

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: P394727

Luminaire Tested: **303-B1-LEDB1-4000-UNV-T4-DIM10**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: P394727
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2001-660-2)
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-T4-DIM10
Description: LUMIERE EON LED LUMINAIRE
BOLLARD, SINGLE HEAD, ONE LIGHTBAR, TYPE 4
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 638.3 lumens
Efficiency: N/A
Efficacy: 76.0 lumens/watt
Luminous Opening: Rectangular (W 0.38' x L: 0.21' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G0

Input Watts (W): 8.4
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

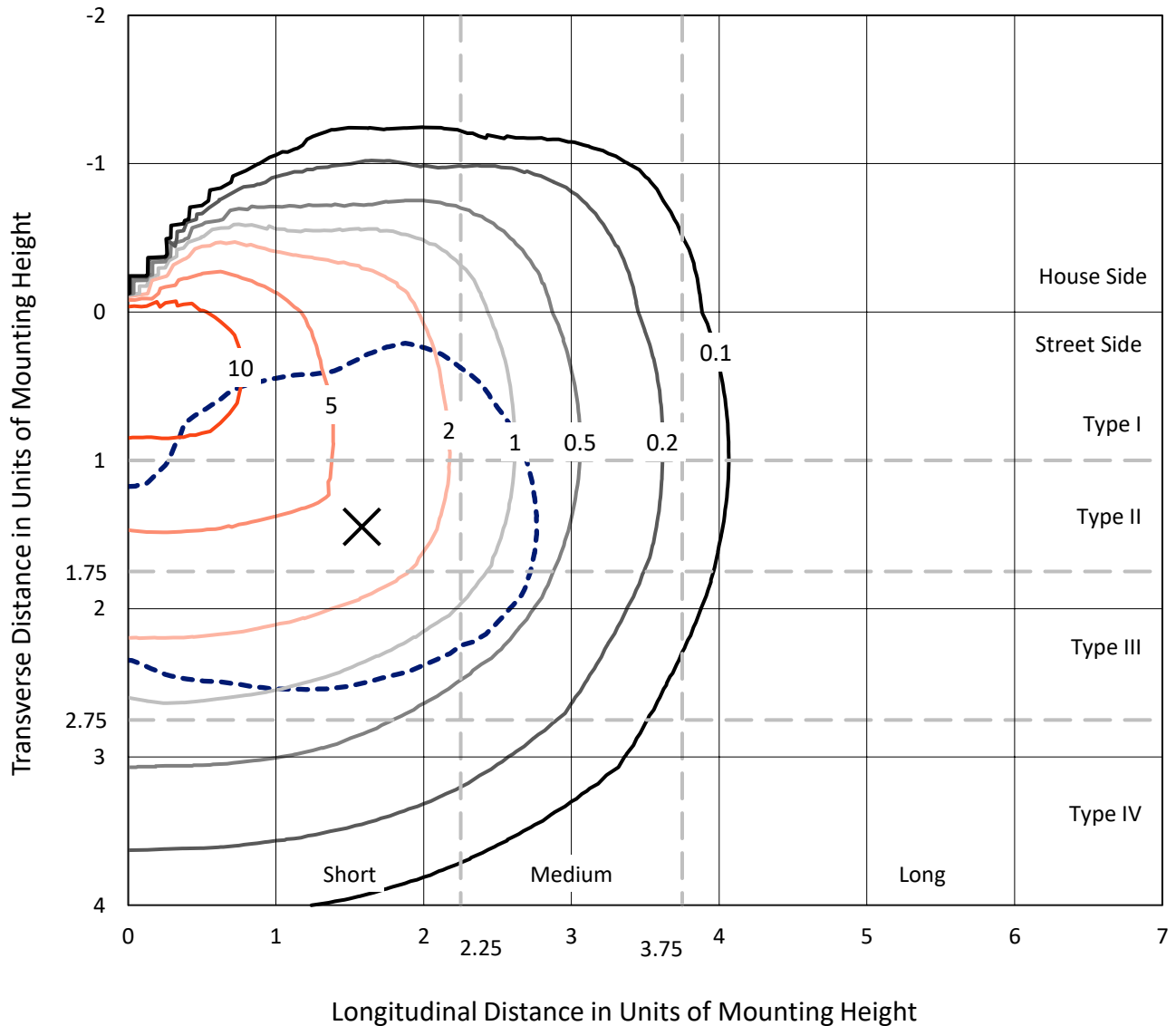


REPORT NUMBER: P394727

CATALOG NUMBER: 303-B1-LEDB1-4000-UNV-T4-DIM10

Iso-Footcandle Lines of Horizontal Illumination

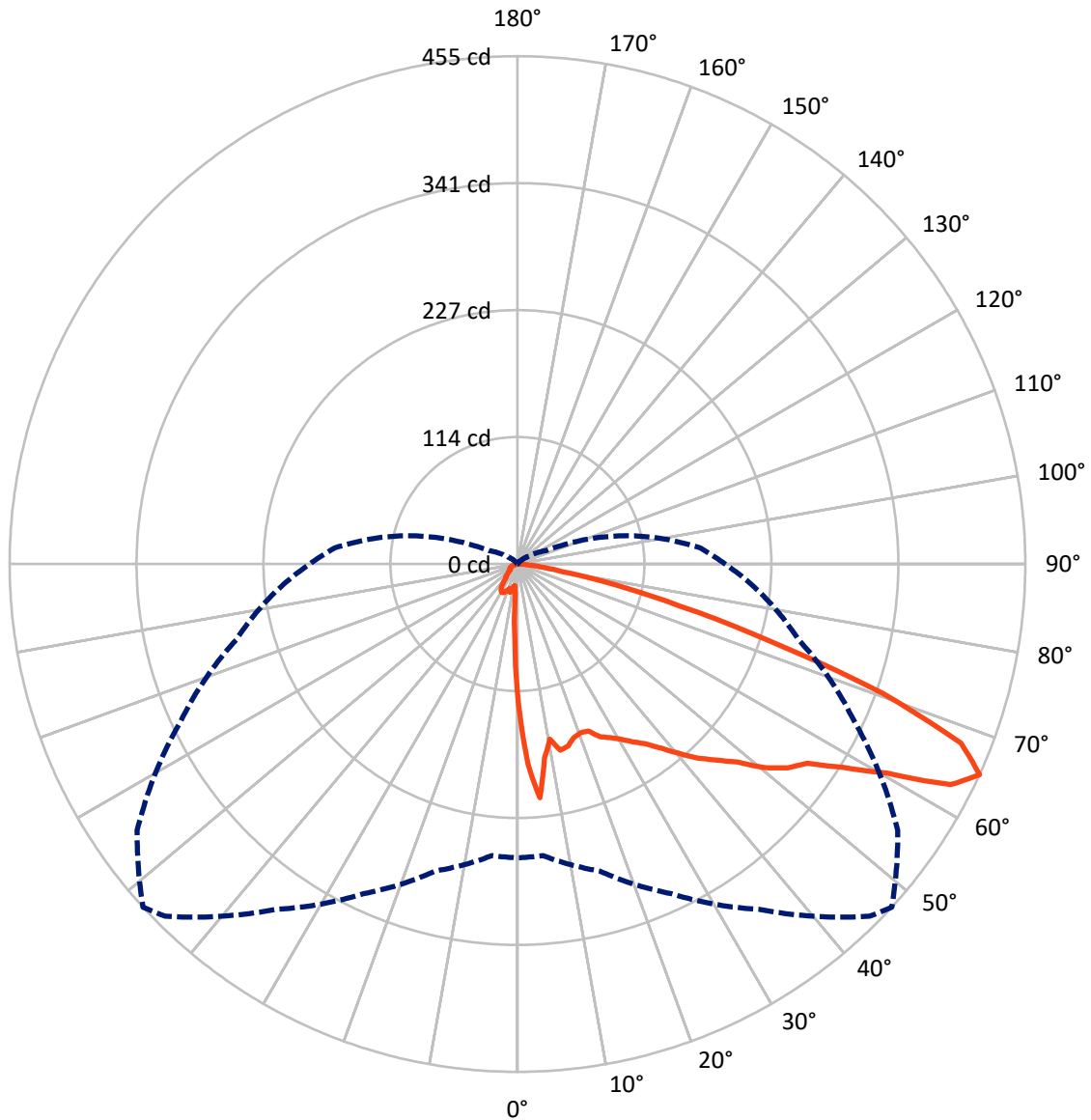
✕ Max cd
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 19.3 fc
 Type III - Short - N/A

