

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: LUMARK

Report Number: P232926

Luminaire Tested: **NFFLD-C55-D-UNV-66-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P232926  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1708-236-6)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMARK  
Catalog Number: NFFLD-C55-D-UNV-66-7030  
Description: LED FLOOD LIGHT LUMINAIRE  
Light Source: (2) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 19620.1 lumens  
Efficiency: N/A  
Efficacy: 135.3 lumens/watt  
Luminous Opening: (L: 0 ' x W: 1 ' x H: 0.67 '  
IES Classification: Type I - Short - Full Cutoff  
BUG Rating: B4 - U0 - G2

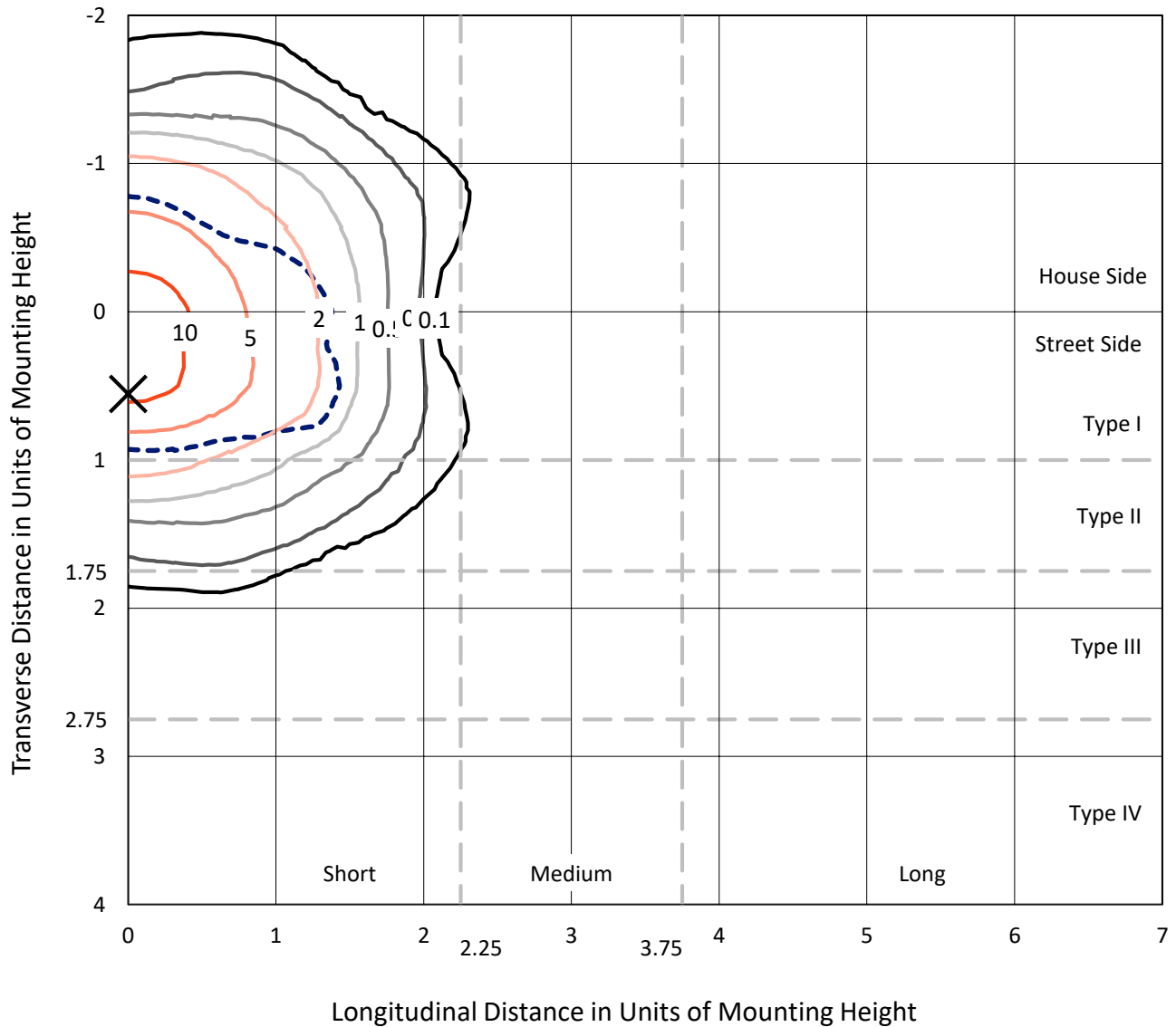
Input Watts (W): 145  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



