

**Test Report of Luminaire**

**Report No.:**

Luminaire Type	CMED-513-23-830-BN		
Lamp Type	LED_DOB		
Client		EUT NO.	CCT: 3079K, CRI: 82.8Ra

**Luminaire Parameters:**

Voltage	120.0	Current	0.191
Power:	22.4	Power Factor	0.975
Frequency:	60Hz	Tc	3000K

**Photometric Parameters**

Luminaire Flux	1291.78 lm	Luminaire Eff.	Data imperfect...!
Max Intensity	453.282cd	Central Intensity	453.282cd
Angle of Max Intensity:	C:0 G:0		
Upward Flux Ratio	0.0%		
Downward Flux Ratio	-129178.1%		
50%Imax Beam Width	C0_180[ 54.2 , -52.0] C90_270[ 52.7 , -53.2]		
Remark			

**Luminaire Figure**



**Photometric Data Table [Unit:cd] CMED-513-23-830-BN**

<b>C\G</b>	<b>0</b>	<b>5</b>	<b>10</b>	<b>15</b>	<b>20</b>	<b>25</b>	<b>30</b>	<b>35</b>	<b>40</b>	<b>45</b>
<b>0</b>	453.3	450.6	442.4	429.4	412.2	391.0	366.6	339.9	311.4	281.9
<b>5</b>	453.3	450.7	442.5	429.3	412.0	390.9	366.5	339.8	311.3	281.9
<b>10</b>	453.3	450.6	442.3	429.3	412.0	390.7	366.3	339.5	311.1	281.5
<b>15</b>	453.3	450.5	442.3	429.1	411.7	390.3	366.0	339.2	310.5	281.1
<b>20</b>	453.3	450.6	442.3	429.1	411.5	390.1	365.7	338.6	310.1	280.4
<b>25</b>	453.3	450.6	442.2	428.9	411.4	389.8	365.1	338.0	309.3	279.8
<b>30</b>	453.3	450.4	442.0	428.8	411.1	389.4	364.8	337.5	308.7	279.0
<b>35</b>	453.3	450.5	441.9	428.7	411.0	389.2	364.3	336.9	308.1	278.2
<b>40</b>	453.3	450.3	441.9	428.5	410.7	388.9	363.9	336.4	307.4	277.4
<b>45</b>	453.3	450.3	441.7	428.4	410.7	388.7	363.5	335.9	306.9	276.8
<b>50</b>	453.3	450.2	441.7	428.2	410.5	388.5	363.2	335.5	306.4	276.2
<b>55</b>	453.3	450.2	441.7	428.3	410.4	388.2	363.0	335.2	306.0	275.8
<b>60</b>	453.3	450.2	441.6	428.1	410.3	388.2	362.7	334.9	305.8	275.5
<b>65</b>	453.3	449.9	441.6	428.0	410.2	388.1	362.8	334.9	305.5	275.2
<b>70</b>	453.3	450.0	441.4	428.0	410.0	388.0	362.6	334.7	305.5	275.1
<b>75</b>	453.3	449.8	441.3	427.7	409.9	387.9	362.6	334.8	305.4	274.9
<b>80</b>	453.3	450.0	441.1	427.6	409.7	387.7	362.5	334.7	305.3	274.7
<b>85</b>	453.3	449.8	441.0	427.4	409.5	387.7	362.3	334.6	305.2	274.5
<b>90</b>	453.3	449.5	440.9	427.4	409.3	387.4	362.2	334.4	304.9	274.1