REPORT NUMBER: P394727
CATALOG NUMBER: 303-B1-LEDB1-4000-UNV-T4-DIM10

Luminous Intensity Polar Plot



— Vertical Plane Through 47.5-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P394727

CATALOG NUMBER: 303-B1-LEDB1-4000-UNV-T4-DIM10

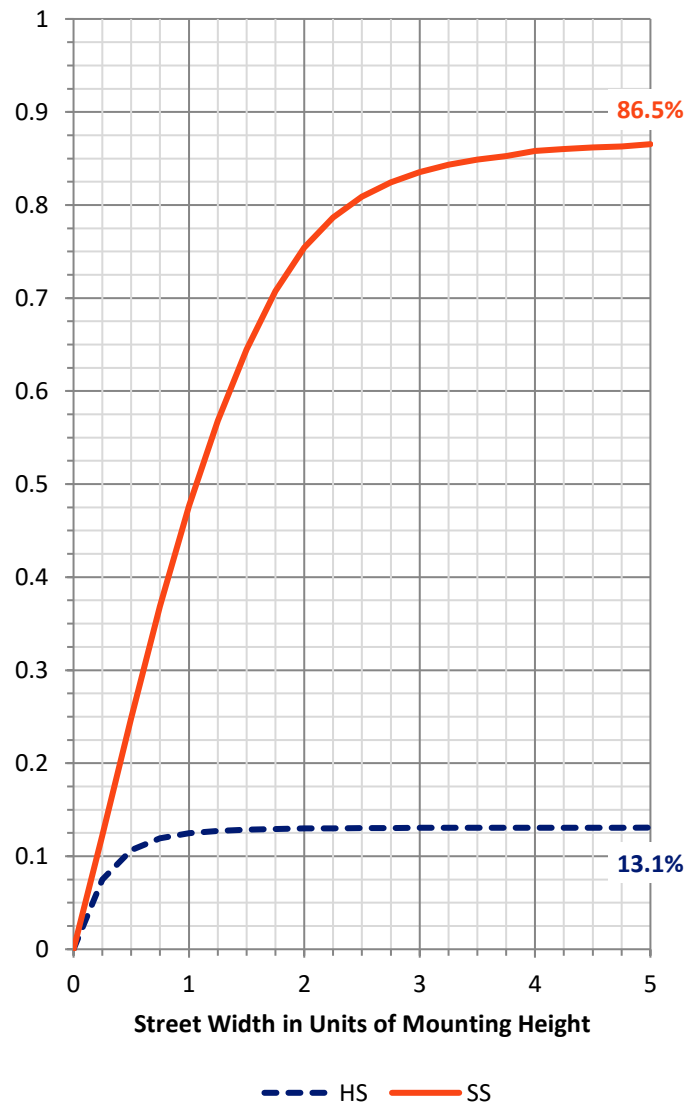
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	84.2	0.0	84.2
	% Fixture	13.2	0.0	13.2
Street Side	Lumens	554.1	0.0	554.1
	% Fixture	86.8	0.0	86.8
Total	Lumens	638.3	0.0	638.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.4	1.6
10°-20°	27.9	4.4
20°-30°	47.0	7.4
30°-40°	72.5	11.4
40°-50°	99.2	15.5
50°-60°	134.6	21.1
60°-70°	167.8	26.3
70°-80°	72.9	11.4
80°-90°	6.1	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°	638.3	100.0
0°-180°	638.3	100.0



