

Recessed Retrofit



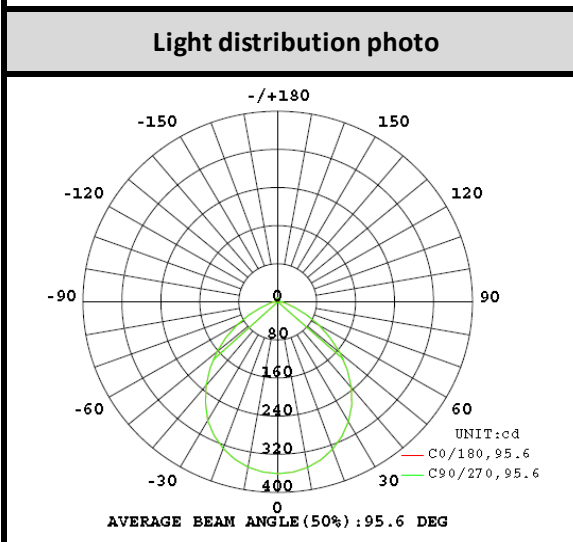
4-Inch 8W CRI80 (Round & Square)

Photometric Data_Residential DL round&square

Residential DL 4''_8W_CRI80_3000K (R4R8830120WS) (R4R8830120WB)

Product Key Parameter	
Input Voltage(VAC)	120
System Level Power(W)	7.63
Delivered Lumens(Lm)	849.2
System efficacy(Lm/W)	111.3
CCT(K)	3054
Coloer Rendering Index(CRI)	82.8
Beam Angle(°)	95.6
Spacing Criteria	5

Note: Use LM-79 testing data



Intensity Summary (Candle Power)	
Angle(°)	Mean CP
0	361
5	359
15	343
25	312
35	265
45	202
55	131
65	65.9
75	23.6
85	10.4
90	4.9

Cone of Light Tabulation		
Mounted Height (Feet)	Footcandles Beam Center	Diameter (Feet)
2	90.2	4.4
4	22.5	8.8
6	10.0	13.2
8	5.6	17.6
10	3.6	22.1
12	2.5	26.5
14	1.8	30.9
16	1.4	35.3

Zonal Lumen Summary		
Zone(°)	Lumen	% of Luminaire
0-30	273	32.2%
0-60	708	83.3%
0-90	812	95.6%
0-120	828	97.5%
120-180	21	2.5%
0-180	849	100.0%

CCT Data Multiplier	
2700K	0.954
3000K	1.000
3500K	1.016
4000K	1.057
5000K	/

Recessed Retrofit

4-Inch 8W CRI90 (Round & Square)

Photometric Data_Residential DL round

Residential DL 4" _8W_CRI90_3000K		(R4R8930120WS) (R4R8930120WB)	
Product Key Parameter			
Input Voltage(VAC)	120		
System Level Power(W)	7.56		
Delivered Lumens(Lm)	747.9		
System efficacy(Lm/W)	98.9		
CCT(K)	3038		
Colour Rendering Index(CRI)	93.9		
Beam Angle(°)	95.4		
Spacing Criteria	5		
Note: Use LM-79 testing data			
Light distribution photo		Intensity Summary (Candle Power)	
		Angle(°)	Mean CP
		0	319
		5	317
		15	302
		25	273
		35	231
		45	175
		55	112
		65	55.3
		75	19.5
CCT Data Multiplier			
2700K	0.963		
3000K	1.000		
3500K	1.031		
4000K	1.046		
5000K	/		
Cone of Light Tabulation			
Mounted Height (Feet)	Footcandles Beam Center	Diameter (Feet)	
2	79.8	4.4	
4	19.9	8.8	
6	8.7	13.2	
8	5.0	17.6	
10	3.2	22.0	
12	2.2	26.4	
14	1.6	30.8	
16	1.2	35.2	
Zonal Lumen Summary			
Zone(°)	Lumen	% of Luminaire	
0-30	240	32.1%	
0-60	623	83.3%	
0-90	715	95.6%	
0-120	729	97.5%	
120-180	19	2.5%	
0-180	748	100.0%	

