20w Led Flood Light HLSWFE-20G

Light Output Ratio:	100.0%
Luminaire Power:	22.1 W
90% Beam Spread	74.2V x 49.8H
50% Beam Lumens	859.5 lumens per klm.

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Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity		414.1 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of Imax	118.1V x 119.5H
	At 50% of Imax	99.6V x 102.7H
	At 90% of Imax	76.1V x 72.4H
Beam Flux	Total	999.7 lumens per klm.
	To 10% of Imax	984.9 lumens per klm.
	To 50% of Imax	866.3 lumens per klm.
	To 90% of Imax	471.7 lumens per klm.
	Upward LOR	0.0 %
	Downward LOR	100.0 %
Luminaire Efficiency(light Output Ratio)		100.0 %

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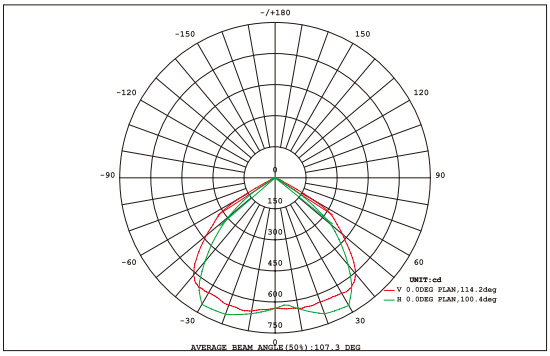
Luminaire Photomentric Test Report

Test:U:220.9V I:0.1030A P:21.60W PF:0.9430 Lamp Flux:1730.45x1 lm		
NAME: WEF-20LG	TYPE:	WEIGHT:1
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



DATA OF LAMP		Eff:80.11lm/W	
MODEL		Imax(cd)	716.5
NOMINAL POWER(W)	22	AVAILABILITY(%)	98.6
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	1706
NOMINAL FLUX(lm)	1730.45	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	1730
TEST VOLTAGE(V)	220.8	□ @50%(H,V)	103,100DEG

AREA FLUX DIAGRAM — UNIT:lm

VERTICAL(DEG)	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL(DEG)	20	30	40	50	60	70	80	90			□ t	□ a
90	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.04	0.04	0.04	0.05	0.03	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.28	0.00
80	0.00	0.00	0.00	0.01	0.03	0.08	0.16	0.21	0.22	0.22	0.22	0.16	0.09	0.04	0.01	0.00	0.00	0.00	0.00	1.44	0.00
70	0.00	0.00	0.01	0.03	0.13	0.41	0.75	0.96	1.03	1.03	0.96	0.73	0.44	0.16	0.05	0.01	0.00	0.00	0.00	6.72	0.00
60	0.00	0.00	0.02	0.20	2.08	3.59	4.76	5.53	5.87	5.88	5.49	4.73	3.55	2.15	0.28	0.03	0.01	0.00	0.00	44.2	41.3
50	0.00	0.01	0.04	1.43	5.90	9.41	11.5	12.9	13.7	13.7	12.9	11.5	9.24	5.89	1.59	0.06	0.01	0.00	0.00	110	109
40	0.00	0.01	0.07	3.57	9.26	14.3	16.8	18.5	19.4	19.4	18.4	16.8	14.1	9.08	3.79	0.11	0.01	0.00	0.00	164	163
30	0.00	0.01	0.26	5.01	10.9	16.4	18.9	20.7	21.6	21.4	20.6	19.0	16.4	10.8	5.23	0.33	0.02	0.00	0.00	188	187
20	0.00	0.01	0.53	5.76	11.3	16.3	18.6	20.1	20.6	20.4	19.9	18.5	16.5	11.2	5.87	0.60	0.02	0.00	0.00	186	186
10	0.00	0.02	0.70	6.10	11.5	15.9	17.8	19.2	19.2	19.0	18.7	17.5	15.9	11.2	6.13	0.79	0.02	0.00	0.00	180	179
0	0.00	0.02	0.59	5.89	11.4	16.0	18.0	19.6	19.8	19.7	19.2	17.9	16.0	11.1	5.90	0.67	0.02	0.00	0.00	182	181
-10	0.00	0.01	0.43	5.60	11.2	16.2	18.3	20.2	20.7	20.7	19.9	18.5	16.3	11.0	5.61	0.49	0.02	0.00	0.00	185	185
-20	0.00	0.01	0.22	4.92	10.7	16.0	18.4	20.5	21.2	21.3	20.2	18.6	15.9	10.5	4.92	0.28	0.02	0.00	0.00	184	183
-30	0.00	0.01	0.06	3.46	8.91	13.8	16.3	18.2	19.1	19.2	18.1	16.3	13.6	8.74	3.40	0.09	0.01	0.00	0.00	159	159
-40	0.00	0.01	0.04	1.35	5.14	8.28	10.2	11.6	12.4	12.4	11.6	10.3	8.29	5.18	1.34	0.05	0.01	0.00	0.00	98.1	97.4
-50	0.00	0.01	0.02	0.14	1.65	2.95	3.94	4.65	5.02	5.05	4.70	3.99	2.97	1.73	0.15	0.03	0.01	0.00	0.00	37.0	34.0
-60	0.00	0.00	0.01	0.03	0.08	0.28	0.50	0.65	0.68	0.68	0.65	0.47	0.21	0.08	0.04	0.02	0.00	0.00	0.00	4.39	0.00
-70	0.00	0.00	0.01	0.01	0.03	0.07	0.12	0.16	0.16	0.16	0.15	0.12	0.06	0.03	0.02	0.01	0.00	0.00	0.00	1.12	0.00
-80	0.00	0.00	0.00	0.01	0.01	0.02	0.03	0.04	0.03	0.03	0.03	0.03	0.02	0.01	0.01	0.01	0.00	0.00	0.00	0.28	0.00
-90																					
□ t	0.01	0.14	3.00	43.5	100	150	175	194	201	200	192	175	150	99.0	44.3	3.57	0.19	0.01	1730	---	
□ a	0.00	0.00	1.96	42.3	99.3	149	173	191	198	198	189	173	148	98.0	43.0	2.12	0.00	0.00	---	1706	