<b>95</b>	453.3	449.6	440.7	427.1	409.0	387.2	361.8	334.0	304.4	273.6
<b>100</b>	453.3	449.4	440.6	426.8	408.8	386.7	361.5	333.5	303.9	273.0
<b>105</b>	453.3	449.5	440.3	426.7	408.6	386.4	361.0	333.0	303.2	272.3
<b>110</b>	453.3	449.2	440.3	426.5	408.2	386.1	360.5	332.4	302.7	271.6
<b>115</b>	453.3	449.2	440.0	426.2	407.9	385.5	359.9	331.8	301.9	270.9
<b>120</b>	453.3	449.1	439.9	426.0	407.6	385.1	359.5	331.3	301.4	270.1
<b>125</b>	453.3	449.2	439.6	425.7	407.2	384.6	358.8	330.6	300.9	269.5
<b>130</b>	453.3	448.9	439.5	425.3	406.7	384.1	358.4	330.1	300.3	269.1
<b>135</b>	453.3	448.7	439.3	425.1	406.4	383.6	358.0	329.6	299.9	268.9
<b>140</b>	453.3	448.8	439.1	424.8	406.0	383.3	357.4	329.2	299.4	268.6
<b>145</b>	453.3	448.7	439.1	424.7	405.7	382.8	357.0	328.8	299.1	268.3
<b>150</b>	453.3	448.6	438.9	424.4	405.5	382.5	356.6	328.4	298.8	268.1
<b>155</b>	453.3	448.5	438.9	424.3	405.3	382.3	356.4	328.3	298.7	268.0
<b>160</b>	453.3	448.6	438.8	424.2	405.2	382.1	356.3	328.1	298.6	268.1
<b>165</b>	453.3	448.5	438.7	423.9	405.0	382.1	356.3	328.2	298.7	268.1
<b>170</b>	453.3	448.5	438.7	424.1	405.0	382.0	356.3	328.2	298.8	268.4
<b>175</b>	453.3	448.4	438.7	424.0	405.1	382.2	356.3	328.4	298.9	268.7
<b>180</b>	453.3	448.5	438.8	424.1	405.1	382.2	356.6	328.6	299.3	268.9
<b>185</b>	453.3	448.4	438.7	424.1	405.2	382.4	356.7	328.8	299.7	269.3
<b>190</b>	453.3	448.4	438.8	424.2	405.4	382.6	357.1	329.1	300.0	269.7
<b>195</b>	453.3	448.5	438.8	424.4	405.6	382.8	357.3	329.4	300.3	270.0
<b>200</b>	453.3	448.4	438.9	424.5	405.8	383.2	357.6	329.8	300.6	270.3
<b>205</b>	453.3	448.7	439.1	424.8	406.0	383.4	358.1	330.0	301.0	270.6
<b>210</b>	453.3	448.6	439.0	424.9	406.3	383.9	358.4	330.5	301.5	270.9
<b>215</b>	453.3	448.7	439.3	425.2	406.6	384.3	358.9	330.9	301.9	271.3
<b>220</b>	453.3	448.7	439.3	425.4	407.0	384.8	359.4	331.4	302.4	271.7
<b>225</b>	453.3	448.8	439.5	425.7	407.5	385.3	359.9	331.9	303.0	272.2
<b>230</b>	453.3	448.9	439.7	426.1	407.9	385.8	360.6	332.7	303.5	272.7
<b>235</b>	453.3	448.9	439.8	426.4	408.4	386.5	361.2	333.4	304.3	273.4