Recessed Retrofit



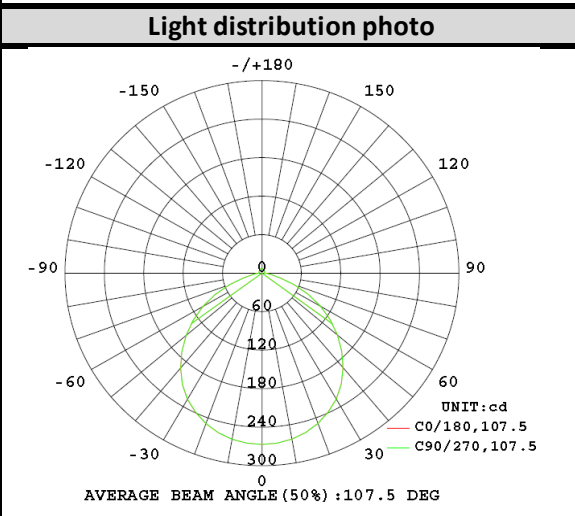
4-Inch 7W CRI80 (Square)

Photometric Data_Residential DL square

Residential DL 4" _7W_CRI80_3000K (R4S7830120WB)

Product Key Parameter	
Input Voltage(VAC)	120
System Level Power(W)	6.41
Delivered Lumens(Lm)	746.3
System efficacy(Lm/W)	116.4
CCT(K)	2992
Colour Rendering Index(CRI)	82.4
Beam Angle(°)	107.5
Spacing Criteria	5

Note: Use LM-79 testing data



Intensity Summary	
Angle(°)	Mean CP
0	267
5	266
15	257
25	239
35	211
45	172
55	127
65	77.7
75	28.4
85	8.8
90	4.6

Cone of Light Tabulation		
Mounted Height (Feet)	Footcandles Beam Center	Diameter (Feet)
2	66.8	5.5
4	16.7	10.9
6	7.4	16.4
8	4.2	21.8
10	2.7	27.3
12	1.9	32.7
14	1.4	38.2
16	1.0	42.6

Zonal Lumen Summary		
Zone(°)	Lumen	% of Luminaire
0-30	208	27.9%
0-60	591	79.2%
0-90	713	95.6%
0-120	728	97.6%
120-180	18	2.4%
0-180	746	100.0%

CCT Data Multiplier	
2700K	0.933
3000K	1.000
3500K	/
4000K	1.030
5000K	/

Recessed Retrofit



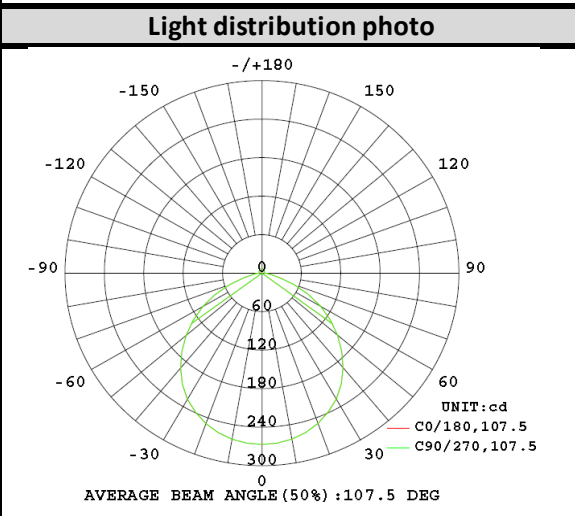
4-Inch 7W CRI90 (Square)

Photometric Data_Residential DL square

Residential DL 4" _7W_CRI80_3000K (R4S7830120WB)

Product Key Parameter	
Input Voltage(VAC)	120
System Level Power(W)	6.41
Delivered Lumens(Lm)	746.3
System efficacy(Lm/W)	116.4
CCT(K)	2992
Colour Rendering Index(CRI)	82.4
Beam Angle(°)	107.5
Spacing Criteria	5

Note: Use LM-79 testing data



Intensity Summary

Angle(°)	Mean CP
0	267
5	266
15	257
25	239
35	211
45	172
55	127
65	77.7
75	28.4
85	8.8
90	4.6

Cone of Light Tabulation

Mounted Height (Feet)	Footcandles Beam Center	Diameter (Feet)
2	66.8	5.5
4	16.7	10.9
6	7.4	16.4
8	4.2	21.8
10	2.7	27.3
12	1.9	32.7
14	1.4	38.2
16	1.0	42.6

Zonal Lumen Summary

Zone(°)	Lumen	% of Luminaire
0-30	208	27.9%
0-60	591	79.2%
0-90	713	95.6%
0-120	728	97.6%
120-180	18	2.4%
0-180	746	100.0%