one-half-peak spread: U:17.2,D:19.7 , L:21.0,R:23.7 NEMA Beam Type: Type 6

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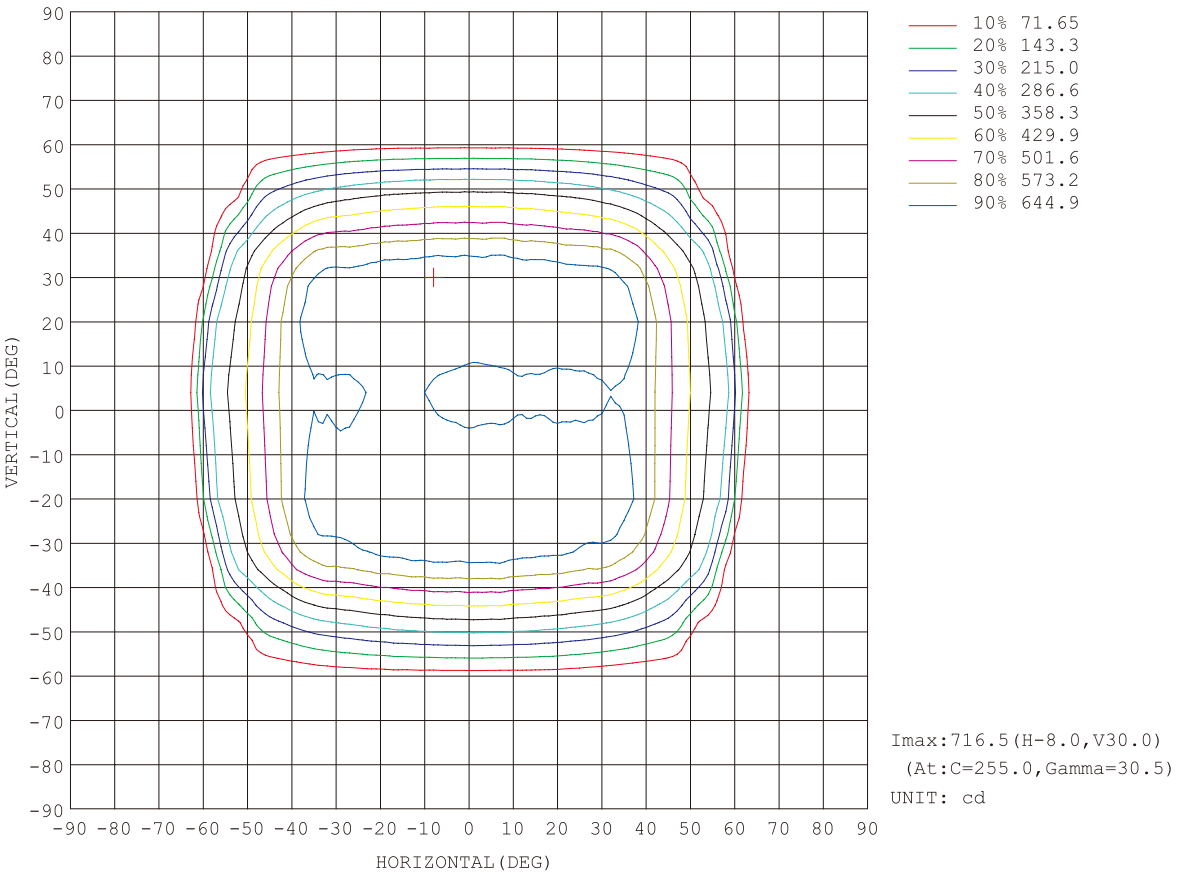
Isocandela Diagram