**Photometric Data Table [Unit:cd] CMED-513-23-830-BN**

<b>240</b>	453.3	449.1	440.1	426.8	408.9	387.0	362.0	334.1	305.0	274.1
<b>245</b>	453.3	449.2	440.2	427.1	409.3	387.8	362.7	335.0	306.0	274.9
<b>250</b>	453.3	449.3	440.6	427.5	409.9	388.4	363.4	335.8	306.9	275.9
<b>255</b>	453.3	449.4	440.6	427.7	410.4	389.0	364.3	336.9	307.6	276.7
<b>260</b>	453.3	449.3	440.9	428.1	410.9	389.8	365.2	337.7	308.5	277.5
<b>265</b>	453.3	449.5	441.1	428.4	411.3	390.4	365.8	338.5	309.3	278.3
<b>270</b>	453.3	449.4	441.3	428.7	411.8	390.9	366.5	339.2	310.1	278.9
<b>275</b>	453.3	449.5	441.5	429.0	412.0	391.3	366.9	339.6	310.6	279.6
<b>280</b>	453.3	449.6	441.5	429.2	412.4	391.7	367.3	340.0	310.9	279.8
<b>285</b>	453.3	449.6	441.8	429.5	412.5	391.8	367.6	340.1	311.0	279.9
<b>290</b>	453.3	449.7	441.8	429.5	412.8	392.0	367.6	340.1	310.9	280.0
<b>295</b>	453.3	449.8	442.1	429.7	412.8	392.1	367.6	340.2	310.9	279.9
<b>300</b>	453.3	449.8	442.2	429.7	413.0	391.9	367.6	340.0	310.7	280.0
<b>305</b>	453.3	450.0	442.1	429.8	412.8	391.9	367.3	339.9	310.6	280.0
<b>310</b>	453.3	449.8	442.2	429.8	412.8	391.8	367.2	339.8	310.5	280.0
<b>315</b>	453.3	449.9	442.2	429.7	412.7	391.6	367.1	339.6	310.5	280.3
<b>320</b>	453.3	449.9	442.2	429.8	412.7	391.6	366.8	339.6	310.5	280.3
<b>325</b>	453.3	449.9	442.2	429.6	412.6	391.4	366.8	339.5	310.4	280.4
<b>330</b>	453.3	449.9	442.2	429.7	412.4	391.3	366.6	339.4	310.6	280.5
<b>335</b>	453.3	449.8	442.2	429.5	412.4	391.3	366.6	339.5	310.7	280.8
<b>340</b>	453.3	450.0	442.2	429.5	412.2	391.0	366.6	339.5	310.8	281.0
<b>345</b>	453.3	449.9	442.1	429.4	412.2	391.0	366.6	339.6	311.0	281.3
<b>350</b>	453.3	449.9	442.0	429.3	412.0	391.0	366.6	339.8	311.3	281.6
<b>355</b>	453.3	449.9	442.1	429.2	411.9	390.9	366.5	339.7	311.3	281.8
<b>360</b>	453.3	450.6	442.4	429.4	412.2	391.0	366.6	339.9	311.4	281.9

<b>C\G</b>	<b>50</b>	<b>55</b>	<b>60</b>	<b>65</b>	<b>70</b>	<b>75</b>	<b>80</b>	<b>85</b>	<b>90</b>
<b>0</b>	251.8	221.7	191.8	163.0	135.9	110.6	87.9	68.3	52.1
<b>5</b>	251.8	221.6	191.7	163.0	135.9	110.6	87.9	68.3	52.1
<b>10</b>	251.4	221.3	191.5	162.7	135.7	110.3	87.7	68.2	52.1
<b>15</b>	251.0	220.9	191.0	162.3	135.3	110.1	87.4	68.0	52.0
<b>20</b>	250.4	220.2	190.4	161.8	134.8	109.7	87.1	67.8	51.9
<b>25</b>	249.7	219.5	189.7	161.1	134.2	109.2	86.8	67.6	51.8
<b>30</b>	248.9	218.7	189.0	160.5	133.5	108.6	86.4	67.3	51.7
<b>35</b>	248.0	217.9	188.2	159.7	132.9	108.0	86.0	67.0	51.5
<b>40</b>	247.3	217.1	187.4	159.0	132.2	107.5	85.5	66.7	51.3
<b>45</b>	246.6	216.4	186.7	158.3	131.6	106.9	85.1	66.5	51.1
<b>50</b>	246.0	215.8	186.1	157.7	131.1	106.5	84.7	66.2	50.9
<b>55</b>	245.4	215.2	185.5	157.2	130.5	106.0	84.3	65.8	50.6
<b>60</b>	245.1	214.7	185.1	156.7	130.1	105.5	83.9	65.4	50.4
<b>65</b>	244.7	214.4	184.6	156.3	129.6	105.0	83.4	65.0	50.1
<b>70</b>	244.5	214.1	184.3	155.8	129.1	104.6	83.0	64.6	49.8
<b>75</b>	244.2	213.7	183.8	155.3	128.6	104.1	82.5	64.2	49.6
<b>80</b>	244.0	213.3	183.4	154.9	128.2	103.7	82.1	63.8	49.3
<b>85</b>	243.7	212.9	182.9	154.3	127.6	103.2	81.6	63.4	49.0
<b>90</b>	243.1	212.4	182.3	153.8	127.1	102.8	81.2	63.1	48.7
<b>95</b>	242.7	211.7	181.8	153.2	126.6	102.4	80.9	62.8	48.5
<b>100</b>	242.0	211.1	181.1	152.7	126.2	102.0	80.5	62.5	48.2

