

meas. no. 93L214
 meas. date 12/27/2014
 operator LightLab

meas. conditions
 ambient temperature 25.0 °C
 voltage 230.00 V
 current 0.810 A
 power consumption 173.0 W

meas. lamps lum. flux [lm]
 1 15230.0 lm

measurement results
 flux of luminaire 12136.1 lm
 classification / DIN A40
 lower flux fraction 99.59 %
 upper flux fraction 0.41 %
 intensity maximum 435.0 cd/klm
 in C-plane 180.0 °
 at gamma 65.0 °
 half value angle C0 : 73.0 °
 C90 : 44.0 °
 C270 : 35.7 °

tenth value angle C0 : 79.1 °
 C90 : 72.0 °
 C270 : 62.9 °

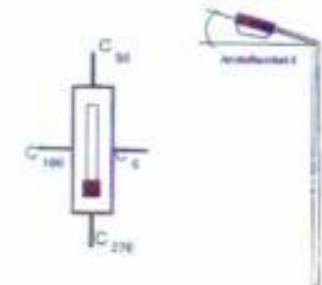
article code
 TakNoor Co.

lamp(s)
 1 x HPSV
 total flux
 15230 lm
 LOR
 80 %
 tilt angle
 0.0 °

file
 STREETLIGHT_

dimensions of luminaire
 length 620 mm
 width 270 mm
 height 190 mm

dimensions of luminous area
 length 250 mm
 width 200 mm
 height C0 70 mm
 height C90 100 mm
 height C180 100 mm
 height C270 100 mm



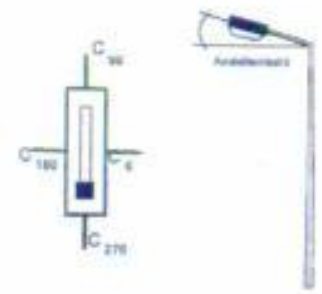
distance [m]	cone diameter [m]	E [lx]
1.0	6.54	E(0°) 3722 E(C0) 73.0° 916
2.0	13.08	E(0°) 931 E(C0) 73.0° 229
3.0	19.63	E(0°) 414 E(C0) 73.0° 102
4.0	26.17	E(0°) 233 E(C0) 73.0° 57
5.0	32.71	E(0°) 149 E(C0) 73.0° 37