Test:U:220.9V I:0.1030A P:21.60W PF:0.9430 Lamp Flux:1730.45x1 lm		
NAME: WEF-20LG	TYPE:	WEIGHT:1
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



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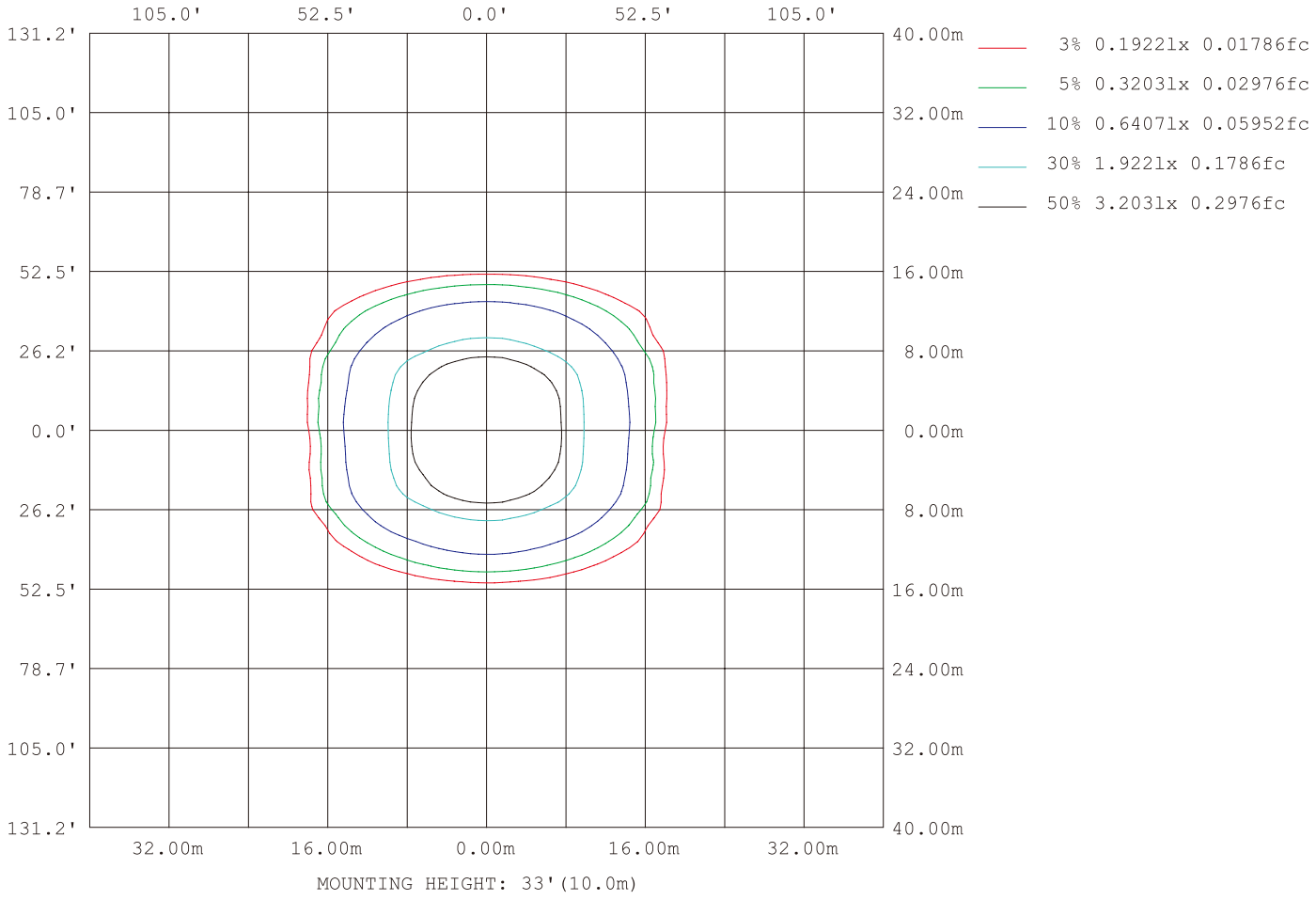
Isolux Diagram