REPORT NUMBER: P394727

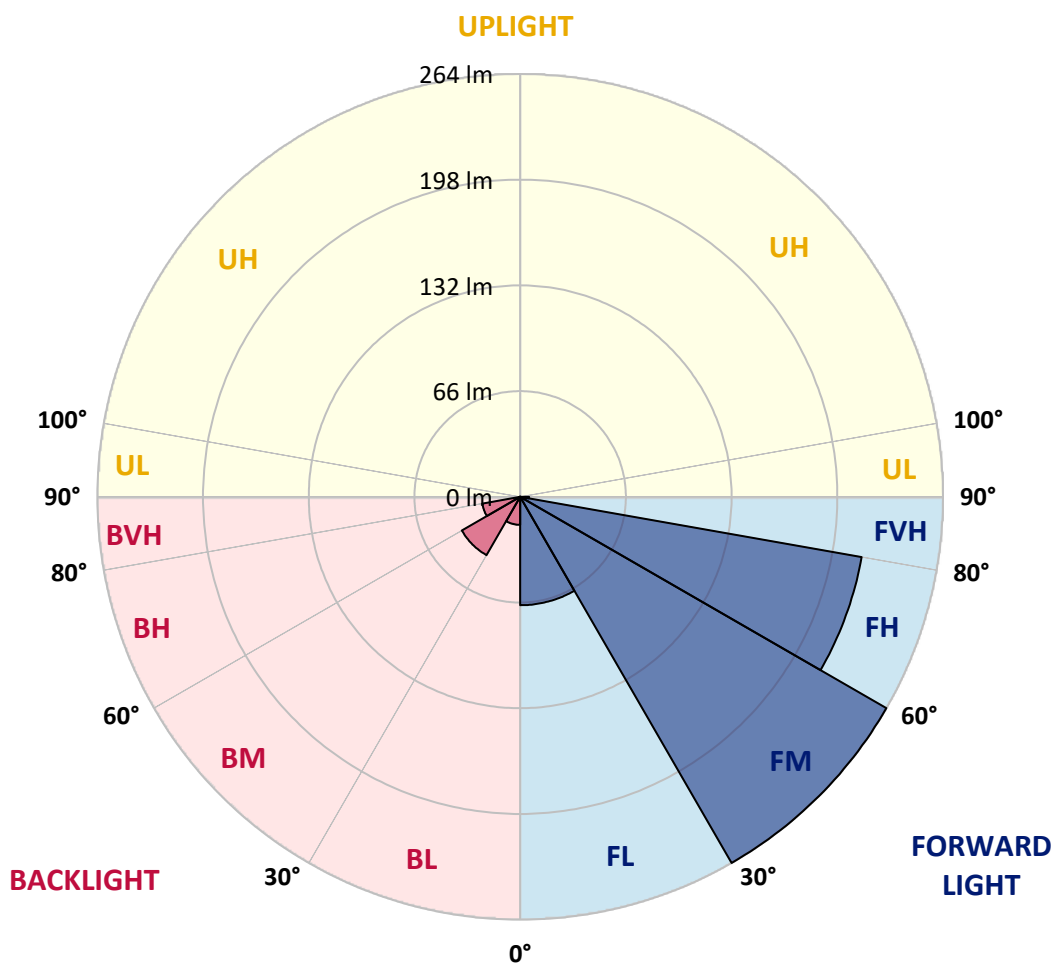
CATALOG NUMBER: 303-B1-LEDB1-4000-UNV-T4-DIM10

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	67.7	10.6			
FM (30°-60°)	264.2	41.4			
FH (60°-80°)	216.6	33.9			G0/660
FVH (80°-90°)	5.6	0.9			G0/10
BL (0°-30°)	17.5	2.7	B0/110		
BM (30°-60°)	42.1	6.6	B0/220		
BH (60°-80°)	24.1	3.8	B0/110		G0/110
BVH (80°-90°)	0.5	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 III Short