CCT Data Multiplier

2700K	0.933
3000K	1.000
3500K	/
4000K	1.030
5000K	/

Recessed Retrofit



6-Inch 8W CRI80 (Round)

Photometric Data_Residential DL round

Residential DL 6" 8W_CRI80_3000K

(R6R8830120WS)

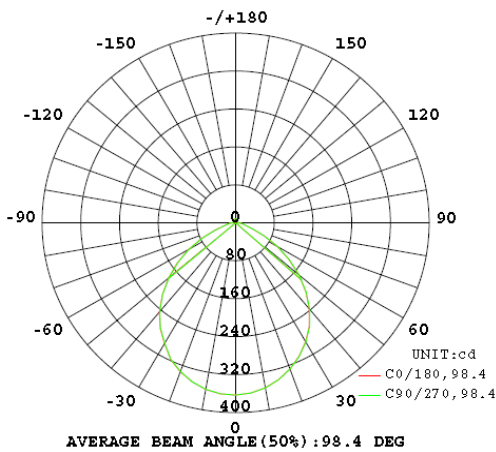
(R6R8830120WB)

Product Key Parameter

Input Voltage(VAC)	120
System Level Power(W)	7.66
Delivered Lumens(Lm)	879.3
System efficacy(Lm/W)	114.8
CCT(K)	3061
Colour Rendering Index(CRI)	82.5
Beam Angle(°)	98.4
Spacing Criteria	5

Note: Use LM-79 testing data

Light distribution photo



Intensity Summary (Candle Power)

Angle(°)	Mean CP
0	363
5	360
15	342
25	310
35	266
45	205
55	134
65	64.7
75	21.6
85	9.34
90	5.05

Cone of Light Tabulation

Mounted Height (Feet)	Footcandles Beam Center	Diameter (Feet)
2	90.8	4.6
4	22.7	9.3
6	10.1	13.9
8	5.7	18.5
10	3.6	23.2
12	2.5	27.8
14	1.9	32.4
16	1.4	37.0

Zonal Lumen Summary

Zone(°)	Lumen	% of Luminaire
0-30	276	31.3%
0-60	731	83.1%
0-90	841	95.6%
0-120	858	97.5%
120-180	22	2.5%
0-180	879	100.0%

CCT Data Multiplier

2700K	0.981
3000K	1.000
3500K	1.020
4000K	1.052
5000K	/

Recessed Retrofit



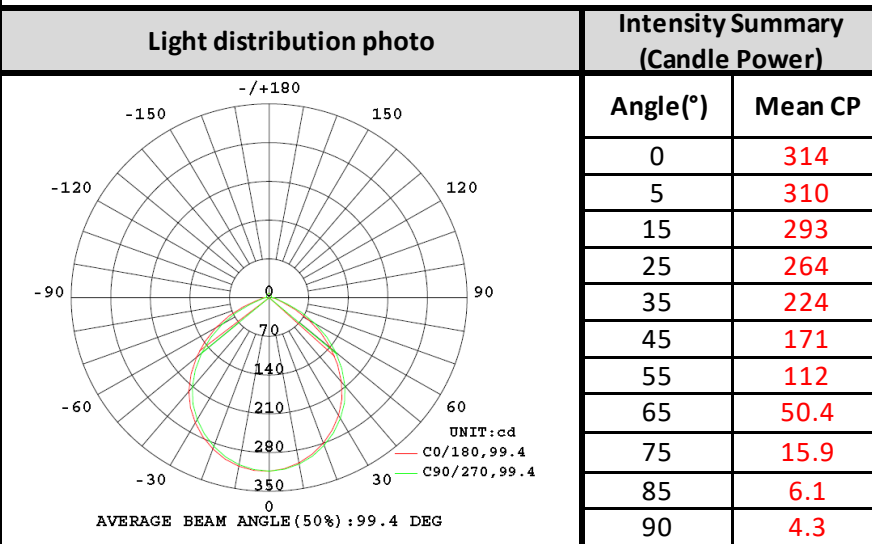
6-Inch 8W CRI90 (Round)

Photometric Data_Residential DL round

Residential DL 6" 8W_CRI90_3000K (R6R8930120WS) (R6R8930120WB)

Product Key Parameter	
Input Voltage(VAC)	120
System Level Power(W)	7.71
Delivered Lumens(Lm)	768.7
System efficacy(Lm/W)	99.7
CCT(K)	3065
Colour Rendering Index(CRI)	93.6
Beam Angle(°)	99.4
Spacing Criteria	5

