

Scaled data based on original data using  
LM-35-02 Approved Method for Photometric Testing of Floodlights Using High Intensity  
Discharge or Incandescent Filament Lamps

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: LUMIERE

Report Number: P185179

Luminaire Tested: **206-10LED2721**

Issue Date: 3/3/2020

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.

Report Generated By 670245982

**Test Information**

Test Method: LM-35-02  
Report Number: P185179  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26952)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 206-10LED2721  
Description: LUMIERE 203, STANDARD RECESSED LENS HOOD BLACK, 21 DEG LED OPTIC,  
CLEAR LENS  
Light Source: 2700K CCT, 80 CRI LEDs  
Ballast/Driver: -

Luminaire Equipment:	<u>Sample No.</u>	<u>Condition</u>	<u>Description</u>
	AS-5443-1	Good	WHITE TWIN R-EVOLVE FLOOD
	AS-5443-2	Good	REFLECTOR
	AS-5443-3	Good	REFLECTOR
	AS-5443-4	Good	REFLECTOR

**Summary**

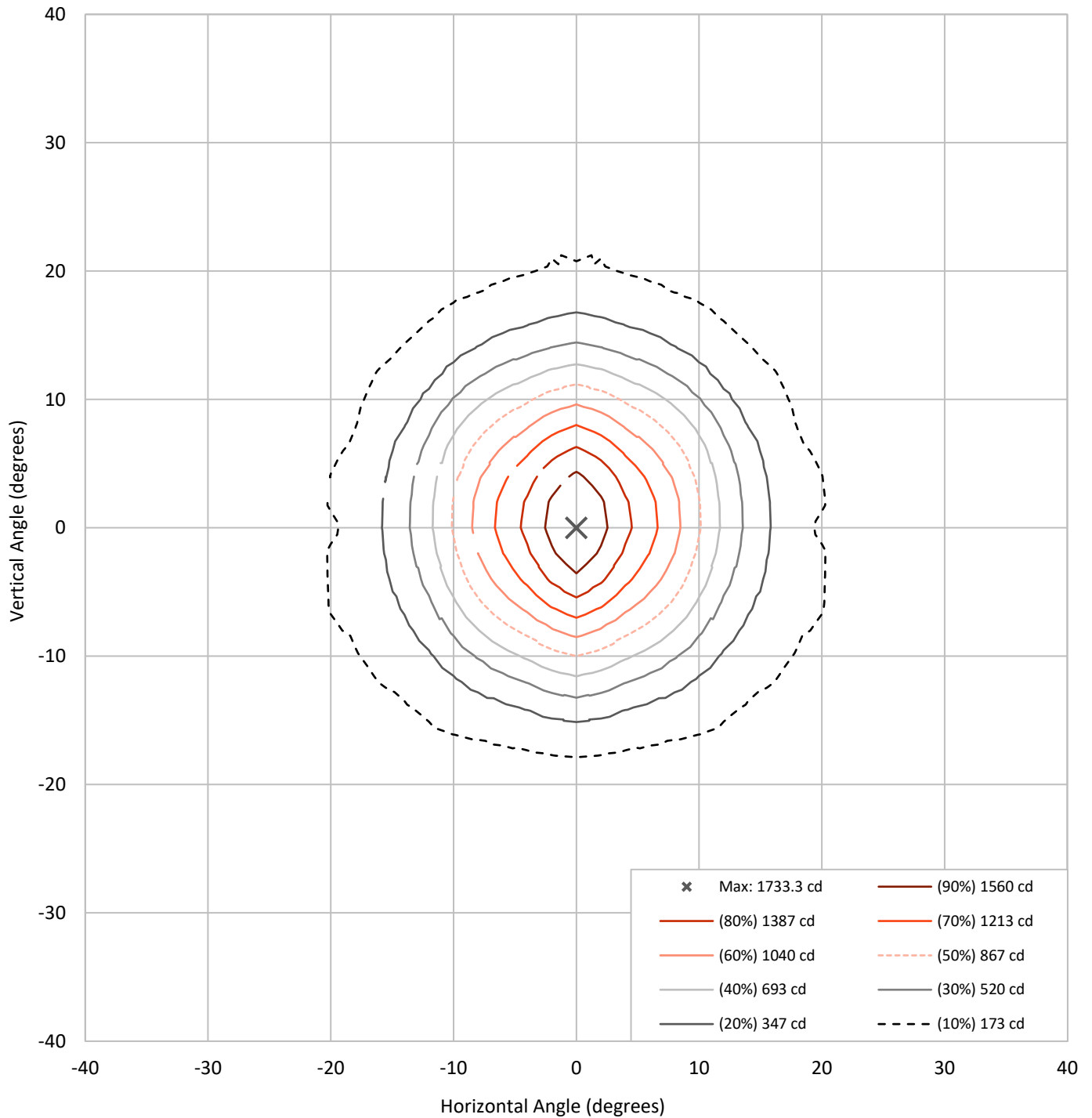
Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	271.6 lumens	Max Intensity:	1733.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	29.5 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	20.3°H x 21.2°V	Field Angle (10%):	38.6°H x 38.6°V
Beam Lumens:	117.1 lumens	Field Lumens:	227.6 lumens
Beam Efficiency:	43.1%	Field Efficiency:	83.8%