REPORT NUMBER: P394727

CATALOG NUMBER: 303-B1-LEDB1-4000-UNV-T4-DIM10

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47.5°	55°	65°	75°	85°
0°	126.2	126.2	126.2	126.2	126.2	126.2	126.2	126.2	126.2	126.2	126.2
2.5°	198.6	195.6	195.6	188.8	186.8	180.9	179.0	174.1	148.7	130.1	126.2
5°	184.9	186.8	192.7	197.6	211.3	210.3	210.3	192.7	171.2	158.5	129.1
7.5°	176.1	175.1	169.2	166.3	166.3	173.1	175.1	186.8	171.2	154.5	131.1
10°	179.0	178.0	178.0	179.0	176.1	162.4	159.4	155.5	166.3	149.6	128.1
12.5°	163.3	160.4	164.3	167.3	176.1	168.2	171.2	156.5	147.7	149.6	129.1
15°	161.4	160.4	159.4	159.4	162.4	167.3	169.2	164.3	139.9	147.7	128.1
17.5°	167.3	165.3	163.3	160.4	159.4	160.4	163.3	161.4	145.7	141.8	127.2
20°	172.1	168.2	166.3	165.3	163.3	156.5	161.4	159.4	150.6	134.0	128.1
22.5°	172.1	169.2	170.2	168.2	171.2	164.3	162.4	159.4	154.5	135.0	129.1
25°	174.1	172.1	171.2	172.1	172.1	168.2	171.2	162.4	157.5	138.9	129.1
27.5°	176.1	173.1	175.1	176.1	178.0	172.1	176.1	169.2	160.4	147.7	136.9
30°	180.0	178.0	180.9	181.9	180.9	177.0	181.9	175.1	168.2	155.5	139.9
32.5°	186.8	182.9	190.7	190.7	187.8	185.8	189.8	181.9	177.0	163.3	147.7
35°	194.6	193.7	196.6	201.5	202.5	193.7	197.6	192.7	185.8	174.1	157.5
37.5°	200.5	197.6	202.5	210.3	213.2	206.4	209.3	201.5	192.7	182.9	162.4
40°	203.4	201.5	210.3	222.0	226.9	221.1	223.0	214.2	200.5	183.9	166.3
42.5°	204.4	202.5	216.2	227.9	238.7	233.8	237.7	226.9	209.3	187.8	166.3
45°	208.3	210.3	220.1	232.8	248.4	248.4	250.4	237.7	217.1	192.7	169.2
47.5°	218.1	217.1	225.9	240.6	261.2	263.1	265.1	247.5	225.9	196.6	172.1
50°	221.1	224.0	235.7	248.4	269.0	278.8	286.6	265.1	236.7	203.4	178.0
52.5°	236.7	232.8	244.5	259.2	281.7	294.4	303.2	279.7	246.5	208.3	183.9
55°	241.6	252.4	260.2	275.8	299.3	314.0	314.9	295.4	258.2	217.1	191.7
57.5°	270.9	269.0	279.7	295.4	312.0	337.4	343.3	316.9	278.8	232.8	200.5
60°	287.6	284.6	303.2	324.7	350.2	379.5	380.5	347.2	301.3	249.4	211.3
62.5°	290.5	290.5	307.1	337.4	385.4	429.4	435.3	391.2	331.6	265.1	218.1
65°	263.1	262.1	284.6	325.7	377.5	446.0	454.8	415.7	332.6	260.2	210.3
67.5°	211.3	225.9	244.5	277.8	331.6	411.8	428.4	394.2	315.9	244.5	191.7
70°	181.9	195.6	204.4	230.8	267.0	326.7	347.2	337.4	269.0	209.3	161.4
72.5°	141.8	137.9	156.5	180.9	199.5	225.0	236.7	245.5	205.4	164.3	122.3
75°	87.1	88.0	96.8	114.4	135.0	146.7	150.6	140.8	133.0	105.6	80.2
77.5°	46.0	46.9	52.8	61.6	72.4	86.1	89.0	78.2	67.5	54.8	39.1
80°	27.4	27.4	30.3	33.3	39.1	39.1	39.1	39.1	29.3	26.4	14.7
82.5°	12.7	14.7	15.6	16.6	19.6	21.5	21.5	16.6	13.7	10.8	5.9
85°	7.8	7.8	7.8	7.8	7.8	8.8	8.8	6.8	5.9	4.9	2.0
87.5°	5.9	5.9	5.9	5.9	4.9	4.9	3.9	3.9	2.9	1.0	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: P394727