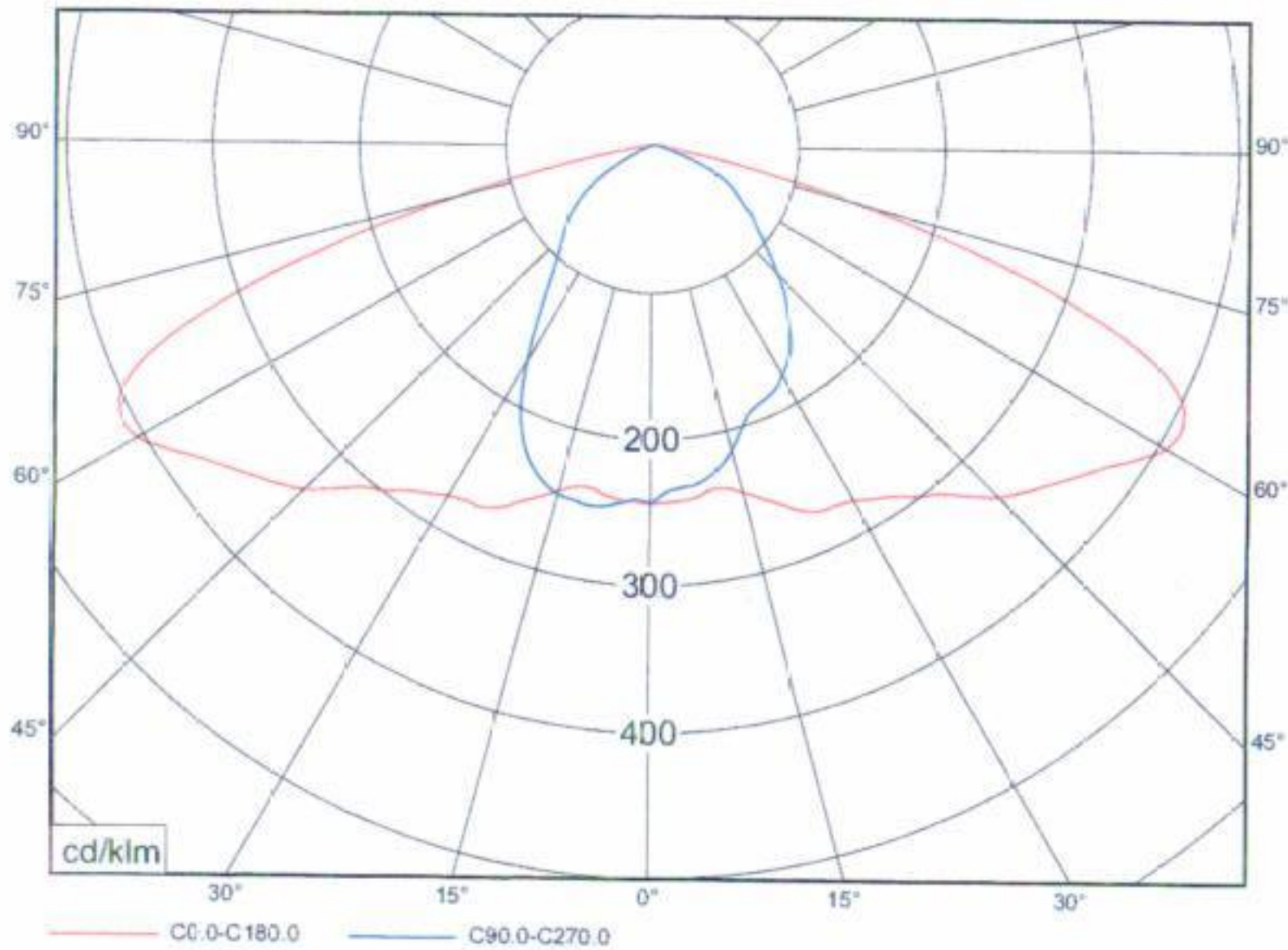
half value angle 146.0°

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15230 lm
LOR:
80 %
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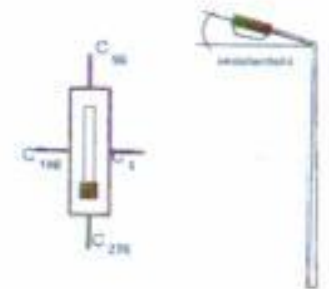


