

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: LUMIERE

Report Number: P394709

Luminaire Tested: **303-B1-LEDB1-4000-UNV-T2-DIM10**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: P394709
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2001-660-1)
Test Lab: INNOVATION CENTER
Issue Date: 4/9/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 303-B1-LEDB1-4000-UNV-T2-DIM10
Description: LUMIERE EON LED LUMINAIRE
BOLLARD, SINGLE HEAD, ONE LIGHTBAR, TYPE 2
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 613.1 lumens
Efficiency: N/A
Efficacy: 73.9 lumens/watt
Luminous Opening: Rectangular (W 0.38' x L: 0.21' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G0

Input Watts (W): 8.3
Input Voltage (V): 120
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: 28.75 FT

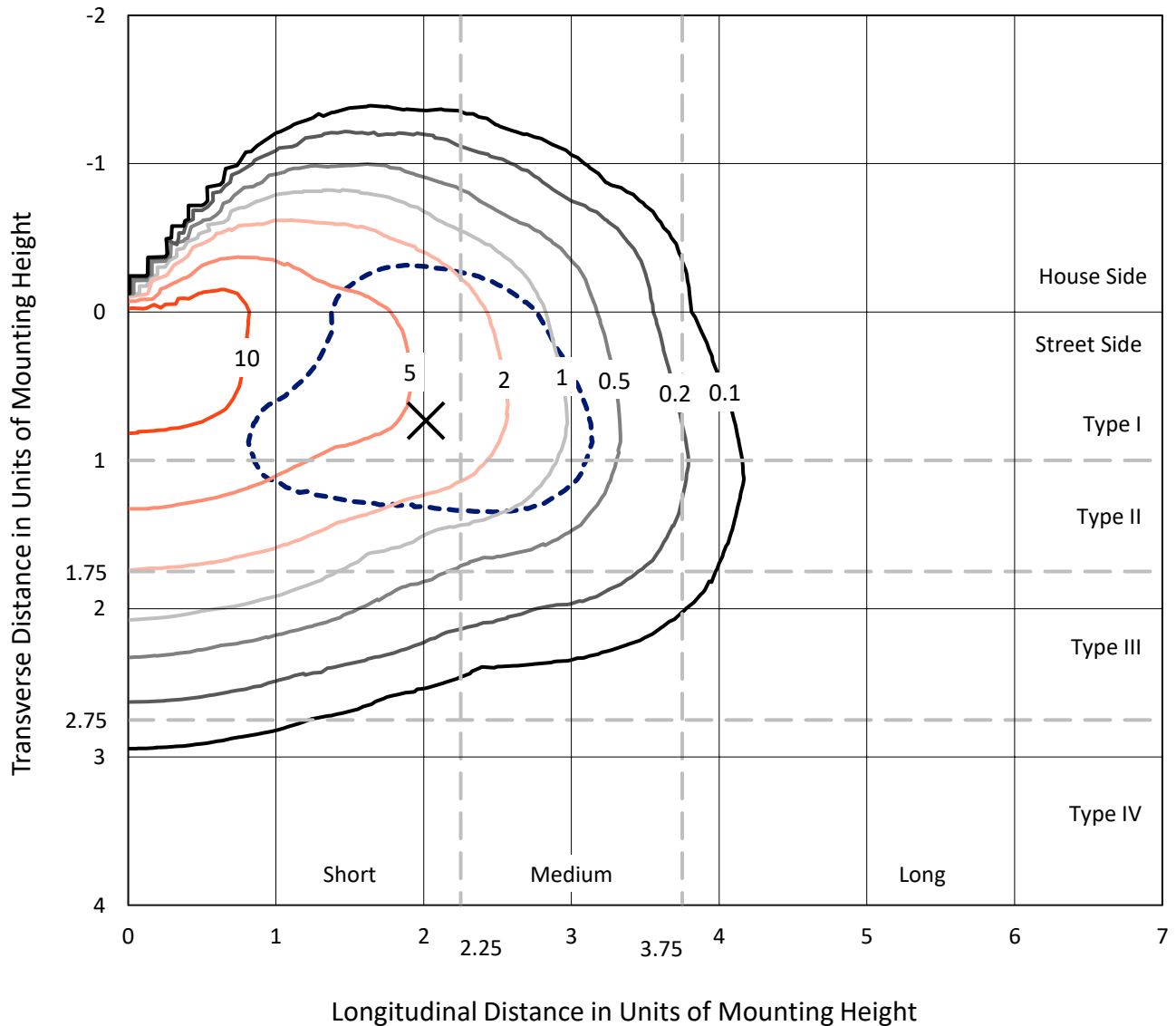


REPORT NUMBER: P394709

CATALOG NUMBER: 303-B1-LEDB1-4000-UNV-T2-DIM10

Iso-Footcandle Lines of Horizontal Illumination

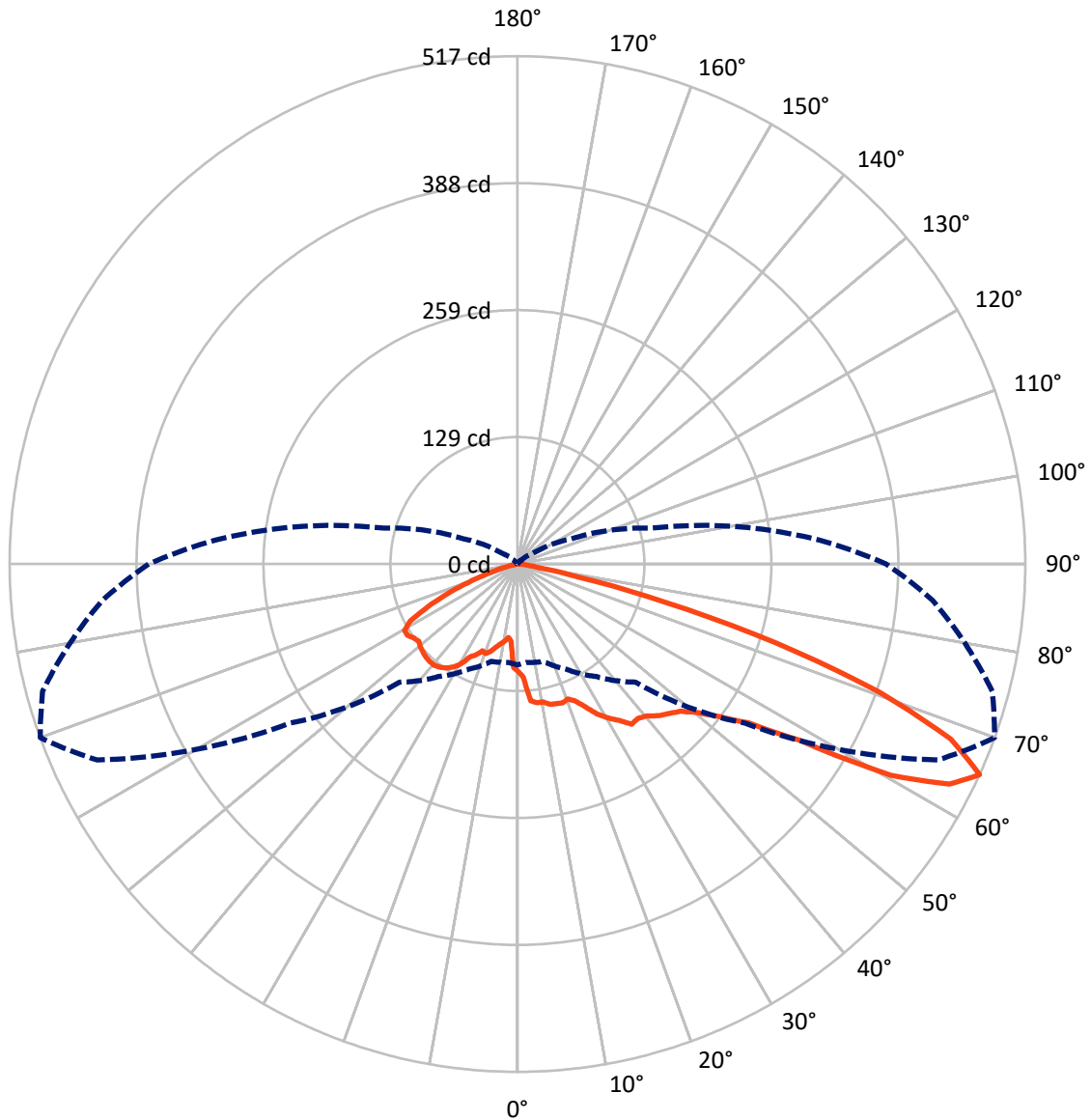
× Max cd
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 17.1 fc
 Type II - Short - N/A