**Photometric Data Table [Unit:cd] CMED-513-23-830-BN**

<b>105</b>	241.3	210.4	180.5	152.2	125.8	101.7	80.3	62.3	48.0
<b>110</b>	240.5	209.7	179.9	151.8	125.5	101.4	80.1	62.3	47.9
<b>115</b>	239.9	209.2	179.4	151.3	125.2	101.3	79.9	62.4	47.7
<b>120</b>	239.1	208.4	178.8	150.9	124.9	101.2	79.9	62.1	47.7
<b>125</b>	238.7	208.0	178.5	150.7	124.7	101.1	79.7	61.8	47.5
<b>130</b>	238.3	207.7	178.3	150.6	124.7	101.0	79.7	61.7	47.5
<b>135</b>	238.1	207.6	178.2	150.5	124.6	100.9	79.6	61.6	47.4
<b>140</b>	237.8	207.4	178.1	150.5	124.7	100.8	79.6	61.5	47.3
<b>145</b>	237.6	207.3	178.1	150.5	124.7	100.8	79.6	61.5	47.2
<b>150</b>	237.5	207.3	178.1	150.5	124.7	100.9	79.5	61.4	47.1
<b>155</b>	237.4	207.3	178.1	150.7	124.8	101.0	79.6	61.4	47.1
<b>160</b>	237.6	207.4	178.4	150.8	125.0	101.1	79.7	61.4	47.0
<b>165</b>	237.7	207.5	178.5	151.0	125.2	101.2	79.8	61.4	46.9
<b>170</b>	237.9	207.8	178.7	151.2	125.4	101.4	79.9	61.5	46.9
<b>175</b>	238.1	208.1	179.0	151.5	125.7	101.7	80.0	61.5	46.9
<b>180</b>	238.4	208.3	179.2	151.6	125.8	101.8	80.1	61.6	46.9
<b>185</b>	238.8	208.6	179.5	151.9	126.1	102.0	80.2	61.7	46.9
<b>190</b>	239.1	208.9	179.6	152.1	126.2	102.1	80.3	61.7	46.9
<b>195</b>	239.3	209.0	179.8	152.2	126.3	102.1	80.4	61.7	46.9
<b>200</b>	239.7	209.3	179.9	152.3	126.3	102.1	80.4	61.7	46.9
<b>205</b>	239.9	209.4	180.0	152.2	126.3	102.1	80.4	61.8	46.9
<b>210</b>	240.0	209.5	180.0	152.2	126.2	102.1	80.4	61.8	47.0
<b>215</b>	240.3	209.7	180.0	152.3	126.2	102.1	80.5	61.9	47.0
<b>220</b>	240.6	209.9	180.2	152.3	126.3	102.2	80.6	62.0	47.1
<b>225</b>	241.0	210.2	180.4	152.5	126.4	102.2	80.6	62.1	47.1
<b>230</b>	241.4	210.5	180.7	152.6	126.5	102.3	80.7	62.2	47.2
<b>235</b>	242.1	211.1	181.0	152.9	126.6	102.4	80.8	62.2	47.3
<b>240</b>	242.7	211.6	181.5	153.2	126.8	102.5	80.9	62.3	47.3
<b>245</b>	243.4	212.2	182.0	153.5	127.0	102.6	81.0	62.4	47.4
<b>250</b>	244.3	212.9	182.5	153.8	127.3	102.8	81.1	62.5	47.4
<b>255</b>	245.0	213.5	182.9	154.2	127.4	102.9	81.2	62.6	47.5
<b>260</b>	245.9	214.2	183.5	154.5	127.7	103.1	81.3	62.7	47.6
<b>265</b>	246.5	214.7	184.0	154.8	128.0	103.3	81.5	62.9	47.8
<b>270</b>	247.2	215.3	184.4	155.2	128.2	103.6	81.8	63.1	47.9
<b>275</b>	247.6	215.7	184.8	155.5	128.5	103.8	82.0	63.3	48.1
<b>280</b>	247.9	216.1	185.1	155.9	128.8	104.2	82.3	63.6	48.4
<b>285</b>	248.2	216.3	185.5	156.2	129.2	104.6	82.7	63.9	48.6
<b>290</b>	248.2	216.7	185.8	156.7	129.7	104.9	83.1	64.3	48.9
<b>295</b>	248.4	216.9	186.2	157.1	130.2	105.5	83.6	64.7	49.3
<b>300</b>	248.5	217.2	186.7	157.7	130.8	106.1	84.1	65.2	49.7
<b>305</b>	248.7	217.6	187.2	158.3	131.4	106.7	84.7	65.7	50.1
<b>310</b>	249.0	218.0	187.7	158.9	132.0	107.3	85.3	66.1	50.4
<b>315</b>	249.2	218.4	188.2	159.5	132.6	107.9	85.7	66.5	50.7
<b>320</b>	249.5	218.7	188.7	160.0	133.1	108.3	86.2	66.9	51.0
<b>325</b>	249.8	219.2	189.1	160.5	133.6	108.8	86.5	67.2	51.2
<b>330</b>	250.0	219.5	189.6	160.9	134.1	109.1	86.8	67.4	51.4
<b>335</b>	250.2	220.0	190.0	161.4	134.4	109.5	87.0	67.6	51.5
<b>340</b>	250.7	220.4	190.5	161.8	134.7	109.8	87.3	67.8	51.7
<b>345</b>	251.0	220.8	190.9	162.2	135.1	110.0	87.5	67.9	51.8

