.0	1.1	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.3	0.4	0.6	0.6
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°	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3
2.5°	100.7	100.7	100.3	99.7	99.5	99.3	98.9	98.4	98.8	99.2	99.2
5°	102.1	101.8	101.0	100.4	100.0	100.0	99.5	99.3	99.7	100.2	100.0
7.5°	104.3	103.7	102.8	101.9	102.1	102.2	101.4	101.4	101.8	102.2	102.2
10°	107.3	106.4	105.4	104.7	104.8	105.0	104.1	103.9	104.3	104.7	105.0
12.5°	111.2	109.9	108.8	108.1	108.0	108.1	107.3	107.0	107.0	107.3	107.3
15°	115.7	114.3	113.0	112.0	111.7	111.6	110.5	109.5	109.5	109.7	109.7
17.5°	121.0	119.0	117.2	116.1	115.4	114.5	113.2	111.9	111.5	111.6	111.6
20°	126.2	124.1	121.8	120.3	118.9	117.2	115.3	113.5	112.7	112.7	112.6
22.5°	132.3	129.5	126.3	124.3	121.8	119.0	116.3	113.9	113.1	112.8	112.8
25°	138.5	135.3	130.7	127.6	124.0	120.0	116.4	113.2	111.9	111.3	111.3
27.5°	144.8	141.1	135.1	130.6	125.4	119.9	115.0	111.0	109.1	108.4	108.1
30°	152.0	146.6	139.0	132.8	125.6	118.6	112.4	107.7	104.8	103.2	103.3
32.5°	159.4	152.6	142.6	134.2	125.2	116.3	108.4	102.5	98.8	97.3	96.7
35°	167.0	158.4	145.8	134.9	123.8	112.7	103.3	96.7	92.6	90.4	90.4
37.5°	174.7	164.5	148.0	134.7	121.4	108.0	97.4	90.4	85.6	82.8	82.1
40°	182.3	170.1	149.6	133.6	117.6	102.4	91.1	83.5	77.0	73.4	72.9
42.5°	189.7	174.8	150.4	131.8	113.2	96.2	83.9	73.7	67.5	64.2	64.1
45°	196.4	178.5	150.6	129.5	107.5	89.1	74.3	64.5	58.3	54.8	54.8
47.5°	203.1	182.7	150.4	126.5	101.1	80.0	64.1	54.6	48.9	46.7	46.0
50°	211.1	186.8	150.3	122.7	93.0	69.2	54.1	46.0	41.2	39.0	39.0
52.5°	219.2	191.6	150.6	117.5	83.3	58.5	45.3	38.2	35.0	33.6	33.5
55°	229.7	196.7	151.3	111.3	73.3	48.2	37.7	32.9	30.7	30.0	30.2
57.5°	242.3	203.8	152.6	104.0	61.6	39.5	32.4	29.8	29.2	29.5	29.6
60°	256.8	212.4	154.6	95.7	51.2	32.9	29.2	28.7	29.2	30.3	30.4
62.5°	273.6	222.9	157.0	86.5	41.1	28.9	27.8	28.2	28.7	30.4	30.6
65°	288.5	234.2	157.6	75.6	33.3	26.3	27.0	27.3	28.4	30.4	30.6
67°	296.9	241.9	153.9	65.3	28.5	24.9	25.9	26.2	28.1	30.2	30.4
67.5°	297.8	243.6	151.4	62.7	27.6	24.7	25.6	26.2	28.1	30.2	30.3
70°	295.0	242.5	134.9	47.3	22.7	22.7	23.8	25.1	27.0	29.2	30.2
72.5°	269.2	221.1	104.4	32.1	19.3	20.5	22.2	24.0	25.8	28.4	30.0
75°	170.1	142.3	63.9	21.5	16.1	18.3	20.9	23.0	24.5	26.5	27.6
77.5°	90.9	70.4	27.6	12.7	12.7	16.3	19.4	21.4	22.2	22.9	23.6
80°	43.0	32.8	13.4	7.6	8.8	12.7	17.2	19.3	19.6	20.4	20.7
82.5°	8.5	7.4	4.4	4.0	5.8	9.1	14.3	16.7	16.8	18.2	18.5
85°	1.1	1.0	0.7	1.5	3.7	6.8	11.0	14.3	14.6	14.6	14.3
87.5°	0.6	0.4	0.4	1.1	2.8	5.1	9.1	12.0	12.1	9.5	9.2
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)