Input Watts (W): 9.2  
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: 28.75 FT



REPORT NUMBER: P185179  
CATALOG NUMBER: 206-10LED2721

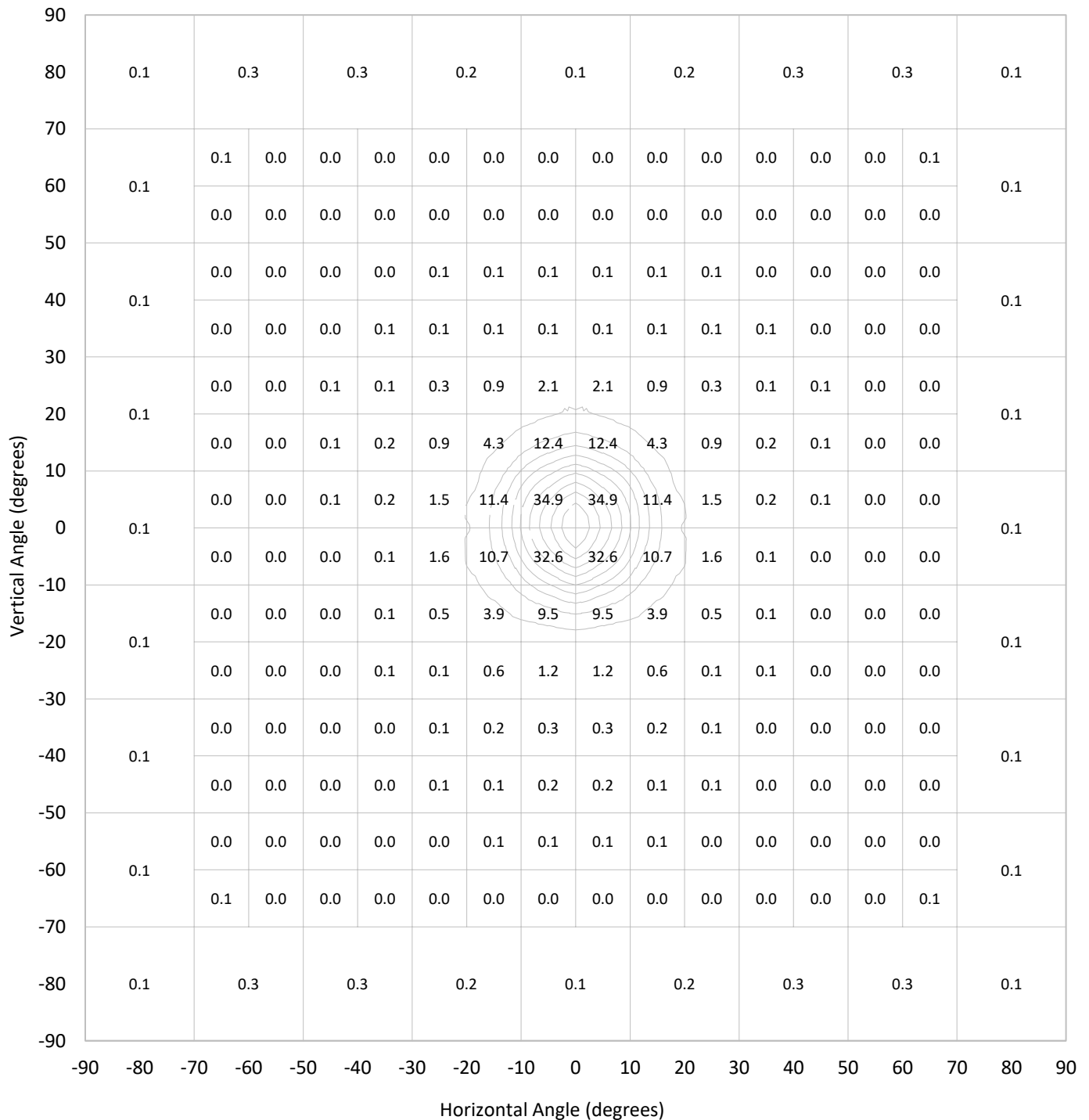
### Iso-Candela Plot





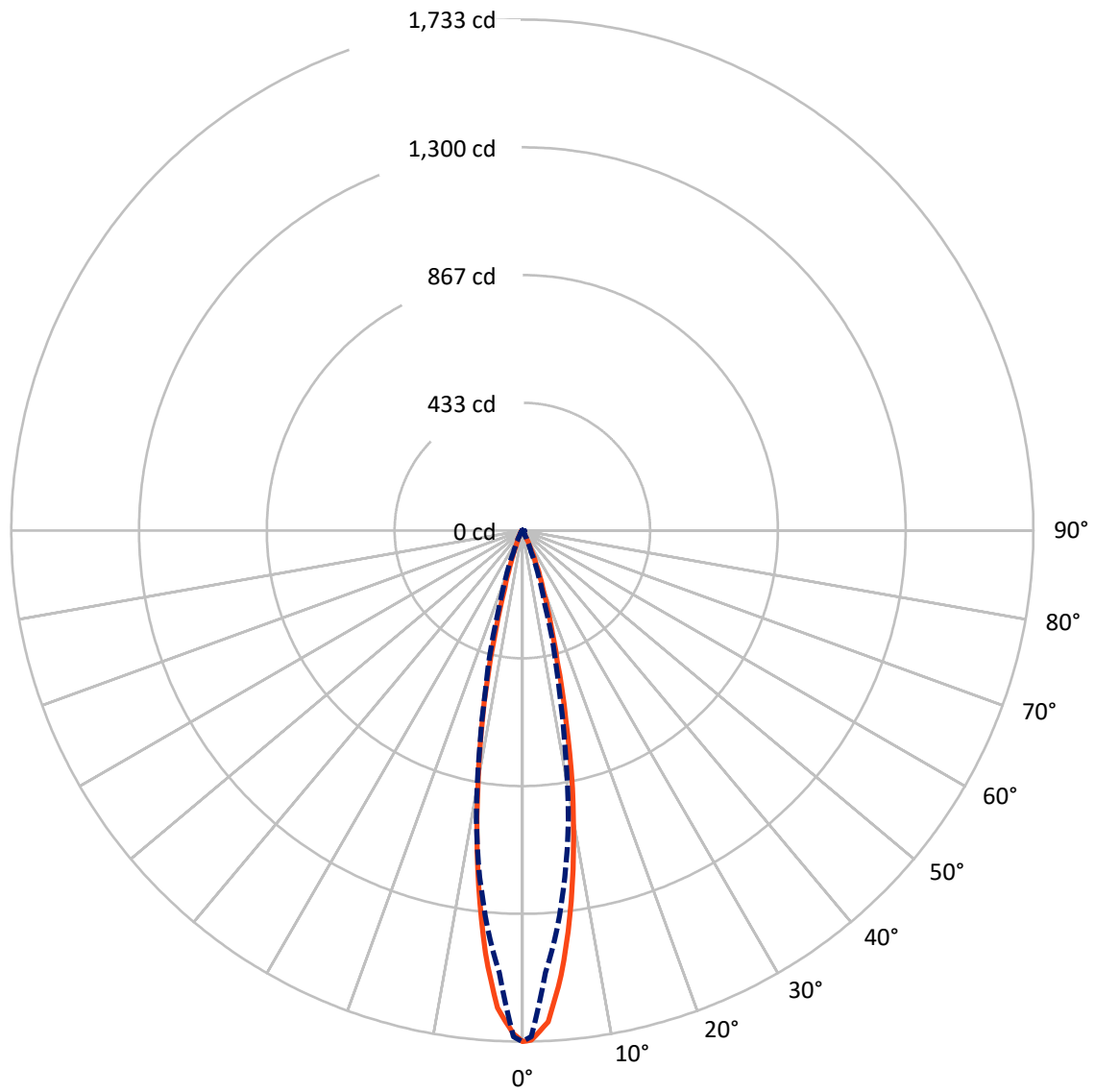
REPORT NUMBER: P185179  
 CATALOG NUMBER: 206-10LED2721