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**Photometric Data Table [Unit:cd] CMED-513-23-830-BN**

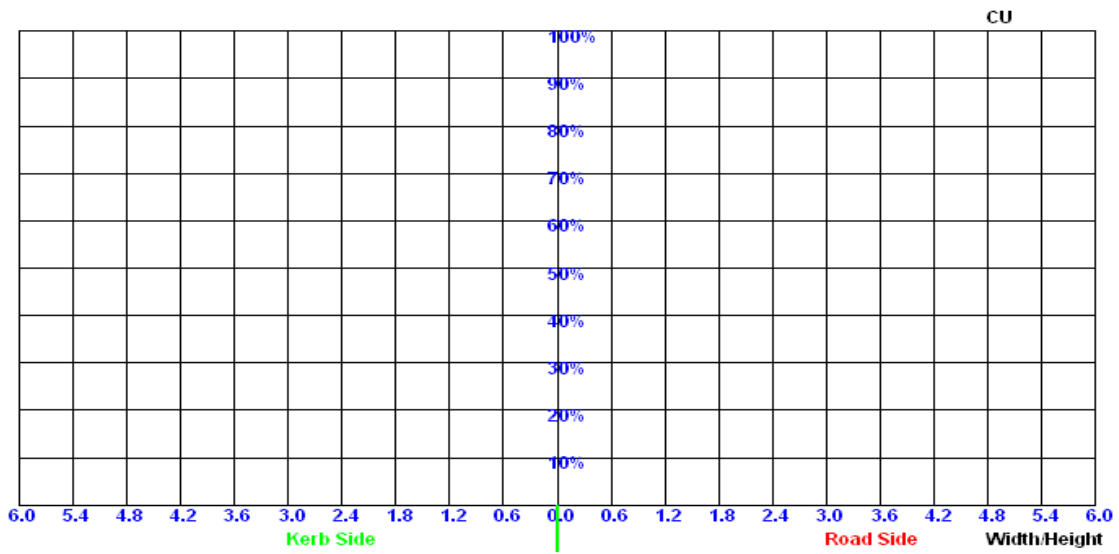
<b>350</b>	251.4	221.2	191.2	162.6	135.4	110.3	87.7	68.1	51.9
<b>355</b>	251.6	221.4	191.6	162.8	135.7	110.5	87.9	68.2	52.0
<b>360</b>	251.8	221.7	191.8	163.0	135.9	110.6	87.9	68.3	52.1