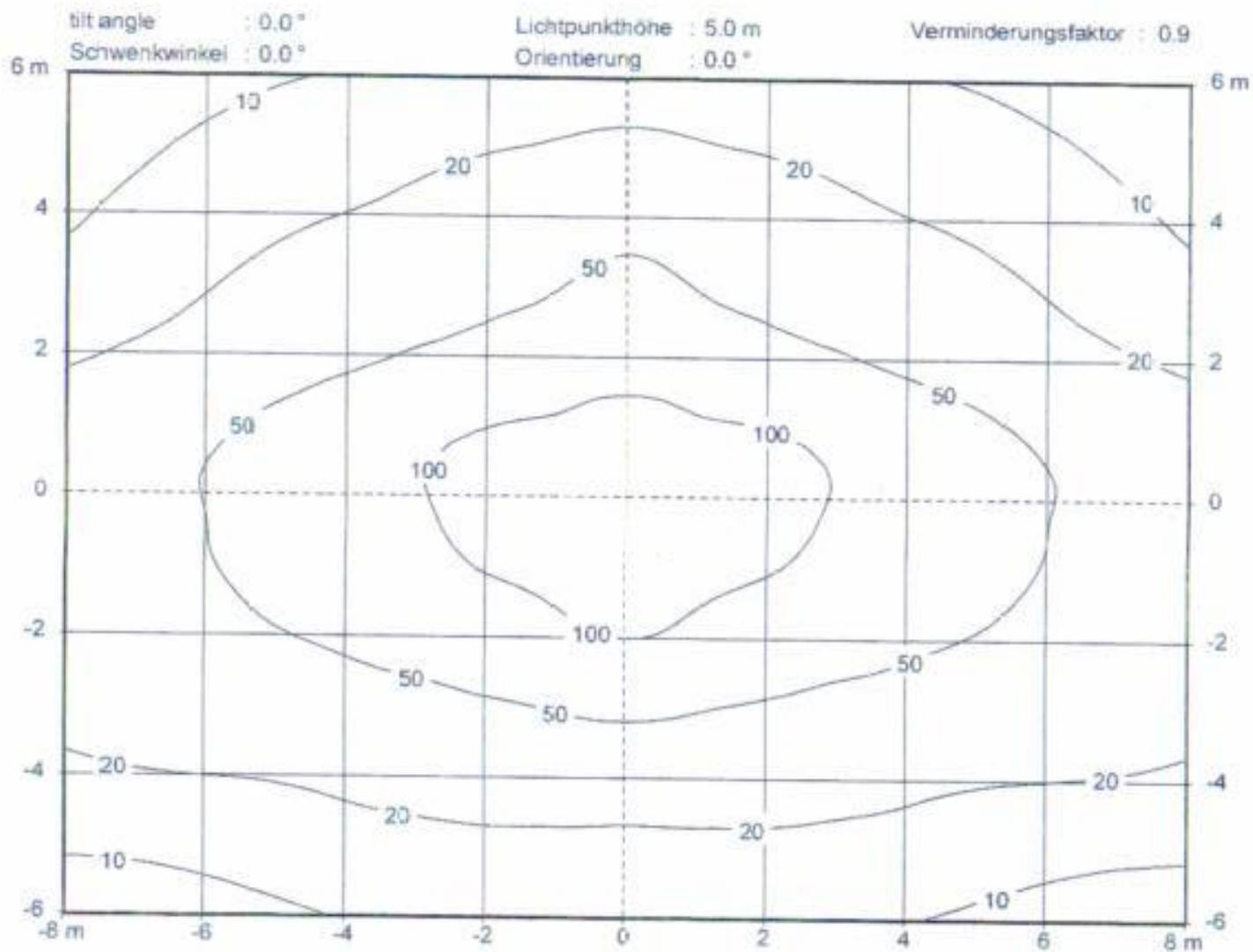


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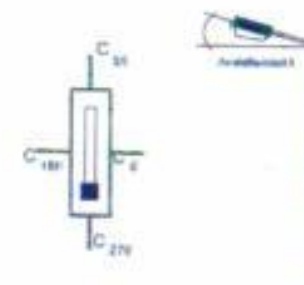