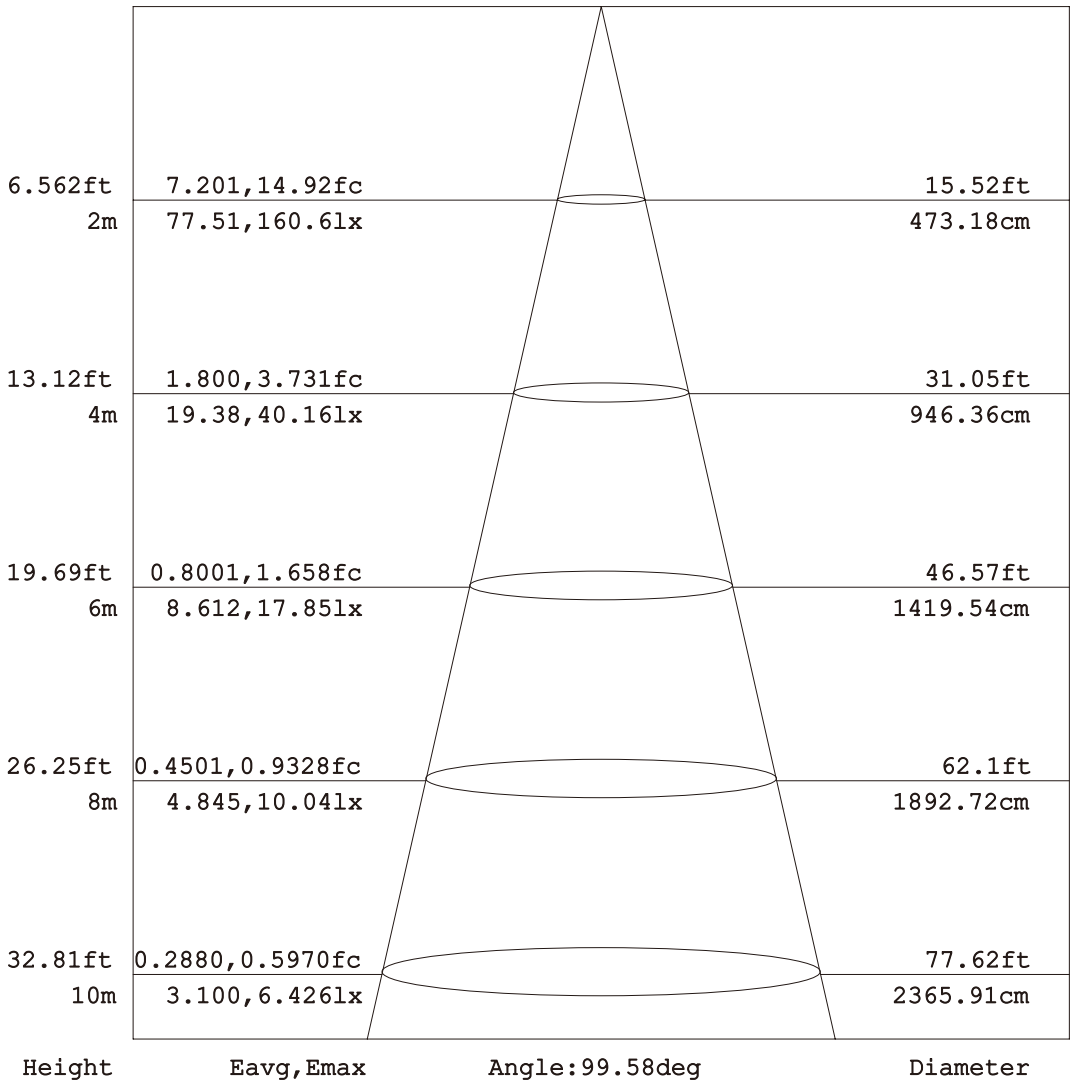
Test:U:220.9V I:0.1030A P:21.60W PF:0.9430 Lamp Flux:1730.45x1 lm		
NAME: WEF-20LG	TYPE:	WEIGHT:1
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