CATALOG NUMBER: 303-B1-LEDB1-4000-UNV-T4-DIM10

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	126.2	126.2	126.2	126.2	126.2	126.2	126.2	126.2	126.2	126.2	126.2
2.5°	125.2	125.2	124.2	122.3	75.3	66.5	55.8	49.9	47.9	45.0	46.9
5°	128.1	127.2	109.5	77.3	44.0	19.6	7.8	1.0	0.0	0.0	0.0
7.5°	128.1	128.1	103.7	70.4	40.1	12.7	2.9	0.0	0.0	0.0	0.0
10°	129.1	127.2	103.7	70.4	35.2	15.6	2.0	0.0	0.0	0.0	0.0
12.5°	129.1	127.2	102.7	71.4	42.1	18.6	2.0	0.0	0.0	0.0	0.0
15°	129.1	128.1	103.7	72.4	46.0	19.6	1.0	0.0	0.0	0.0	0.0
17.5°	126.2	126.2	103.7	74.3	46.9	14.7	1.0	0.0	0.0	0.0	0.0
20°	127.2	125.2	93.9	74.3	44.0	17.6	1.0	0.0	0.0	0.0	0.0
22.5°	125.2	123.2	92.9	75.3	42.1	20.5	1.0	0.0	0.0	0.0	0.0
25°	126.2	123.2	95.9	76.3	49.9	20.5	1.0	0.0	0.0	0.0	0.0
27.5°	129.1	127.2	102.7	75.3	53.8	20.5	1.0	0.0	0.0	0.0	0.0
30°	134.0	130.1	102.7	71.4	53.8	20.5	1.0	0.0	0.0	0.0	0.0
32.5°	140.8	135.0	105.6	77.3	51.8	19.6	1.0	0.0	0.0	0.0	0.0
35°	147.7	137.9	103.7	73.4	47.9	17.6	1.0	0.0	0.0	0.0	0.0
37.5°	150.6	139.9	101.7	69.4	43.0	14.7	1.0	0.0	0.0	0.0	0.0
40°	152.6	140.8	99.8	62.6	37.2	9.8	1.0	0.0	0.0	0.0	0.0
42.5°	153.6	139.9	94.9	55.8	31.3	9.8	1.0	0.0	0.0	0.0	0.0
45°	155.5	141.8	89.0	49.9	25.4	9.8	1.0	0.0	0.0	0.0	0.0
47.5°	159.4	140.8	86.1	43.0	20.5	7.8	1.0	0.0	0.0	0.0	0.0
50°	164.3	141.8	85.1	38.1	17.6	6.8	1.0	0.0	0.0	0.0	0.0
52.5°	170.2	145.7	86.1	35.2	15.6	5.9	1.0	0.0	0.0	0.0	0.0
55°	174.1	153.6	87.1	33.3	14.7	5.9	1.0	0.0	0.0	0.0	0.0
57.5°	182.9	159.4	91.9	32.3	13.7	4.9	0.0	0.0	0.0	0.0	0.0
60°	192.7	167.3	96.8	31.3	13.7	5.9	0.0	0.0	0.0	0.0	0.0
62.5°	193.7	173.1	97.8	31.3	12.7	5.9	0.0	0.0	0.0	0.0	0.0
65°	185.8	164.3	97.8	28.4	11.7	4.9	0.0	0.0	0.0	0.0	0.0
67.5°	165.3	147.7	88.0	25.4	9.8	4.9	1.0	0.0	0.0	0.0	0.0
70°	136.9	121.3	76.3	21.5	8.8	3.9	1.0	0.0	0.0	0.0	0.0
72.5°	103.7	93.9	61.6	16.6	6.8	2.9	1.0	0.0	0.0	0.0	0.0
75°	65.5	60.6	44.0	11.7	5.9	2.0	1.0	0.0	0.0	0.0	0.0
77.5°	32.3	34.2	24.5	8.8	3.9	2.0	0.0	0.0	0.0	0.0	0.0
80°	9.8	10.8	10.8	4.9	2.9	1.0	0.0	0.0	0.0	0.0	0.0
82.5°	4.9	4.9	3.9	2.9	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)