REPORT NUMBER: P394709
CATALOG NUMBER: 303-B1-LEDB1-4000-UNV-T2-DIM10

Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P394709

CATALOG NUMBER: 303-B1-LEDB1-4000-UNV-T2-DIM10

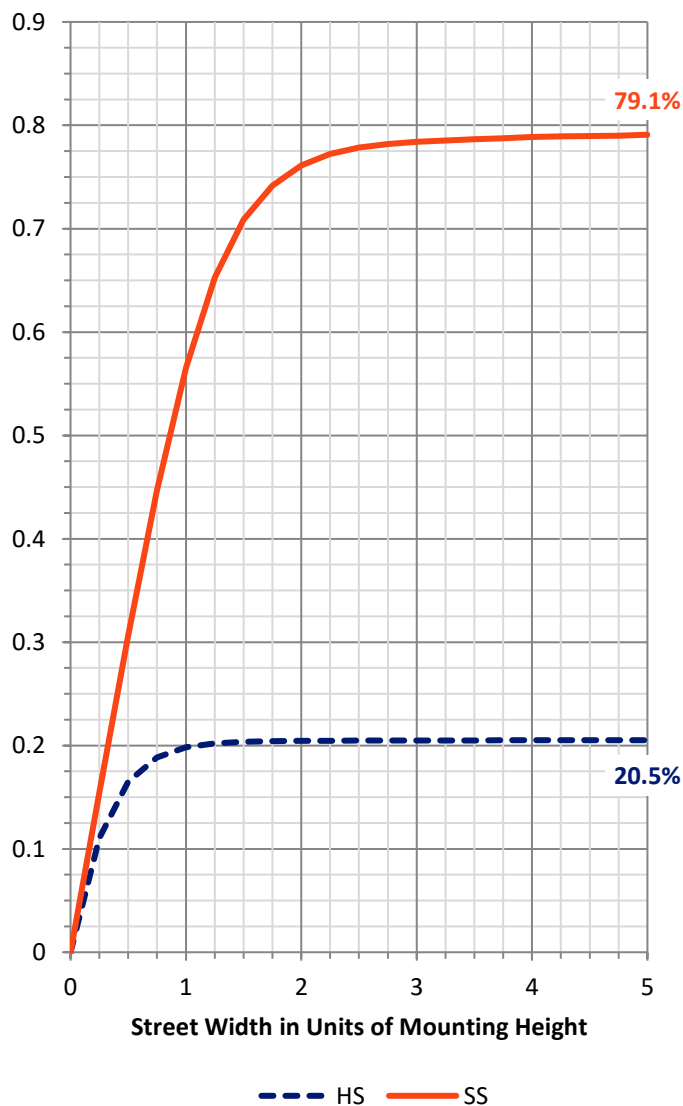
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	126.9	0.0	126.9
	% Fixture	20.7	0.0	20.7
Street Side	Lumens	486.2	0.0	486.2
	% Fixture	79.3	0.0	79.3
Total	Lumens	613.1	0.0	613.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.2	1.5
10°-20°	27.4	4.5
20°-30°	49.1	8.0
30°-40°	77.6	12.7
40°-50°	109.3	17.8
50°-60°	143.2	23.4
60°-70°	148.6	24.2
70°-80°	44.7	7.3
80°-90°	4.0	0.6
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°	613.1	100.0
0°-180°	613.1	100.0