REPORT NUMBER: P232926  
 CATALOG NUMBER: NFFLD-C55-D-UNV-66-7030

### Iso-Footcandle Lines of Horizontal Illumination

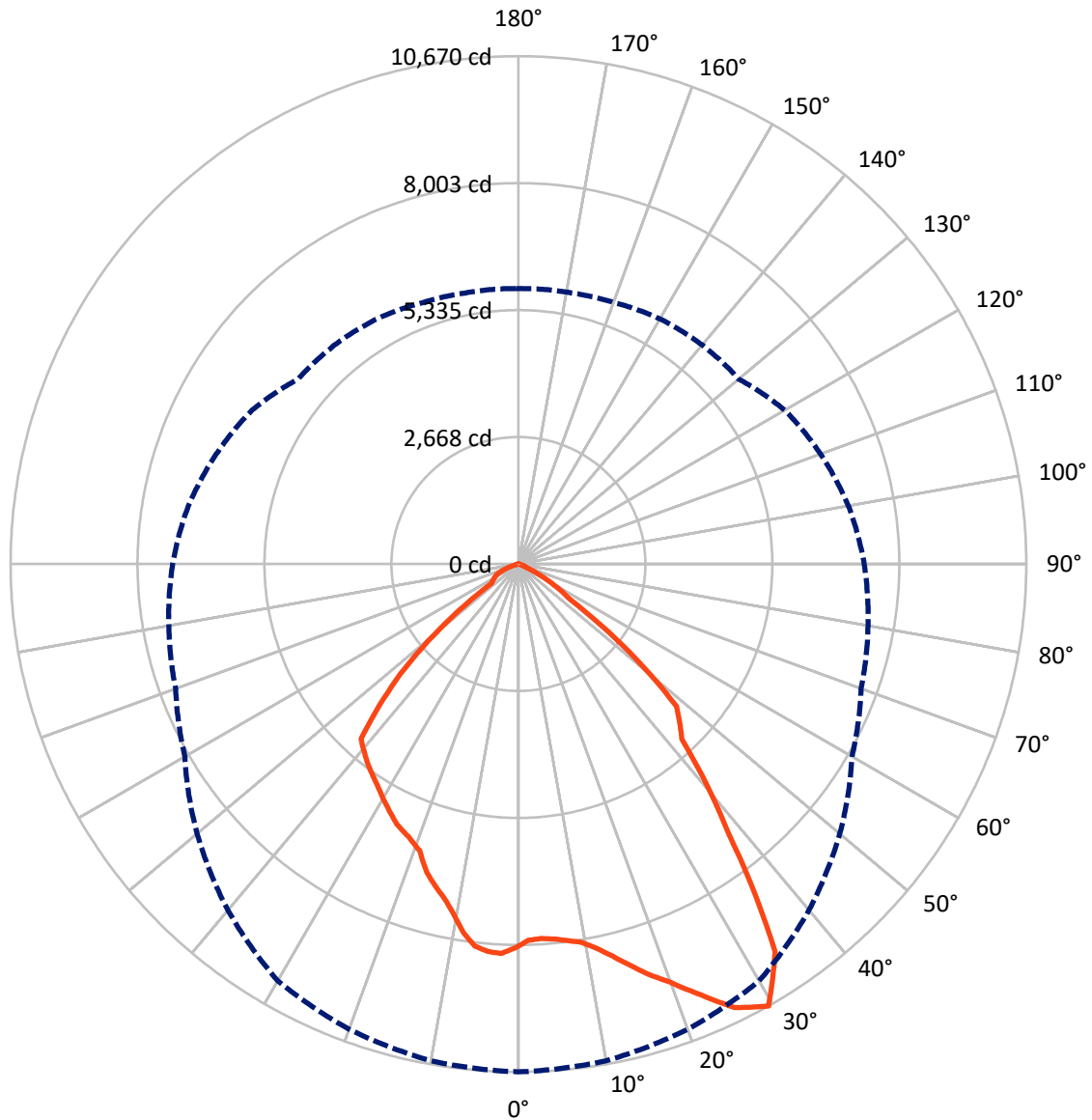
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.8 fc  
 Type I - Short - Full Cutoff