Note: Use LM-79 testing data



Cone of Light Tabulation		
Mounted Height (Feet)	Footcandles Beam Center	Diameter (Feet)
2	78.4	4.7
4	19.6	9.4
6	8.7	14.1
8	4.9	18.8
10	3.1	23.6
12	2.2	28.3
14	1.6	33.0
16	1.2	37.7

CCT Data Multiplier	
2700K	0.958
3000K	1.000
3500K	1.083
4000K	1.036
5000K	/

Zonal Lumen Summary		
Zone(°)	Lumen	% of Luminaire
0-30	238	31.0%
0-60	637	82.9%
0-90	735	95.6%
0-120	750	97.5%
120-180	19	2.5%
0-180	769	100.0%

Recessed Retrofit



6-Inch 10.5W CRI90 (Round)

Photometric Data_Residential DL round

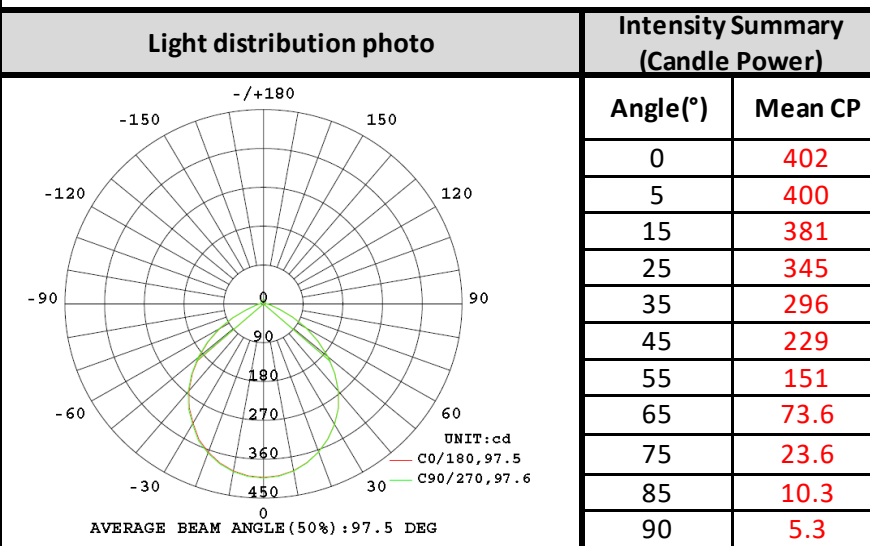
Residential DL 6" 10.5W CRI90 3000K

(R6R11930120WS)

(R6R11930120WB)

Product Key Parameter	
Input Voltage(VAC)	120
System Level Power(W)	9.77
Delivered Lumens(Lm)	960.6
System efficacy(Lm/W)	98.3
CCT(K)	3063
Colour Rendering Index(CRI)	93.6
Beam Angle(°)	97.5
Spacing Criteria	5

Note: Use LM-79 testing data



Cone of Light Tabulation		
Mounted Height (Feet)	Footcandles Beam Center	Diameter (Feet)
2	100.9	4.5
4	25.2	9.1
6	11.2	13.6
8	6.3	18.2
10	4.0	22.7
12	2.8	27.2
14	2.1	31.8
16	1.6	36.3

CCT Data Multiplier	
2700K	0.937
3000K	1.000
3500K	1.046
4000K	1.065
5000K	/

Zonal Lumen Summary		
Zone(°)	Lumen	% of Luminaire
0-30	305	31.8%
0-60	803	83.6%
0-90	919	95.7%
0-120	937	97.5%
120-180	24	2.5%
0-180	961	100.0%

Recessed Retrofit



6-Inch 14W CRI80 (Round)

Photometric Data_Residential DL round

Residential DL 6" 14W_CRI80_3000K

(R6R14830120WS)

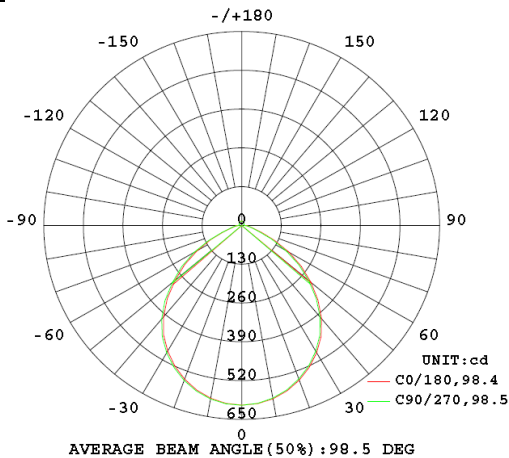
(R6R14830120WB)