Coefficient of Utilization



REPORT NUMBER: P394709

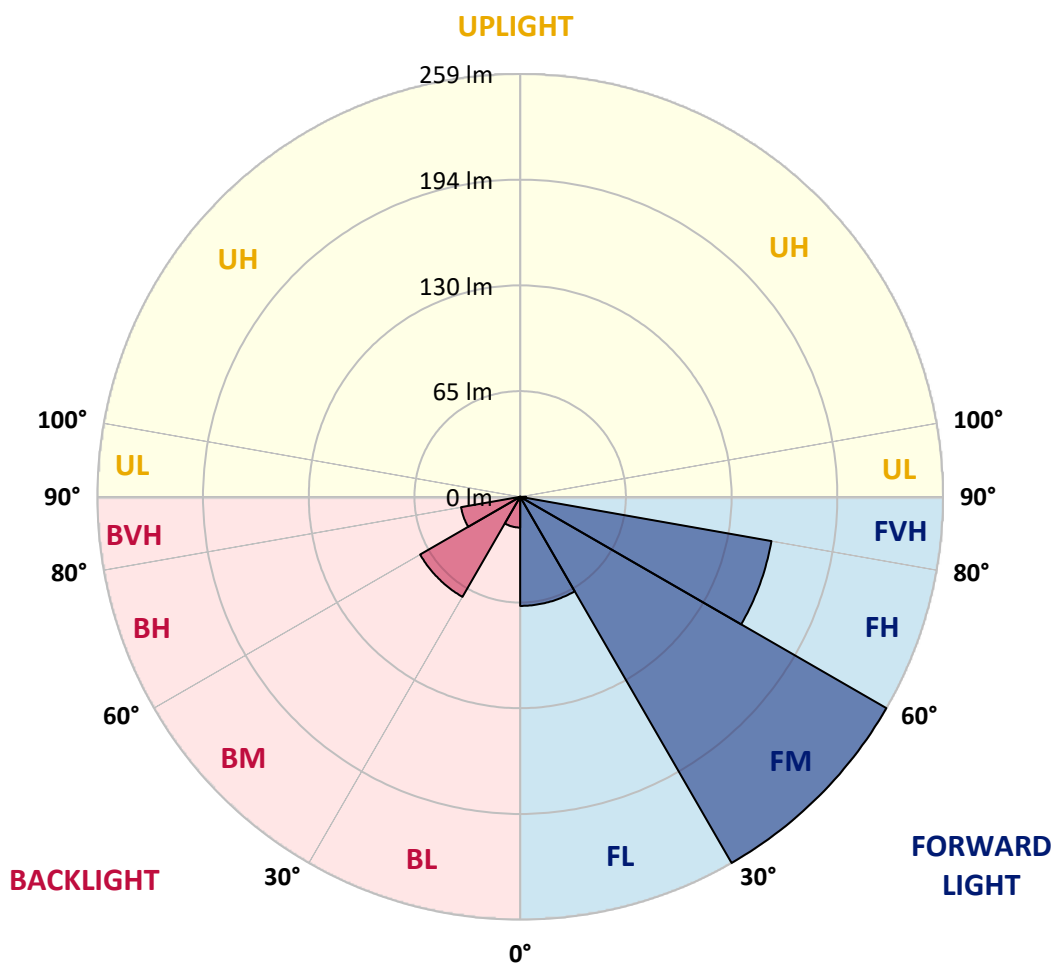
CATALOG NUMBER: 303-B1-LEDB1-4000-UNV-T2-DIM10

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	66.9	10.9			
FM (30°-60°)	259.3	42.3			
FH (60°-80°)	156.5	25.5			G0/660
FVH (80°-90°)	3.6	0.6			G0/10
BL (0°-30°)	18.8	3.1	B0/110		
BM (30°-60°)	70.8	11.6	B0/220		
BH (60°-80°)	36.8	6.0	B0/110		G0/110
BVH (80°-90°)	0.4	0.1			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 Short