### Lumen Table



REPORT NUMBER: P185179  
CATALOG NUMBER: 206-10LED2721

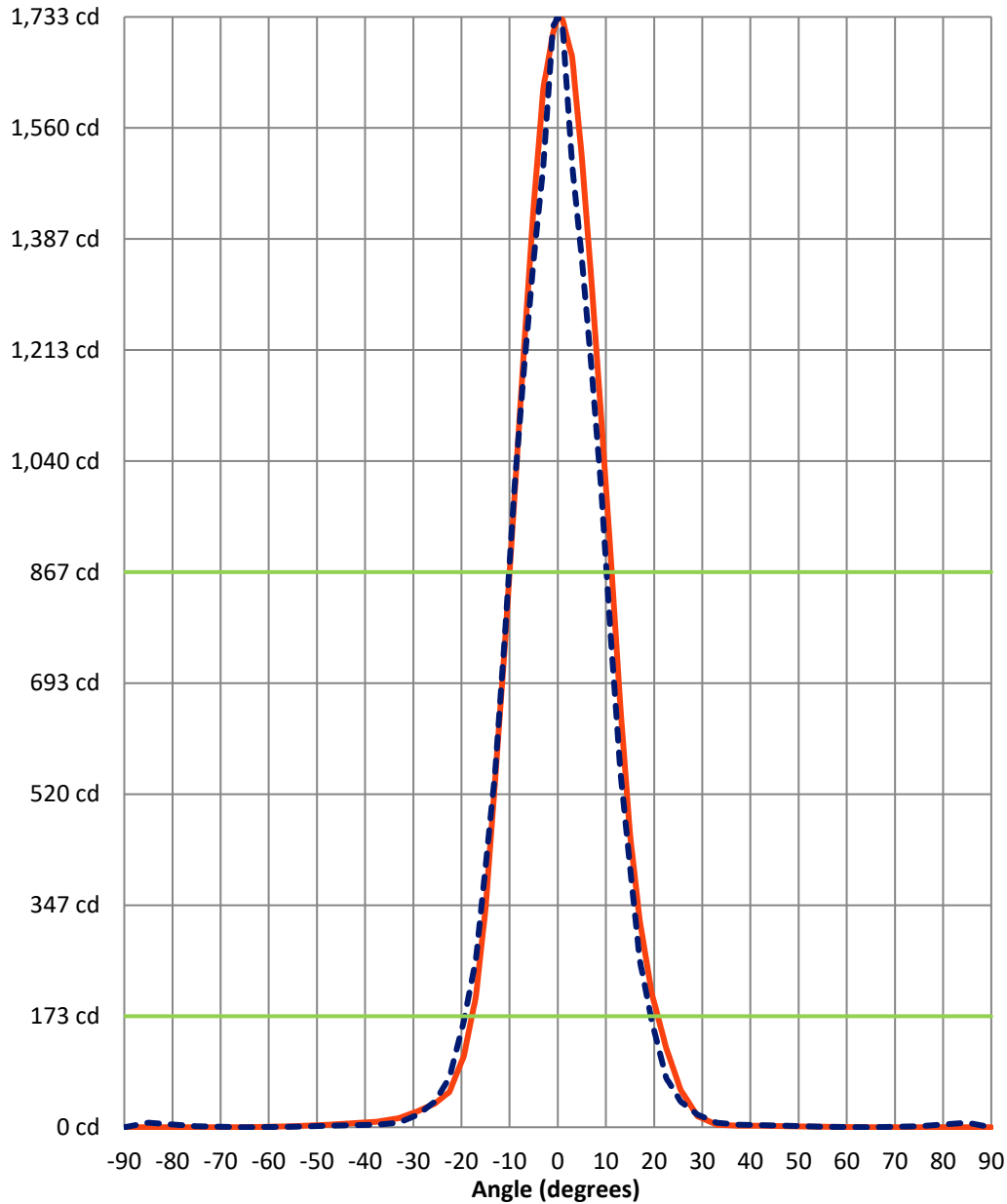
### Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg      - - - Horizontal Distribution Through 0-Deg