REPORT NUMBER: P232926  
CATALOG NUMBER: NFFLD-C55-D-UNV-66-7030

### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 29-Deg Vertical

REPORT NUMBER: P232926

CATALOG NUMBER: NFFLD-C55-D-UNV-66-7030

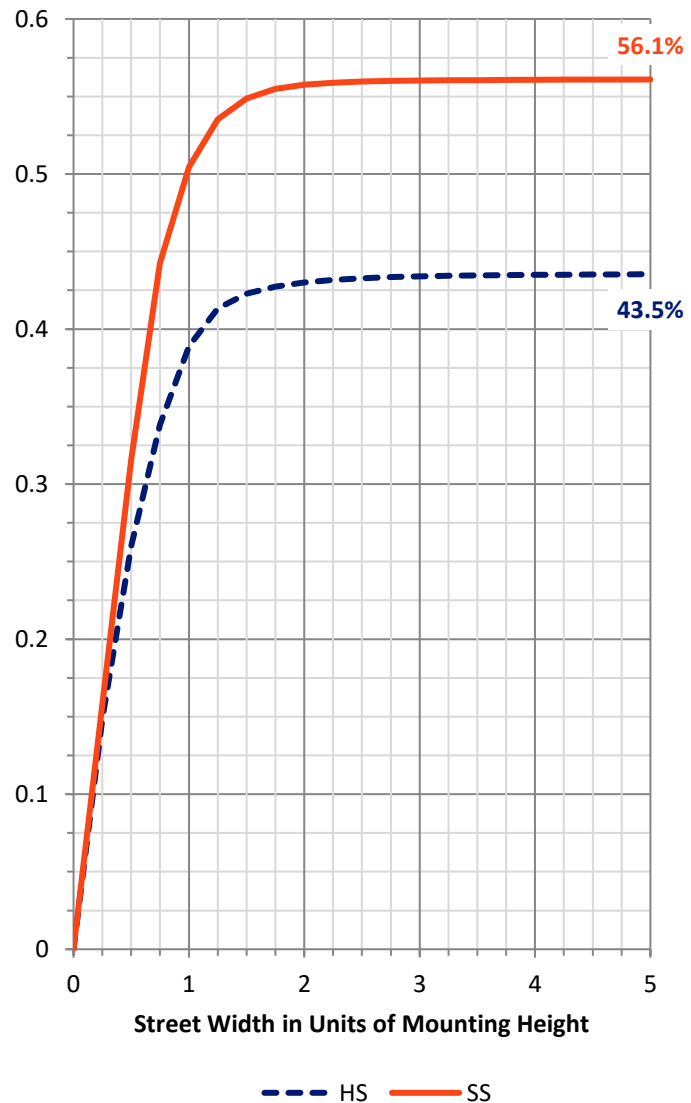
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8616.8	0.0	8616.8
	% Fixture	43.9	0.0	43.9
<b>Street Side</b>	Lumens	11003.3	0.0	11003.3
	% Fixture	56.1	0.0	56.1
<b>Total</b>	Lumens	19620.1	0.0	19620.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	763.6	3.9
10°-20°	2220.1	11.3
20°-30°	3576.1	18.2
30°-40°	4427.8	22.6
40°-50°	4333.7	22.1
50°-60°	3020.3	15.4
60°-70°	1263.7	6.4
70°-80°	266.6	1.4
80°-90°	32.7	0.2
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°	19620.1	100.0
0°-180°	19620.1	100.0