Product Key Parameter

Input Voltage(VAC)	120
System Level Power(W)	13.9
Delivered Lumens(Lm)	1464
System efficacy(Lm/W)	105.3
CCT(K)	3061
Colour Rendering Index(CRI)	83.4
Beam Angle(°)	98.5
Spacing Criteria	5

Note: Use LM-79 testing data

Light distribution photo



Intensity Summary (Candle Power)

Angle(°)	Mean CP
0	602
5	599
15	574
25	525
35	454
45	354
55	239
65	118
75	40.7
85	18.6
90	8.7

Cone of Light Tabulation

Mounted Height (Feet)	Footcandles Beam Center	Diameter (Feet)
2	150.6	4.6
4	37.6	9.3
6	16.7	13.9
8	9.4	18.5
10	6.0	23.2
12	4.2	27.8
14	3.1	32.4
16	2.4	37.1

Zonal Lumen Summary

Zone(°)	Lumen	% of Luminaire
0-30	459	31.4%
0-60	1219	83.3%
0-90	1400	95.7%
0-120	1428	97.5%
120-180	36	2.5%
0-180	1464	100.0%

CCT Data Multiplier

2700K	0.982
3000K	1.000
3500K	1.025
4000K	1.055
5000K	/

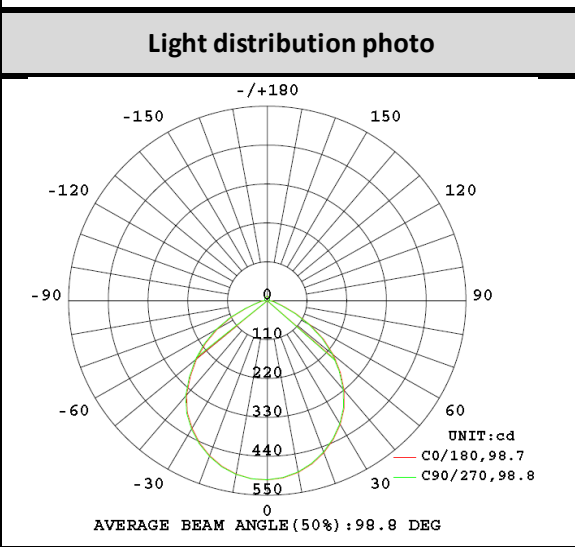
6-Inch 14W CRI90 (Round)

Photometric Data_Residential DL round

Residential DL 6" 14W CRI90 3000K (R6R14930120WS) (R6R14930120WB)

Product Key Parameter	
Input Voltage(VAC)	120
System Level Power(W)	13.7
Delivered Lumens(Lm)	1231.6
System efficacy(Lm/W)	89.9
CCT(K)	3042
Color Rendering Index(CRI)	91.8
Beam Angle(°)	98.8
Spacing Criteria	5

Note: Use LM-79 testing data



Intensity Summary (Candle Power)	
Angle(°)	Mean CP
0	507
5	503
15	478
25	433
35	371
45	286
55	190
65	88.6
75	28.4
85	12.4
90	7

CCT Data Multiplier	
2700K	1.000
3000K	1.000
3500K	0.988
4000K	1.039
5000K	/

Cone of Light Tabulation		
Mounted Height (Feet)	Footcandles Beam Center	Diameter (Feet)
2	126.7	4.7
4	31.7	9.3
6	14.1	14.0
8	7.9	18.6
10	5.1	23.3
12	3.5	28.0
14	2.6	32.6
16	2.0	37.3

Zonal Lumen Summary		
Zone(°)	Lumen	% of Luminaire
0-30	385	31.3%
0-60	1025	83.2%
0-90	1178	95.6%
0-120	1201	97.5%
120-180	31	2.5%
0-180	1232	100.0%