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TakNoor Co

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 80 %
 tilt angle
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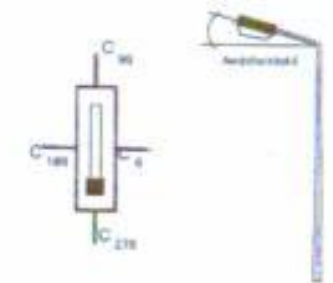
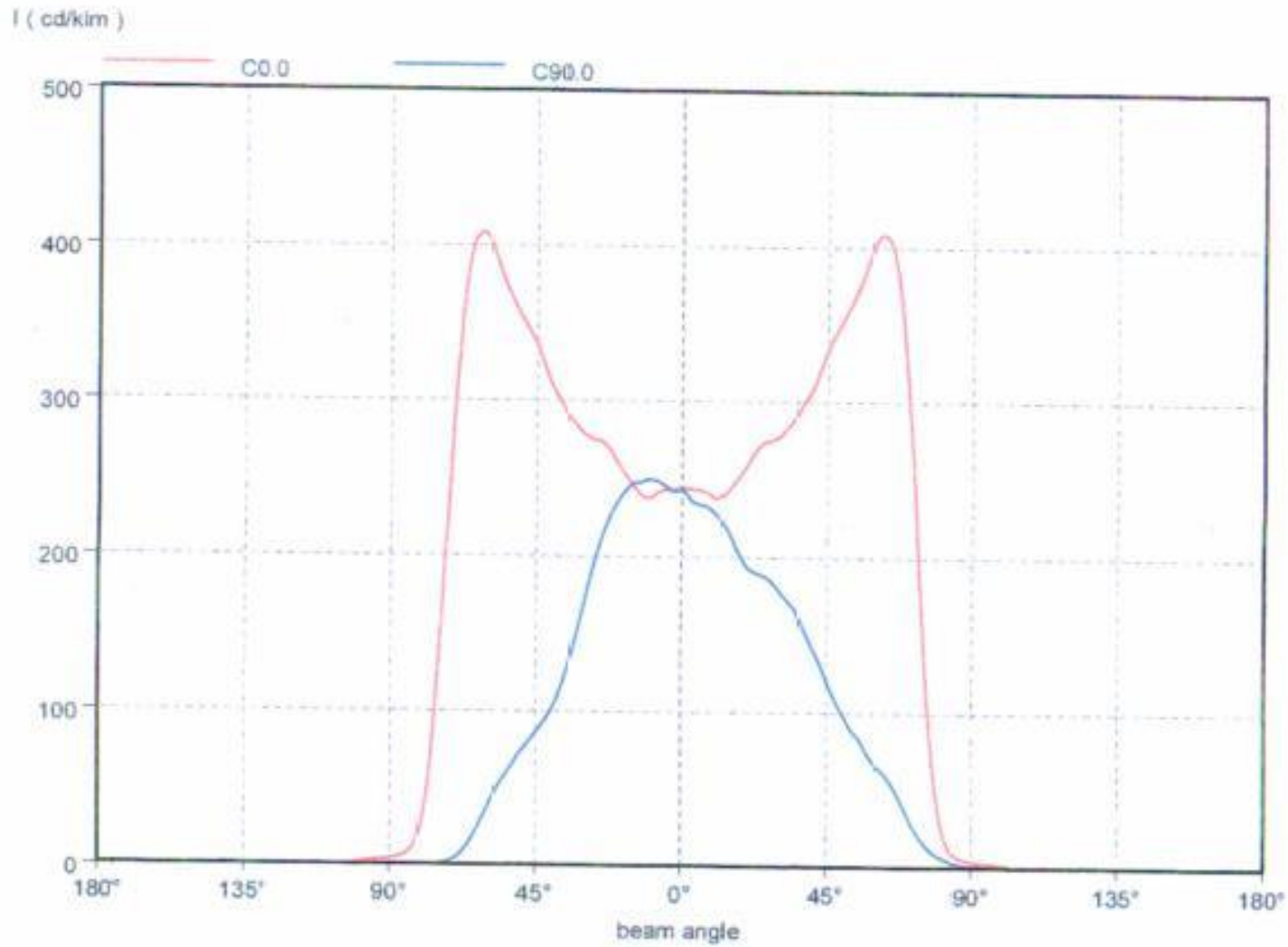
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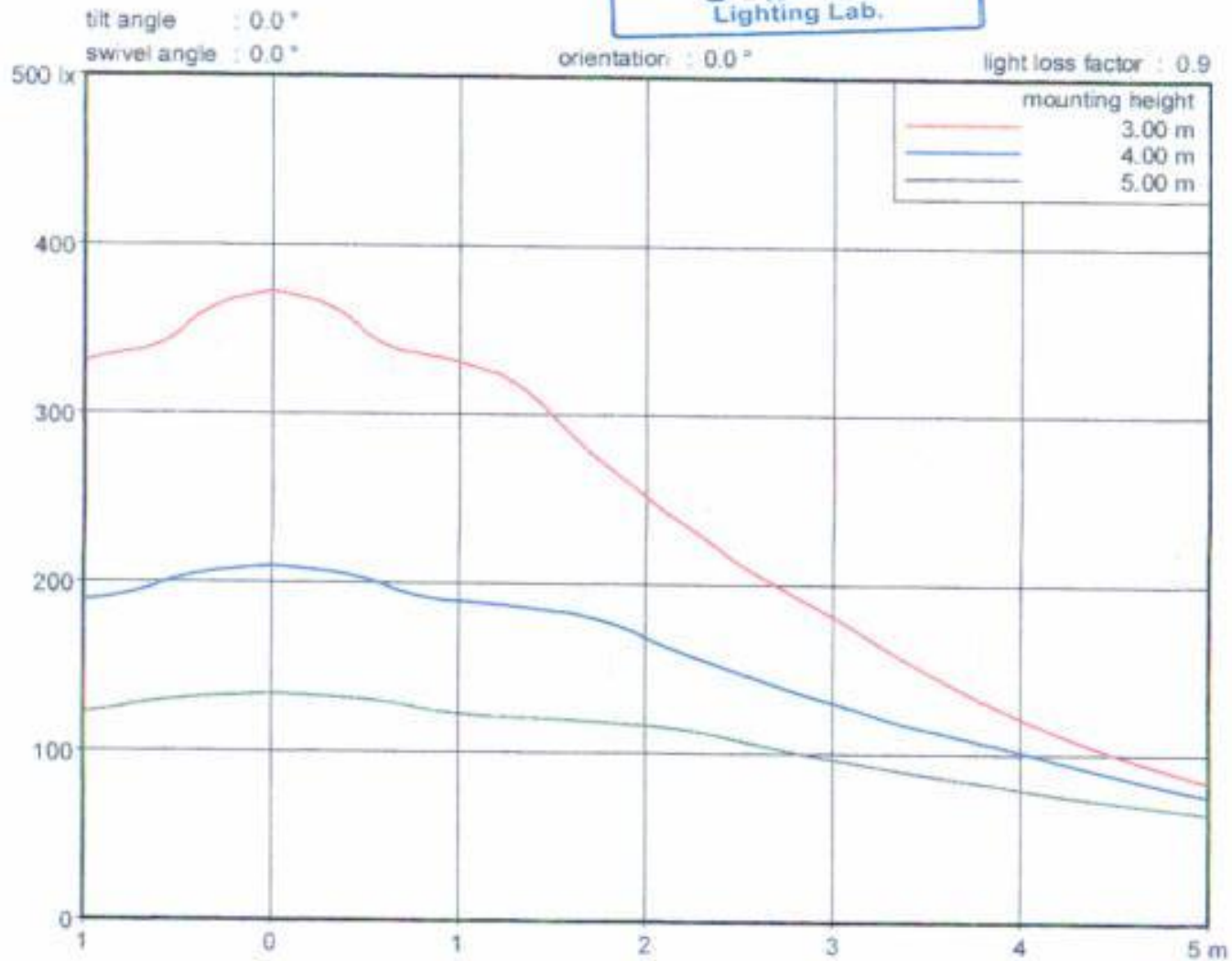