REPORT NUMBER: P394709

CATALOG NUMBER: 303-B1-LEDB1-4000-UNV-T2-DIM10

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	109.5	109.5	109.5	109.5	109.5	109.5	109.5	109.5	109.5	109.5	109.5
2.5°	173.1	164.3	162.4	163.3	156.5	153.6	144.8	122.3	115.4	111.5	109.5
5°	178.0	176.1	178.0	180.9	179.0	177.0	165.3	148.7	139.9	132.0	111.5
7.5°	153.6	154.5	155.5	161.4	168.2	172.1	161.4	149.6	142.8	132.0	114.4
10°	160.4	157.5	157.5	155.5	152.6	152.6	158.5	150.6	142.8	135.0	117.4
12.5°	162.4	158.5	163.3	165.3	166.3	153.6	149.6	152.6	146.7	137.9	121.3
15°	162.4	156.5	157.5	163.3	165.3	164.3	150.6	144.8	147.7	140.8	126.2
17.5°	161.4	153.6	155.5	159.4	159.4	169.2	160.4	142.8	148.7	144.8	132.0
20°	161.4	160.4	159.4	158.5	158.5	163.3	163.3	150.6	146.7	150.6	137.9
22.5°	166.3	161.4	162.4	163.3	159.4	164.3	165.3	162.4	151.6	151.6	144.8
25°	162.4	161.4	161.4	165.3	168.2	168.2	167.3	169.2	161.4	154.5	152.6
27.5°	165.3	164.3	164.3	166.3	170.2	176.1	171.2	177.0	173.1	162.4	159.4
30°	168.2	166.3	168.2	171.2	175.1	180.0	177.0	181.9	181.9	170.2	167.3
32.5°	180.9	171.2	172.1	176.1	181.9	187.8	185.8	185.8	189.8	181.9	174.1
35°	183.9	178.0	180.0	184.9	190.7	196.6	196.6	195.6	200.5	192.7	181.9
37.5°	186.8	186.8	186.8	195.6	199.5	206.4	202.5	200.5	199.5	194.6	183.9
40°	195.6	195.6	196.6	203.4	209.3	216.2	210.3	204.4	203.4	200.5	193.7
42.5°	206.4	205.4	209.3	212.2	221.1	226.9	224.0	214.2	211.3	204.4	201.5
45°	218.1	212.2	212.2	224.0	230.8	238.7	236.7	221.1	217.1	212.2	210.3
47.5°	215.2	215.2	214.2	226.9	237.7	250.4	253.3	231.8	224.0	217.1	217.1
50°	216.2	215.2	219.1	227.9	244.5	259.2	266.0	249.4	237.7	230.8	222.0
52.5°	211.3	215.2	213.2	228.9	244.5	265.1	276.8	270.0	258.2	252.4	235.7
55°	192.7	192.7	200.5	220.1	245.5	268.0	292.5	291.5	285.6	276.8	265.1
57.5°	176.1	173.1	176.1	193.7	231.8	269.0	313.0	342.3	338.4	330.6	334.5
60°	146.7	141.8	151.6	171.2	209.3	258.2	325.7	418.6	437.2	424.5	415.7
62.5°	125.2	126.2	130.1	145.7	172.1	219.1	317.9	460.7	493.9	485.1	442.1
65°	102.7	100.7	102.7	118.4	139.9	170.2	282.7	472.4	517.4	500.8	424.5
67.5°	59.7	58.7	61.6	75.3	101.7	124.2	213.2	431.3	476.3	464.6	377.5
70°	30.3	31.3	32.3	37.2	55.8	85.1	142.8	341.4	391.2	400.0	296.4
72.5°	23.5	22.5	23.5	24.5	30.3	49.9	96.8	236.7	275.8	280.7	202.5
75°	16.6	16.6	17.6	17.6	18.6	24.5	71.4	141.8	154.5	143.8	82.2
77.5°	13.7	13.7	12.7	12.7	12.7	14.7	44.0	65.5	62.6	59.7	23.5
80°	10.8	10.8	10.8	10.8	10.8	10.8	19.6	27.4	21.5	24.5	10.8
82.5°	8.8	8.8	8.8	7.8	7.8	7.8	8.8	11.7	10.8	14.7	5.9
85°	7.8	6.8	6.8	6.8	6.8	5.9	5.9	4.9	4.9	4.9	2.0
87.5°	6.8	6.8	6.8	5.9	5.9	4.9	3.9	2.9	2.9	2.0	1.0
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: P394709