REPORT NUMBER: P185179  
CATALOG NUMBER: 206-10LED2721

### Luminous Intensity Plot



**Beam:**  
H Angle: 20.3°  
V Angle: 21.2°  
Lumens: 117.1  
Efficiency: 43.1%

**Field:**  
H Angle: 38.6°  
V Angle: 38.6°  
Lumens: 227.6  
Efficiency: 83.8%

**Spill:**  
Lumens: 44  
Efficiency: 16.2%

— Vertical Distribution through 0-Deg  
- - Horizontal Distribution through 0-Deg



REPORT NUMBER: P185179  
 CATALOG NUMBER: 206-10LED2721

FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

	0°	1°	3°	5°	7°	9°	11°	13°	15°	17°	19.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6	2.4	3.2
75°	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
65°	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
55°	0.8	0.8	0.8	0.8	0.8	0.8	1.6	1.6	1.6	1.6	0.8
47.5°	1.6	1.6	1.6	1.6	2.4	2.4	2.4	2.4	2.4	2.4	2.4
42.5°	2.4	2.4	2.4	2.4	2.4	2.4	3.2	3.2	3.2	3.2	3.2
37.5°	2.4	2.4	2.4	2.4	3.2	3.2	3.2	3.2	4.0	4.0	4.0
33°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.7	4.7	4.7	4.7
29°	17.4	17.4	16.6	16.6	15.0	14.2	12.6	11.1	9.5	8.7	7.9
25.5°	58.5	59.3	54.5	51.4	41.9	37.1	32.4	28.4	23.7	19.0	15.0
22.5°	124.0	200.7	105.9	99.5	88.5	76.6	57.7	47.4	39.5	32.4	26.1
19.5°	209.4	199.9	185.7	173.0	144.6	134.3	129.6	75.1	59.3	47.4	37.9
17°	323.9	327.9	286.0	265.4	229.1	191.2	173.8	138.3	83.0	62.4	48.2
15°	457.4	461.4	402.1	371.3	320.7	271.0	209.4	180.9	140.6	78.2	57.7
13°	655.7	663.6	577.5	526.1	448.7	379.2	285.2	207.0	196.7	138.3	67.9
11°	889.5	895.9	784.5	725.2	629.6	526.9	391.1	272.6	207.0	192.0	81.4
9°	1109.2	1106.0	970.9	893.5	785.3	674.7	523.8	359.5	240.2	199.9	97.2
7°	1320.1	1322.5	1158.9	1060.2	929.8	795.5	622.5	448.7	317.6	201.5	153.3
5°	1513.6	1510.5	1322.5	1204.0	1054.7	900.6	700.7	503.2	371.3	221.2	186.4
3°	1669.3	1657.4	1447.3	1314.6	1151.0	972.5	752.9	541.9	398.2	253.6	207.0
1°	1728.5	1719.0	1505.0	1359.6	1189.7	1000.9	771.8	557.0	406.9	262.3	208.6
0°	1733.3	1716.7	1501.8	1354.9	1185.0	997.0	765.5	555.4	406.1	262.3	165.9
-1°	1707.2	1693.8	1478.1	1331.2	1164.5	982.8	751.3	546.7	400.5	260.7	208.6
-3°	1621.1	1593.4	1389.6	1249.8	1094.2	920.4	697.6	508.0	379.2	249.6	207.0
-5°	1438.6	1428.3	1247.4	1117.9	982.0	819.2	619.4	449.5	342.9	229.9	205.4
-7°	1216.6	1210.3	1056.2	948.8	839.0	692.8	519.8	384.7	297.8	203.0	202.2
-9°	982.8	978.0	852.4	774.2	673.9	544.3	420.3	316.8	246.5	190.4	154.1
-11°	751.3	748.1	654.9	590.1	500.1	418.7	327.1	248.1	194.3	195.1	94.8
-13°	542.7	542.7	459.8	405.3	354.7	304.9	241.0	185.7	173.8	141.4	72.7
-15°	342.1	346.8	299.4	274.1	243.3	210.9	193.6	159.6	136.7	79.0	54.5
-17°	204.6	207.0	181.7	171.4	154.8	154.1	147.7	123.2	77.4	55.3	36.3
-19.5°	111.4	111.4	99.5	91.6	82.2	75.8	64.0	54.5	44.2	33.2	22.1
-22.5°	55.3	56.1	50.6	48.2	45.0	41.9	36.3	31.6	25.3	18.2	11.9
-25.5°	37.1	37.1	33.2	31.6	28.4	26.9	22.1	19.0	14.2	10.3	6.3
-29°	25.3	25.3	22.1	21.3	17.4	16.6	12.6	11.1	7.9	6.3	4.7
-33°	14.2	14.2	12.6	12.6	10.3	9.5	7.9	7.1	5.5	4.7	4.0
-37.5°	8.7	8.7	8.7	8.7	7.9	7.1	6.3	5.5	5.5	4.7	4.0
-42.5°	6.3	6.3	6.3	6.3	5.5	5.5	5.5	4.7	4.7	4.0	3.2
-47.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.2	3.2	3.2	2.4
-55°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
-65°	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-75°	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-85°	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6	1.6	2.4
-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: P185179  
 CATALOG NUMBER: 206-10LED2721