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lamp(s)
1 x HPSV
total flux
15230 lm
LOR:
80 %
tilt angle
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file
STREETLIGHT_

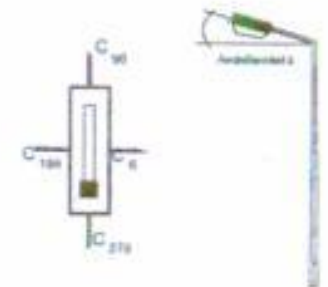




article code
Takfloor Co

lamp(s)
1 x HPSV
total flux
15230 lm
LOR
80 %
tilt angle
0.0°

file
STREETLIGHT_



gamma / °	C 0	C 15	C 30	C 45	C 60	C 75	C 90	C 105	C 120	C 135	C 150	C 165	C 180	C 195	C 210	C 225	C 240
0.0	244.4	244.4	244.4	244.4	244.4	244.4	244.4	244.4	244.4	244.4	244.4	244.4	244.4	244.4	244.4	244.4	244.4
2.5	243.3	242.6	241.4	239.5	237.6	236.6	236.3	236.6	237.6	239.5	241.4	242.6	243.3	244.0	244.4	243.9	242.8
5.0	242.8	242.1	240.4	238.4	236.2	234.3	233.6	234.3	236.2	238.4	240.4	242.1	242.8	242.8	243.8	244.9	245.2
7.5	241.0	240.9	239.3	237.4	235.1	232.6	232.3	232.6	235.1	237.4	239.3	240.9	241.0	240.4	244.6	247.8	248.8
10.0	237.5	237.7	234.8	232.6	230.5	229.0	228.2	229.0	230.5	232.6	234.8	237.7	237.5	235.7	240.1	245.5	249.7
12.5	238.7	238.3	231.9	224.9	223.3	221.2	222.4	221.2	223.3	224.9	231.9	238.3	238.7	235.8	235.8	236.1	247.7
15.0	244.4	243.6	232.8	218.5	214.7	213.1	213.5	213.1	214.7	218.5	232.8	243.6	244.4	240.0	234.2	232.4	241.8
17.5	251.5	249.9	234.2	213.2	205.8	203.5	202.7	203.5	205.8	213.2	234.2	249.9	251.5	244.5	235.0	228.0	231.7
20.0	259.1	256.7	235.1	208.5	198.1	195.1	195.5	195.1	198.1	208.5	235.1	256.7	259.1	250.5	237.0	225.7	222.2
22.5	268.0	262.6	234.3	202.9	195.8	187.9	186.8	187.9	185.8	202.9	234.3	262.6	268.0	258.0	239.1	222.2	212.8
25.0	273.4	267.4	230.2	194.5	174.1	170.6	187.6	179.8	174.1	194.5	230.2	267.4	273.4	261.8	241.2	216.8	202.5
27.5	274.6	270.0	225.0	183.9	163.1	170.9	184.5	170.9	163.1	183.9	225.0	270.0	274.6	261.2	242.0	210.0	190.9
30.0	277.7	271.5	217.7	172.2	153.7	161.9	176.3	161.9	153.7	172.2	217.7	271.5	277.7	262.3	238.4	203.1	177.3
32.5	283.3	269.2	208.7	162.2	146.4	152.2	172.2	152.2	146.4	162.2	208.7	269.2	283.3	266.8	232.6	194.6	164.4
35.0	289.7	266.4	200.3	153.2	139.1	143.0	166.6	143.0	139.1	153.2	200.3	266.4	289.7	270.5	228.5	185.0	152.4
37.5	299.0	270.8	190.3	145.1	133.0	134.4	154.4	134.4	133.0	145.1	190.3	270.8	299.0	276.5	229.1	175.9	141.2
40.0	307.2	274.4	182.3	139.2	128.1	128.6	142.2	128.6	128.1	139.2	182.3	274.4	307.2	291.9	229.7	168.4	131.5
42.5	320.6	272.0	176.2	134.6	123.8	118.9	132.6	118.9	123.8	134.6	176.2	272.0	320.6	290.6	227.9	163.5	123.2
45.0	335.2	270.8	171.8	130.8	119.6	112.7	119.7	112.7	119.6	130.8	171.8	270.8	335.2	302.1	227.3	157.1	116.7
47.5	345.3	266.6	168.4	127.9	114.9	105.3	108.4	105.3	114.9	127.9	168.4	266.6	345.3	311.2	227.4	148.5	111.7
50.0	354.7	258.6	163.5	126.4	110.0	98.5	98.5	98.5	110.0	126.4	163.5	258.6	354.7	323.4	230.3	140.8	106.7
52.5	365.2	245.5	157.1	124.8	104.9	94.5	89.2	91.5	104.9	124.8	157.1	245.5	365.2	338.2	234.9	133.1	101.7
55.0	376.7	234.8	150.3	121.9	100.2	84.6	83.1	84.6	100.2	121.9	150.3	234.8	376.7	352.8	237.0	126.7	95.0
57.5	391.5	226.4	145.0	118.3	95.5	79.4	73.7	79.4	95.5	118.3	145.0	226.4	391.5	368.8	234.3	117.7	85.1
60.0	405.0	220.4	139.8	114.7	93.2	75.3	66.6	75.3	93.2	114.7	139.8	220.4	405.0	380.0	228.5	108.3	72.5
62.5	408.0	212.4	133.8	110.6	91.4	72.5	61.0	72.5	91.4	110.6	133.8	212.4	408.0	381.8	217.9	91.1	57.0
65.0	398.2	199.5	125.1	104.6	86.8	68.4	53.9	68.4	86.8	104.6	125.1	199.5	398.2	368.8	197.8	69.8	39.5
67.5	365.6	177.1	110.1	96.1	78.1	60.8	44.3	60.8	78.1	96.1	110.1	177.1	365.6	333.6	158.2	46.2	24.0
70.0	304.1	140.8	92.4	84.2	67.3	49.3	33.2	49.3	67.3	84.2	92.4	140.8	304.1	274.6	122.5	24.8	11.2
72.5	222.5	97.5	71.9	69.1	55.3	37.3	23.3	37.3	55.3	69.1	71.9	97.5	222.5	190.5	74.7	11.3	4.2
75.0	136.5	63.3	44.4	53.5	44.6	27.1	16.2	27.1	44.6	53.5	44.4	63.3	136.5	104.1	35.5	4.5	1.7
77.5	69.1	38.7	25.3	37.2	33.6	19.9	10.6	19.9	33.6	37.2	25.3	38.7	69.1	45.0	13.2	1.6	1.0
80.0	30.3	22.0	17.1	18.1	22.6	14.3	7.2	14.3	22.6	18.1	17.1	22.0	30.3	16.1	4.2	0.9	0.7