CATALOG NUMBER: 303-B1-LEDB1-4000-UNV-T2-DIM10

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	109.5	109.5	109.5	109.5	109.5	109.5	109.5	109.5	109.5	109.5	109.5
2.5°	110.5	108.6	108.6	102.7	70.4	51.8	48.9	46.9	43.0	39.1	38.1
5°	111.5	110.5	92.9	65.5	36.2	11.7	2.0	0.0	0.0	0.0	0.0
7.5°	112.5	112.5	91.9	58.7	37.2	13.7	2.0	0.0	0.0	0.0	0.0
10°	116.4	115.4	94.9	64.6	33.3	15.6	1.0	0.0	0.0	0.0	0.0
12.5°	120.3	121.3	99.8	66.5	39.1	16.6	1.0	0.0	0.0	0.0	0.0
15°	124.2	126.2	105.6	69.4	42.1	16.6	1.0	0.0	0.0	0.0	0.0
17.5°	130.1	132.0	112.5	73.4	45.0	17.6	1.0	0.0	0.0	0.0	0.0
20°	136.9	138.9	117.4	76.3	48.9	18.6	1.0	0.0	0.0	0.0	0.0
22.5°	144.8	147.7	110.5	80.2	44.0	18.6	1.0	0.0	0.0	0.0	0.0
25°	151.6	153.6	117.4	86.1	43.0	19.6	1.0	0.0	0.0	0.0	0.0
27.5°	158.5	161.4	128.1	84.1	55.8	20.5	1.0	0.0	0.0	0.0	0.0
30°	167.3	170.2	138.9	94.9	58.7	20.5	1.0	0.0	0.0	0.0	0.0
32.5°	177.0	178.0	149.6	97.8	62.6	20.5	0.0	0.0	0.0	0.0	0.0
35°	183.9	185.8	155.5	101.7	62.6	20.5	0.0	0.0	0.0	0.0	0.0
37.5°	189.8	191.7	159.4	103.7	62.6	20.5	0.0	0.0	0.0	0.0	0.0
40°	195.6	199.5	162.4	104.7	61.6	19.6	0.0	0.0	0.0	0.0	0.0
42.5°	203.4	205.4	162.4	104.7	56.7	9.8	0.0	0.0	0.0	0.0	0.0
45°	210.3	209.3	163.3	102.7	55.8	18.6	1.0	0.0	0.0	0.0	0.0
47.5°	218.1	214.2	163.3	99.8	46.0	18.6	1.0	0.0	0.0	0.0	0.0
50°	225.9	218.1	162.4	97.8	50.9	16.6	1.0	0.0	0.0	0.0	0.0
52.5°	237.7	225.0	161.4	93.9	47.9	15.6	1.0	0.0	0.0	0.0	0.0
55°	268.0	250.4	166.3	92.9	44.0	13.7	1.0	0.0	0.0	0.0	0.0
57.5°	321.8	288.5	174.1	92.9	39.1	11.7	0.0	0.0	0.0	0.0	0.0
60°	375.6	326.7	178.0	89.0	32.3	9.8	0.0	0.0	0.0	0.0	0.0
62.5°	396.1	330.6	166.3	80.2	25.4	7.8	0.0	0.0	0.0	0.0	0.0
65°	375.6	301.3	140.8	60.6	18.6	5.9	0.0	0.0	0.0	0.0	0.0
67.5°	327.7	264.1	111.5	44.0	13.7	4.9	0.0	0.0	0.0	0.0	0.0
70°	260.2	209.3	78.2	28.4	8.8	2.9	0.0	0.0	0.0	0.0	0.0
72.5°	165.3	137.9	46.9	16.6	5.9	2.0	0.0	0.0	0.0	0.0	0.0
75°	59.7	56.7	23.5	9.8	3.9	1.0	0.0	0.0	0.0	0.0	0.0
77.5°	19.6	17.6	9.8	4.9	2.0	1.0	0.0	0.0	0.0	0.0	0.0
80°	8.8	7.8	4.9	2.9	2.0	1.0	0.0	0.0	0.0	0.0	0.0
82.5°	4.9	4.9	2.9	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.0	2.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)