**Zonal FluxCMED-513-23-830-BN**

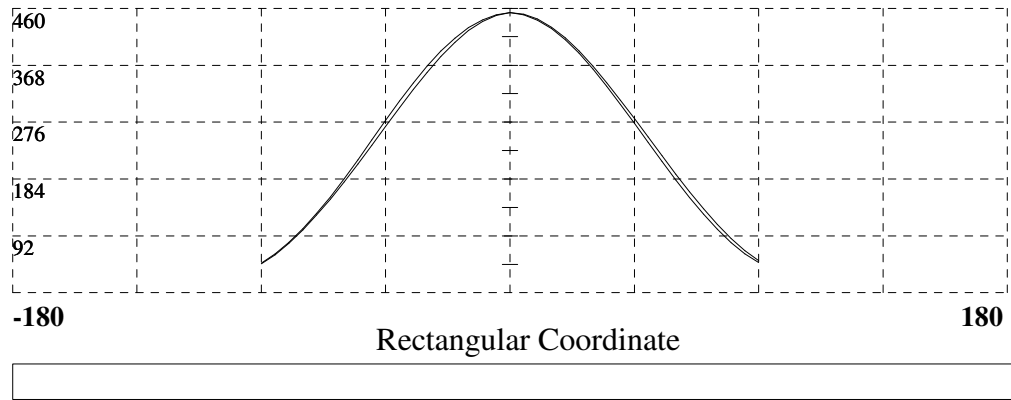
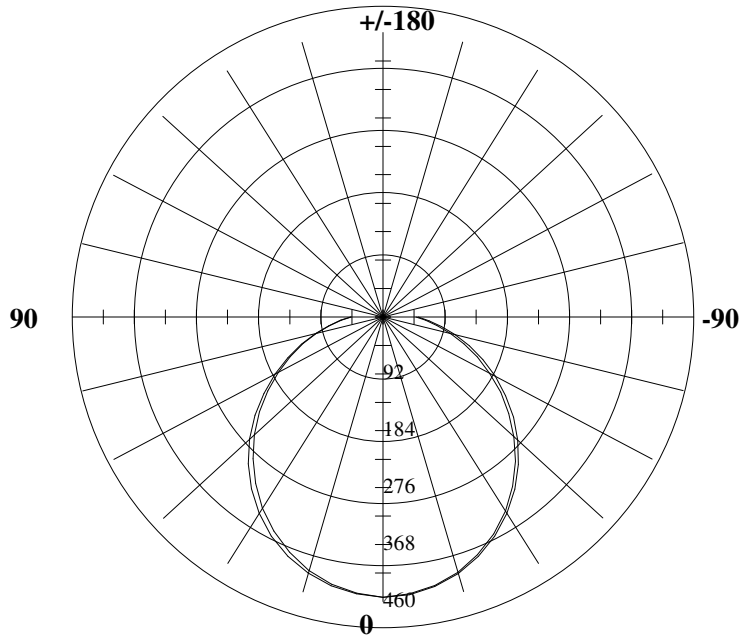
<b>Gamma [°]</b>	<b>I<sub>mean</sub> [cd]</b>	<b>Zonal Flux [lm]</b>	<b>Sum.Flux [lm]</b>	<b>Zonal Flux [%]</b>	<b>Sum.Flux [%]</b>
<b>0</b>	453.28	0.00	0.00	0.00	0.00
<b>5</b>	449.45	10.79	10.79	-1079.19	-1079.19
<b>10</b>	440.75	31.85	42.64	-3184.55	-4263.75
<b>15</b>	427.29	51.49	94.13	-5149.21	-9412.96
<b>20</b>	409.42	68.96	163.09	-6895.73	-16308.68
<b>25</b>	387.57	83.59	246.68	-8359.02	-24667.70
<b>30</b>	362.49	94.92	341.60	-9492.15	-34159.86
<b>35</b>	334.84	102.69	444.29	-10268.74	-44428.63
<b>40</b>	305.67	106.86	551.15	-10686.42	-55115.06
<b>45</b>	275.19	107.55	658.70	-10755.05	-65870.12
<b>50</b>	244.39	104.99	763.69	-10498.78	-76368.91
<b>55</b>	213.72	99.61	863.30	-9960.77	-86329.69
<b>60</b>	183.87	91.90	955.20	-9190.32	-95520.00
<b>65</b>	155.54	82.51	1037.71	-8251.11	-103771.09
<b>70</b>	129.02	72.05	1109.76	-7205.10	-110976.20
<b>75</b>	104.57	61.06	1170.82	-6105.54	-117081.70
<b>80</b>	82.74	50.12	1220.94	-5011.84	-122093.55
<b>85</b>	64.07	39.89	1260.83	-3989.18	-126082.74
<b>90</b>	48.98	30.95	1291.78	-3095.41	-129178.16