REPORT NUMBER: P232926

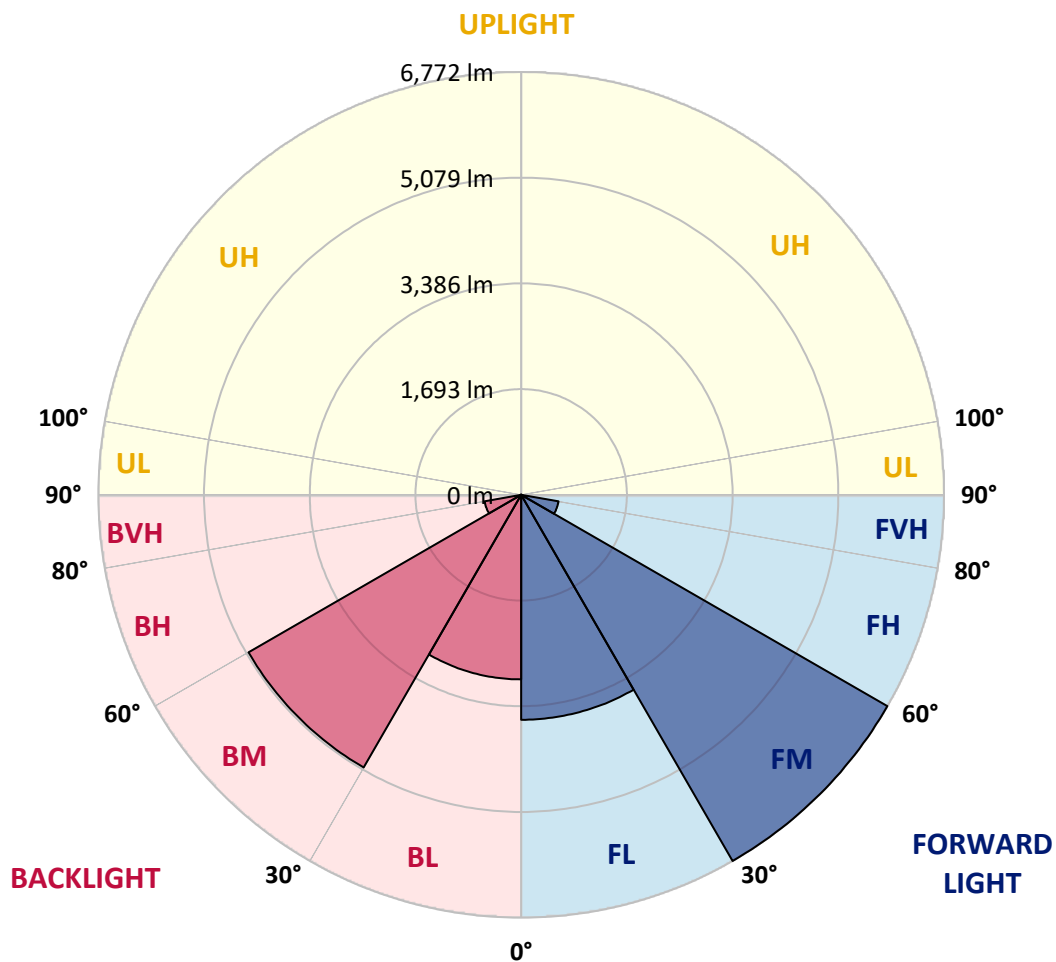
CATALOG NUMBER: NFFLD-C55-D-UNV-66-7030

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3603.0	18.4			
FM	(30°-60°)	6772.0	34.5			
FH	(60°-80°)	607.1	3.1			G0/660
FVH	(80°-90°)	12.1	0.1			G1/100
BL	(0°-30°)	2955.1	15.1	B4/5000		
BM	(30°-60°)	5042.4	25.7	B4/8500		
BH	(60°-80°)	595.3	3.0	B2/1000		G2/1000
BVH	(80°-90°)	16.7	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type I Short