article code

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lamp(s)

1 x HPSV

total flux

15230 lm

LOR

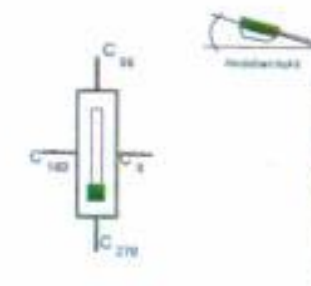
80 %

tilt angle

0.0 °

file

STREETLIGHT



gamma / °	C 255	C 270	C 285	C 300	C 315	C 330	C 345
0.0	244.4	244.4	244.4	244.4	244.4	244.4	244.4
2.5	242.0	241.7	242.0	242.8	243.9	244.4	241.0
5.0	244.9	244.6	244.9	245.2	244.9	243.8	242.8
7.5	248.6	248.0	248.6	248.8	247.8	244.6	240.4
10.0	249.8	249.2	249.8	249.7	245.5	240.1	236.7
12.5	249.9	247.6	249.9	247.7	239.1	235.8	235.8
15.0	247.2	246.7	247.2	241.8	232.4	234.2	240.0
17.5	242.3	242.4	242.3	231.7	228.0	235.0	244.5
20.0	234.0	235.1	234.0	222.2	225.7	237.0	250.5
22.5	223.0	225.0	223.0	212.6	222.2	239.1	258.0
25.0	208.5	210.3	208.5	202.5	216.6	241.2	261.6
27.5	189.9	191.8	189.9	190.5	210.0	242.0	261.2
30.0	169.8	170.8	169.8	177.3	203.1	238.4	262.3
32.5	151.0	148.9	151.0	164.4	194.6	232.6	265.8
35.0	135.4	129.9	135.4	152.4	185.0	228.5	270.5
37.5	122.6	114.1	122.6	141.2	175.9	229.1	276.5
40.0	111.7	102.3	111.7	131.5	168.4	229.7	281.9
42.5	102.8	93.5	102.8	123.2	163.5	227.9	290.6
45.0	95.4	86.5	95.4	116.7	157.1	227.3	302.1
47.5	88.8	79.6	88.8	111.7	149.5	227.4	311.2
50.0	82.2	72.7	82.2	106.7	140.8	230.3	323.4
52.5	75.7	64.4	75.7	101.7	133.1	234.9	338.2
55.0	68.2	56.0	68.2	95.0	126.7	237.0	352.8
57.5	58.8	47.8	58.8	85.1	117.7	234.3	368.6
60.0	46.9	37.3	46.9	72.5	106.3	228.5	380.0
62.5	33.1	26.6	33.1	57.0	91.1	217.9	381.6
65.0	20.8	16.7	20.8	39.5	69.8	197.6	366.8
67.5	10.8	9.2	10.8	24.0	46.2	168.2	333.8
70.0	5.1	4.4	5.1	11.2	24.8	122.5	274.6
72.5	2.4	2.1	2.4	4.2	11.3	74.7	190.3
75.0	1.2	1.1	1.2	1.7	4.5	35.5	104.1
77.5	0.9	0.9	0.9	1.0	1.6	13.2	45.0
80.0	0.7	0.7	0.7	0.7	0.9	4.2	16.1

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LOR
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