**ILSUNG**

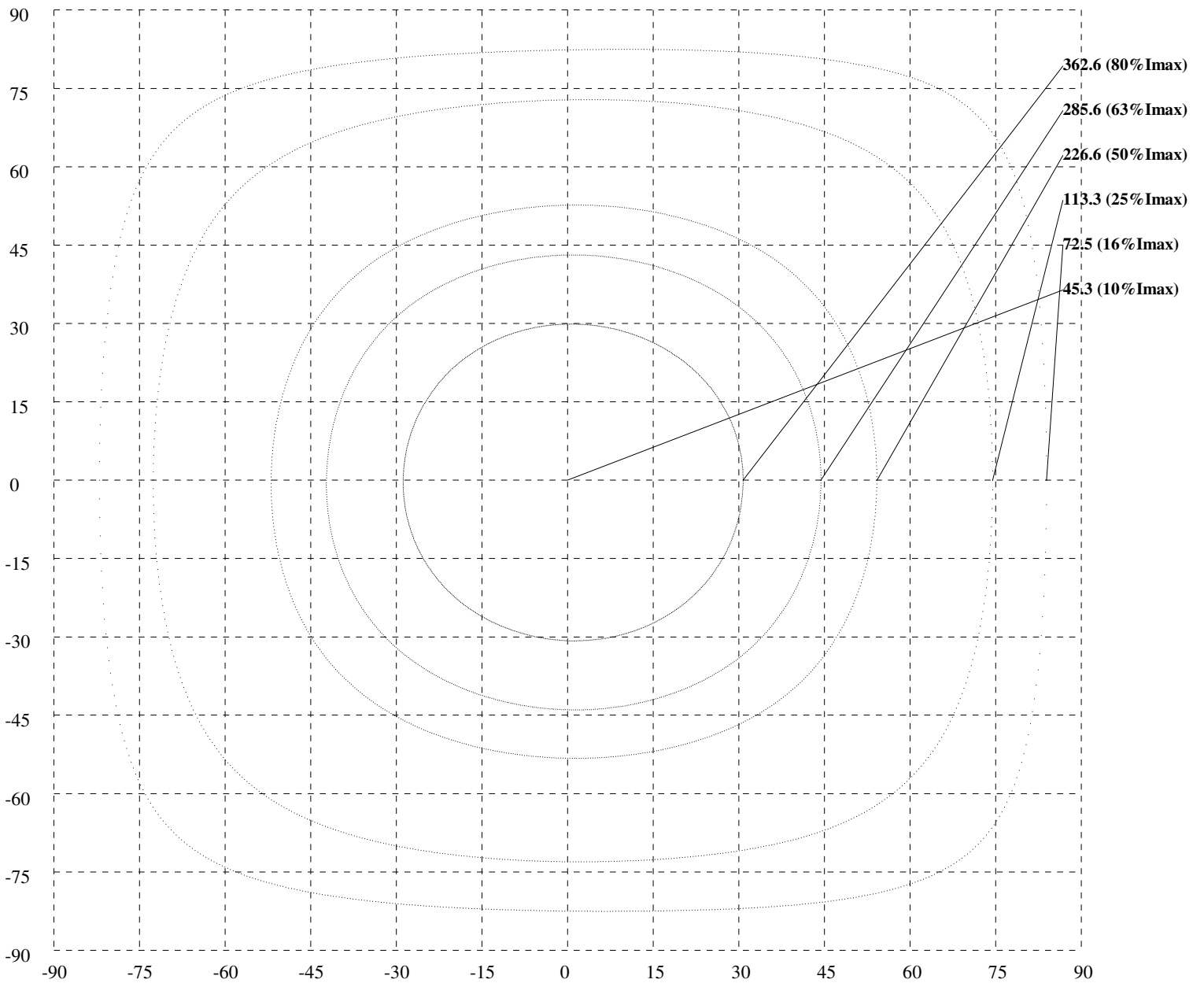
**Coefficient Utilization Curve CMED-513-23-830-BN**