REPORT NUMBER: P232926

CATALOG NUMBER: NFFLD-C55-D-UNV-66-7030

**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	7987.4	7987.4	7987.4	7987.4	7987.4	7987.4	7987.4	7987.4	7987.4	7987.4	7987.4
1°	7908.6	7912.1	7917.8	7925.3	7934.3	7944.5	7955.6	7967.2	7979.2	7991.3	8004.3
3°	7881.4	7888.1	7895.6	7899.0	7904.4	7911.8	7920.9	7931.4	7967.6	8005.9	8042.7
5°	7916.4	7910.6	7907.3	7903.3	7898.8	7896.4	7908.2	7927.3	7953.1	8013.7	8075.2
7°	7979.6	7974.6	7957.4	7938.0	7916.0	7900.5	7893.1	7906.2	7941.4	8019.5	8083.3
9°	8058.5	8054.8	8027.9	7995.5	7948.4	7907.4	7875.2	7874.2	7927.1	8015.7	8070.5
11°	8236.6	8202.2	8153.7	8080.1	7989.1	7922.8	7868.3	7866.3	7919.7	8013.7	8043.3
13°	8473.0	8429.2	8356.4	8217.8	8071.6	7951.9	7884.0	7863.5	7924.8	7998.1	8013.2
15°	8741.6	8686.1	8599.4	8411.2	8192.7	8008.4	7906.5	7881.0	7948.1	8011.8	7964.1
17°	9029.6	8990.2	8853.7	8618.7	8357.1	8100.9	7928.2	7909.3	7978.3	8054.6	7902.9
19.5°	9353.7	9301.1	9153.7	8907.0	8574.2	8261.7	7979.6	7920.6	7973.5	8127.6	7796.7
22.5°	9838.3	9741.2	9520.9	9213.6	8862.4	8432.4	8038.5	7857.9	7848.2	7808.4	7570.8
25.5°	10368.7	10245.1	9977.6	9579.1	9153.6	8656.9	8082.1	7733.1	7690.0	7581.6	7340.0
29°	10670.3	10598.7	10401.4	10113.8	9495.4	8814.0	8092.6	7663.1	7458.0	7265.4	7040.5
33°	9771.2	9875.9	10044.4	10299.1	9771.7	8888.6	8120.5	7667.3	7184.6	6796.3	6592.2
37.5°	7143.7	7398.8	8060.7	9067.2	9462.8	9048.2	8168.9	7698.7	6967.9	6555.0	6242.5
42.5°	5032.0	5240.6	5711.6	6412.4	7570.7	8550.3	8298.6	7670.8	6717.6	6379.8	6036.2
47.5°	4467.6	4471.3	4542.9	4593.8	5246.5	6863.6	8190.6	7499.9	6288.1	6004.2	5802.1
55°	1318.6	1615.5	2121.4	2651.9	3404.9	3847.7	5929.6	5969.1	4976.2	5140.1	4845.3
65°	205.3	228.6	465.0	486.5	689.2	1096.0	1379.6	1573.5	960.7	307.5	966.9
75°	27.2	21.5	61.9	53.9	46.8	34.0	78.4	87.1	98.6	153.8	151.3
85°	0.0	21.3	28.0	27.0	19.3	20.6	21.9	22.0	34.6	23.4	30.7
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: P232926