**CANDELA DISTRIBUTION (continued):**

	22.5°	25.5°	29°	33°	37.5°	42.5°	47.5°	55°	65°	75°	85°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	4.0	4.7	5.5	6.3	6.3	7.1	7.1	7.1	7.9	7.9	7.9
75°	0.8	0.8	0.8	0.8	1.6	1.6	3.2	4.7	6.3	7.1	7.9
65°	0.8	0.8	0.8	0.8	0.0	0.0	0.8	1.6	4.0	6.3	7.9
55°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.8	2.4	5.5	7.1
47.5°	2.4	2.4	1.6	1.6	0.8	0.8	0.0	0.0	1.6	4.7	7.1
42.5°	3.2	3.2	2.4	2.4	1.6	0.8	0.8	0.0	0.8	4.0	7.1
37.5°	4.0	4.0	4.0	3.2	2.4	1.6	0.8	0.0	0.8	4.0	7.1
33°	4.7	5.5	4.7	4.0	3.2	2.4	0.8	0.0	0.8	3.2	7.1
29°	7.1	6.3	5.5	5.5	4.0	2.4	1.6	0.0	0.0	3.2	7.1
25.5°	11.1	8.7	7.1	6.3	4.7	3.2	1.6	0.8	0.0	2.4	7.1
22.5°	17.4	12.6	8.7	6.3	4.7	3.2	1.6	0.8	0.0	2.4	7.1
19.5°	26.9	18.2	11.1	7.1	5.5	4.0	2.4	0.8	0.0	2.4	7.1
17°	34.0	23.7	14.2	7.9	5.5	4.0	2.4	0.8	0.0	2.4	7.1
15°	38.7	27.7	16.6	8.7	5.5	4.0	2.4	0.8	0.0	2.4	7.1
13°	44.2	30.8	18.2	8.7	5.5	4.0	2.4	0.8	0.0	2.4	7.1
11°	49.8	34.0	19.8	8.7	5.5	4.0	2.4	0.8	0.0	2.4	7.1
9°	56.1	35.6	20.5	8.7	5.5	4.0	2.4	0.8	0.0	2.4	7.1
7°	61.6	37.1	21.3	8.7	4.7	4.0	2.4	0.8	0.0	2.4	7.1
5°	67.9	38.7	20.5	7.9	4.7	3.2	2.4	0.8	0.0	1.6	7.1
3°	72.7	39.5	20.5	7.9	4.7	3.2	2.4	0.8	0.0	1.6	7.1
1°	76.6	40.3	19.8	7.1	4.0	3.2	2.4	0.8	0.0	1.6	7.1
0°	77.4	40.3	19.8	7.1	4.0	3.2	2.4	0.8	0.0	1.6	7.1
-1°	78.2	40.3	19.0	6.3	4.0	3.2	1.6	0.8	0.0	1.6	7.1
-3°	77.4	39.5	17.4	5.5	3.2	2.4	1.6	0.8	0.0	1.6	7.1
-5°	73.5	34.8	15.8	4.7	3.2	2.4	1.6	0.8	0.0	1.6	7.1
-7°	67.9	30.8	11.9	4.0	2.4	2.4	1.6	0.8	0.0	1.6	7.1