Recessed Retrofit



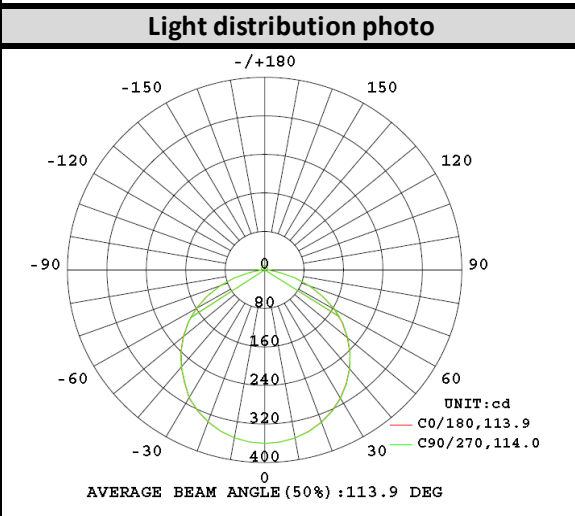
6-Inch 10W CRI80 (Square)

Photometric Data_Residential DL square

Residential DL 6" _10W_ CRI80_3000K (R6S10830120WB)

Product Key Parameter	
Input Voltage(VAC)	120
System Level Power(W)	9.76
Delivered Lumens(Lm)	1081.4
System efficacy(Lm/W)	110.8
CCT(K)	3006
Colour Rendering Index(CRI)	83.2
Beam Angle(°)	113.9
Spacing Criteria	5

Note: Use LM-79 testing data



Intensity Summary	
Angle(°)	Mean CP
0	360
5	359
15	347
25	323
35	288
45	244
55	192
65	129
75	62.5
85	10
90	6.9

Cone of Light Tabulation		
Mounted Height (Feet)	Footcandles Beam Center	Diameter (Feet)
2	90.2	6.1
4	22.6	12.2
6	10.0	18.4
8	5.6	24.5
10	3.6	30.6
12	2.5	36.7
14	1.8	42.9
16	1.4	49.0

Zonal Lumen Summary		
Zone(°)	Lumen	% of Luminaire
0-30	281	26.0%
0-60	819	75.8%
0-90	1034	95.6%
0-120	1056	97.6%
120-180	26	2.4%
0-180	1081	100.0%

CCT Data Multiplier	
2700K	0.965
3000K	1.000
3500K	/
4000K	1.056
5000K	/

Recessed Retrofit



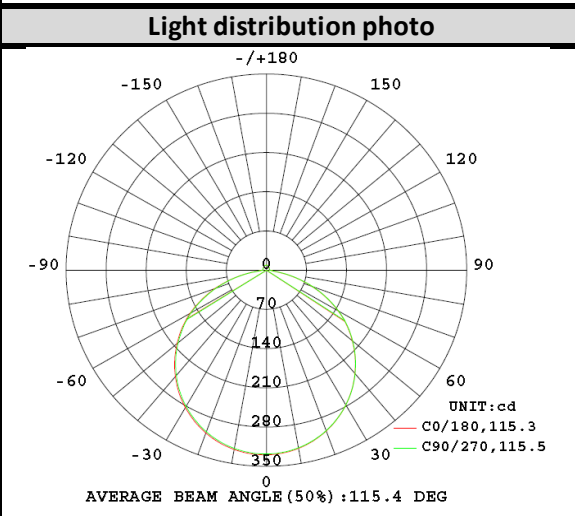
6-Inch 10W CRI90 (Square)

Photometric Data_Residential DL square

Residential DL 6" _10W_ CRI90_3000K (R6S10930120WB)

Product Key Parameter	
Input Voltage(VAC)	120
System Level Power(W)	9.76
Delivered Lumens(Lm)	917.5
System efficacy(Lm/W)	94
CCT(K)	2974
Colour Rendering Index(CRI)	91.8
Beam Angle(°)	115.4
Spacing Criteria	5

Note: Use LM-79 testing data



Intensity Summary	
Angle(°)	Mean CP
0	283
5	282
15	272
25	253
35	226
45	191
55	151
65	102
75	51.8
85	14.6
90	12.4

CCT Data Multiplier	
2700K	0.995
3000K	1.000
3500K	/
4000K	1.078
5000K	/

Cone of Light Tabulation		
Mounted Height (Feet)	Footcandles Beam Center	Diameter (Feet)
2	70.9	6.3
4	17.7	12.6
6	7.9	18.9
8	4.4	25.2
10	2.8	31.5
12	2.0	37.8
14	1.4	44.1
16	1.1	50.4

Zonal Lumen Summary		
Zone(°)	Lumen	% of Luminaire
0-30	221	24.0%
0-60	648	70.7%
0-90	837	91.2%
0-120	876	95.4%
120-180	42	4.6%
0-180	918	100.0%