CATALOG NUMBER: NFFLD-C55-D-UNV-66-7030

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	7987.4	7987.4	7987.4	7987.4	7987.4	7987.4	7987.4	7987.4	7987.4	7987.4	7987.4
1°	8016.8	8028.6	8039.3	8048.7	8056.4	8062.2	8065.8	8067.2	8065.8	8062.2	8056.4
3°	8077.6	8103.8	8127.6	8148.2	8165.2	8177.9	8186.1	8188.9	8186.1	8177.9	8165.2
5°	8114.2	8151.2	8176.8	8173.2	8168.3	8166.7	8168.1	8165.5	8168.1	8166.7	8168.3
7°	8132.0	8147.6	8139.4	8119.2	8084.1	8066.8	8066.5	8078.9	8066.5	8066.8	8084.1
9°	8116.6	8083.3	8035.1	7987.6	7913.3	7852.5	7823.6	7829.8	7823.6	7852.5	7913.3
11°	8031.3	7959.2	7863.3	7746.2	7656.2	7550.3	7475.6	7474.6	7475.6	7550.3	7656.2
13°	7937.7	7792.7	7617.0	7475.9	7365.8	7281.7	7203.8	7190.4	7203.8	7281.7	7365.8
15°	7824.7	7606.1	7406.6	7261.8	7146.9	7065.8	6992.8	6985.1	6992.8	7065.8	7146.9
17°	7685.6	7429.0	7248.3	7102.9	6978.0	6859.7	6766.8	6764.2	6766.8	6859.7	6978.0
19.5°	7530.8	7281.1	7096.1	6910.1	6722.6	6530.4	6395.8	6370.1	6395.8	6530.4	6722.6
22.5°	7341.9	7125.6	6883.4	6594.7	6317.6	6248.7	6191.7	6176.4	6191.7	6248.7	6317.6
25.5°	7101.3	6860.9	6567.2	6241.1	6154.5	6088.4	6042.4	6033.4	6042.4	6088.4	6154.5
29°	6754.8	6462.4	6044.3	6006.2	5947.4	5847.8	5799.6	5788.2	5799.6	5847.8	5947.4
33°	6322.4	5957.6	5696.1	5678.9	5607.4	5531.7	5527.1	5513.7	5527.1	5531.7	5607.4
37.5°	5930.8	5548.8	5362.4	5253.0	5211.8	5238.1	5251.3	5256.8	5251.3	5238.1	5211.8
42.5°	5594.6	5254.4	4957.1	4836.6	4861.7	4883.6	4898.5	4941.5	4898.5	4883.6	4861.7
47.5°	5339.7	4986.3	4529.2	4447.7	4299.2	3803.7	3473.8	3390.4	3473.8	3803.7	4299.2
55°	4537.8	4424.7	3815.2	2933.3	2019.6	1308.6	893.9	690.9	893.9	1308.6	2019.6
65°	1578.9	1175.0	725.0	549.2	649.4	557.9	501.8	493.4	501.8	557.9	649.4
75°	173.7	133.7	129.1	124.8	153.6	109.9	88.6	63.3	88.6	109.9	153.6
85°	23.4	23.9	26.6	29.4	25.4	22.7	14.5	0.0	14.5	22.7	25.4
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: P232926