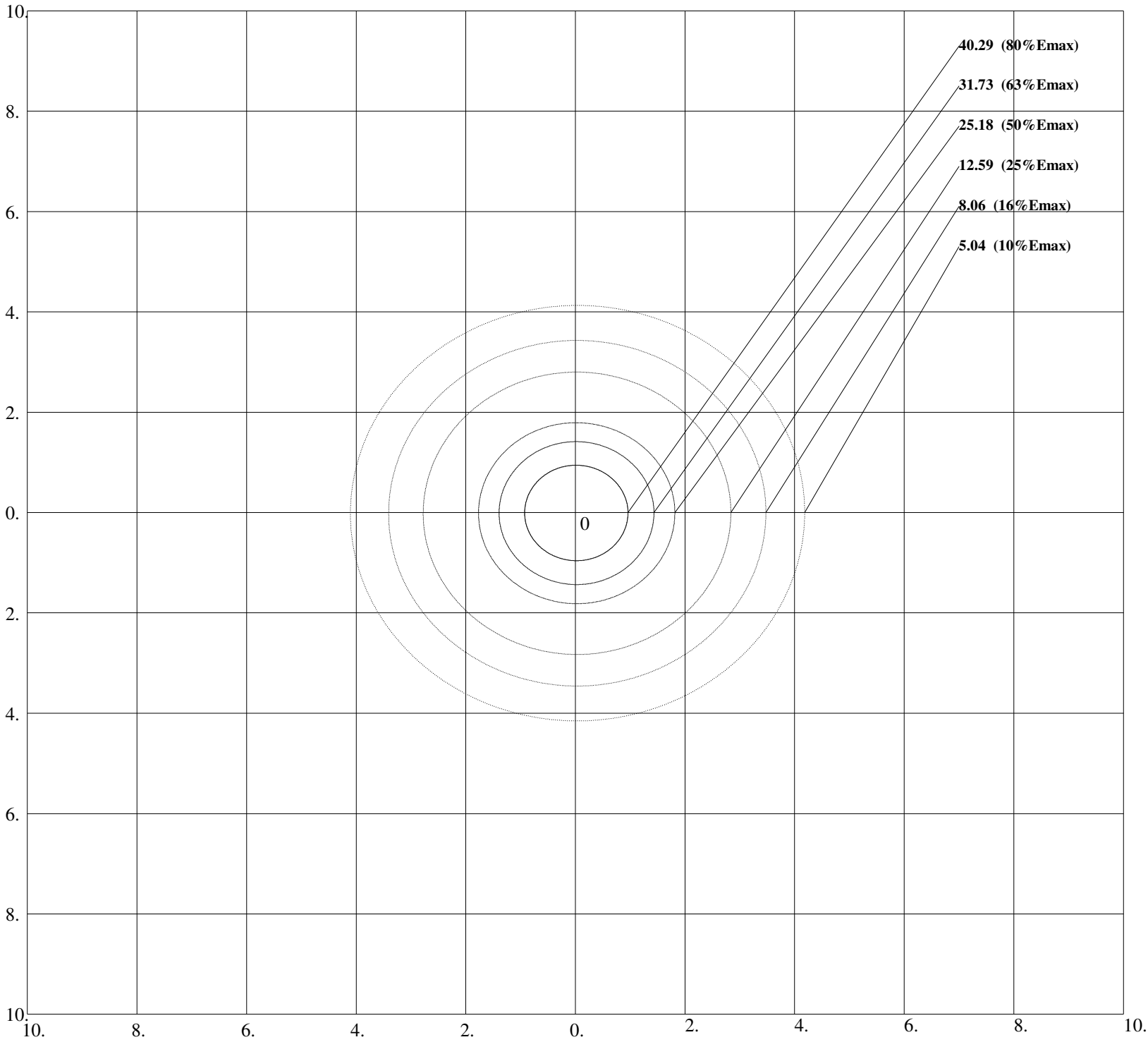
Light Distribution Curve[Unit: cd]







**Iso-Lux [Unit :lx]CMED-513-23-830-BN**



Units: lx  
Height: 3 m  
Max Illuminance : 50.36lx

**ILSUNG**  
**Lux-Distance Curve**