AAI Figure

Test:U:220.9V I:0.1030A P:21.60W PF:0.9430 Lamp Flux:1730.45x1 lm		
NAME: WEF-20LG	**TYPE:**	**WEIGHT:1**
SPEC.:	**DIM.:**	**SERIAL No.:**
MFR.:	**SUR.:**	**PROTECTION ANGLE:**

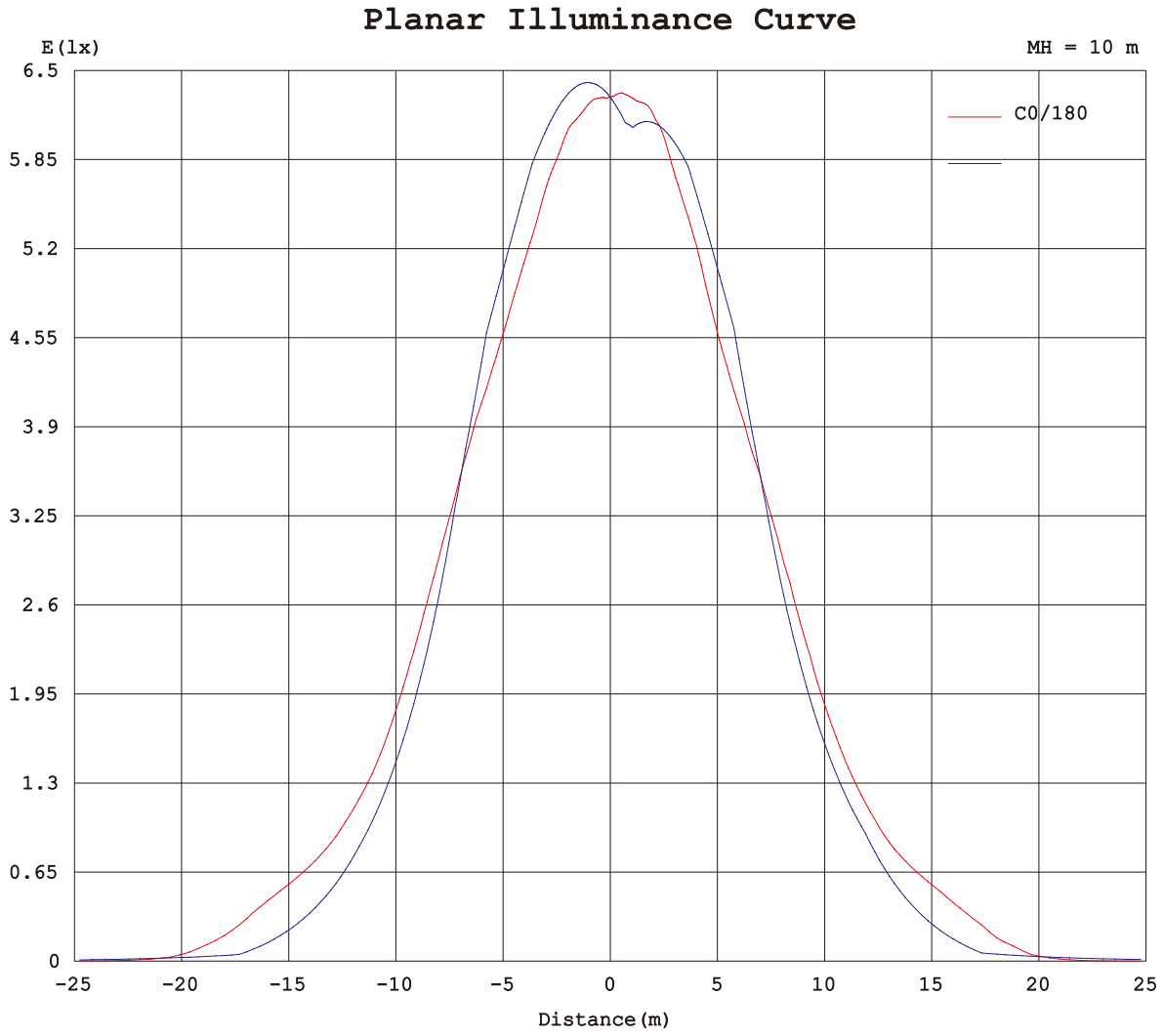
Flux out:1383 lm



Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

Planar Illuminance Curve

Test:U:220.9V I:0.1030A P:21.60W PF:0.9430 Lamp Flux:1730.45x1 lm		
NAME:	TYPE:	WEIGHT:1
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



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