CATALOG NUMBER: NFFLD-C55-D-UNV-66-7030

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	7987.4	7987.4	7987.4	7987.4	7987.4	7987.4	7987.4	7987.4	7987.4	7987.4	7987.4
1°	8048.7	8039.3	8028.6	8016.8	8004.3	7991.3	7979.2	7967.2	7955.6	7944.5	7934.3
3°	8148.2	8127.6	8103.8	8077.6	8042.7	8005.9	7967.6	7931.4	7920.9	7911.8	7904.4
5°	8173.2	8176.8	8151.2	8114.2	8075.2	8013.7	7953.1	7927.3	7908.2	7896.4	7898.8
7°	8119.2	8139.4	8147.6	8132.0	8083.3	8019.5	7941.4	7906.2	7893.1	7900.5	7916.0
9°	7987.6	8035.1	8083.3	8116.6	8070.5	8015.7	7927.1	7874.2	7875.2	7907.4	7948.4
11°	7746.2	7863.3	7959.2	8031.3	8043.3	8013.7	7919.7	7866.3	7868.3	7922.8	7989.1
13°	7475.9	7617.0	7792.7	7937.7	8013.2	7998.1	7924.8	7863.5	7884.0	7951.9	8071.6
15°	7261.8	7406.6	7606.1	7824.7	7964.1	8011.8	7948.1	7881.0	7906.5	8008.4	8192.7
17°	7102.9	7248.3	7429.0	7685.6	7902.9	8054.6	7978.3	7909.3	7928.2	8100.9	8357.1
19.5°	6910.1	7096.1	7281.1	7530.8	7796.7	8127.6	7973.5	7920.6	7979.6	8261.7	8574.2
22.5°	6594.7	6883.4	7125.6	7341.9	7570.8	7808.4	7848.2	7857.9	8038.5	8432.4	8862.4
25.5°	6241.1	6567.2	6860.9	7101.3	7340.0	7581.6	7690.0	7733.1	8082.1	8656.9	9153.6
29°	6006.2	6044.3	6462.4	6754.8	7040.5	7265.4	7458.0	7663.1	8092.6	8814.0	9495.4
33°	5678.9	5696.1	5957.6	6322.4	6592.2	6796.3	7184.6	7667.3	8120.5	8888.6	9771.7
37.5°	5253.0	5362.4	5548.8	5930.8	6242.5	6555.0	6967.9	7698.7	8168.9	9048.2	9462.8
42.5°	4836.6	4957.1	5254.4	5594.6	6036.2	6379.8	6717.6	7670.8	8298.6	8550.3	7570.7
47.5°	4447.7	4529.2	4986.3	5339.7	5802.1	6004.2	6288.1	7499.9	8190.6	6863.6	5246.5
55°	2933.3	3815.2	4424.7	4537.8	4845.3	5140.1	4976.2	5969.1	5929.6	3847.7	3404.9
65°	549.2	725.0	1175.0	1578.9	966.9	307.5	960.7	1573.5	1379.6	1096.0	689.2
75°	124.8	129.1	133.7	173.7	151.3	153.8	98.6	87.1	78.4	34.0	46.8
85°	29.4	26.6	23.9	23.4	30.7	23.4	34.6	22.0	21.9	20.6	19.3
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: P232926

CATALOG NUMBER: NFFLD-C55-D-UNV-66-7030

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	7987.4	7987.4	7987.4	7987.4
1°	7925.3	7917.8	7912.1	7908.6
3°	7899.0	7895.6	7888.1	7881.4
5°	7903.3	7907.3	7910.6	7916.4
7°	7938.0	7957.4	7974.6	7979.6
9°	7995.5	8027.9	8054.8	8058.5
11°	8080.1	8153.7	8202.2	8236.6
13°	8217.8	8356.4	8429.2	8473.0
15°	8411.2	8599.4	8686.1	8741.6
17°	8618.7	8853.7	8990.2	9029.6
19.5°	8907.0	9153.7	9301.1	9353.7
22.5°	9213.6	9520.9	9741.2	9838.3
25.5°	9579.1	9977.6	10245.1	10368.7
29°	10113.8	10401.4	10598.7	10670.3
33°	10299.1	10044.4	9875.9	9771.2
37.5°	9067.2	8060.7	7398.8	7143.7
42.5°	6412.4	5711.6	5240.6	5032.0
47.5°	4593.8	4542.9	4471.3	4467.6
55°	2651.9	2121.4	1615.5	1318.6
65°	486.5	465.0	228.6	205.3
75°	53.9	61.9	21.5	27.2
85°	27.0	28.0	21.3	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)