-9°	58.5	26.1	8.7	3.2	2.4	2.4	1.6	0.8	0.0	2.4	7.1
-11°	46.6	22.1	6.3	2.4	2.4	1.6	1.6	0.0	0.0	2.4	7.1
-13°	36.3	15.0	4.7	2.4	2.4	1.6	1.6	0.0	0.0	2.4	7.1
-15°	25.3	10.3	4.0	2.4	2.4	1.6	1.6	0.8	0.0	2.4	7.1
-17°	15.8	7.1	3.2	2.4	1.6	1.6	0.8	0.0	0.0	2.4	7.1
-19.5°	9.5	4.7	2.4	2.4	1.6	1.6	0.8	0.0	0.0	2.4	7.1
-22.5°	5.5	3.2	2.4	2.4	1.6	1.6	0.8	0.0	0.0	2.4	7.1
-25.5°	4.0	3.2	2.4	2.4	1.6	1.6	0.8	0.0	0.0	2.4	7.1
-29°	3.2	3.2	2.4	2.4	1.6	0.8	0.8	0.0	0.0	3.2	7.1
-33°	3.2	3.2	2.4	2.4	1.6	0.8	0.8	0.0	0.8	3.2	7.1
-37.5°	3.2	3.2	2.4	1.6	1.6	0.8	0.8	0.0	0.8	4.0	7.1
-42.5°	3.2	2.4	1.6	1.6	0.8	0.8	0.0	0.0	0.8	4.0	7.1
-47.5°	2.4	1.6	1.6	0.8	0.8	0.8	0.0	0.0	1.6	4.7	7.1
-55°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.8	2.4	5.5	7.9
-65°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6	4.0	6.3	7.9
-75°	0.8	0.0	0.8	0.8	0.8	1.6	3.2	4.7	6.3	7.1	7.9
-85°	4.0	4.7	5.5	6.3	6.3	7.1	7.1	7.9	7.9	7.9	7.9
-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: P185179  
CATALOG NUMBER: 206-10LED2721

**CANDELA DISTRIBUTION (continued):**

	90°
90°	0.0
85°	0.0
75°	0.0
65°	0.0
55°	0.0
47.5°	0.0
42.5°	0.0
37.5°	0.0
33°	0.0
29°	0.0
25.5°	0.0
22.5°	0.0
19.5°	0.0
17°	0.0
15°	0.0
13°	0.0
11°	0.0
9°	0.0
7°	0.0
5°	0.0
3°	0.0
1°	0.0
0°	0.0
-1°	0.0
-3°	0.0
-5°	0.0
-7°	0.0
-9°	0.0
-11°	0.0
-13°	0.0
-15°	0.0
-17°	0.0
-19.5°	0.0
-22.5°	0.0
-25.5°	0.0
-29°	0.0
-33°	0.0
-37.5°	0.0
-42.5°	0.0
-47.5°	0.0
-55°	0.0
-65°	0.0
-75°	0.0
-85°	0.0
-90°	0.0

(END OF REPORT)