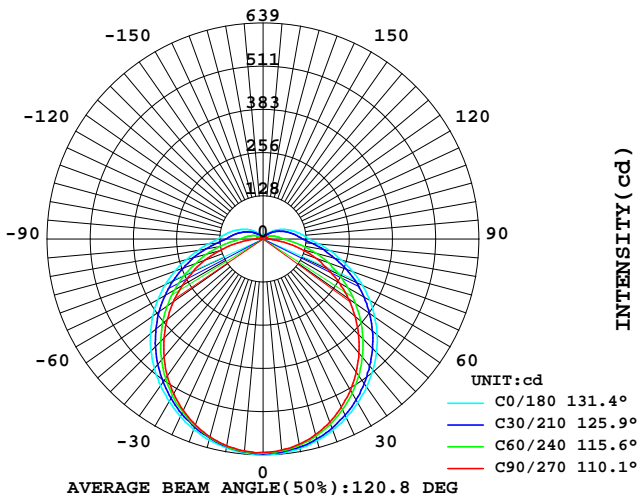


## LUMINAIRE PHOTOMETRIC TEST REPORT

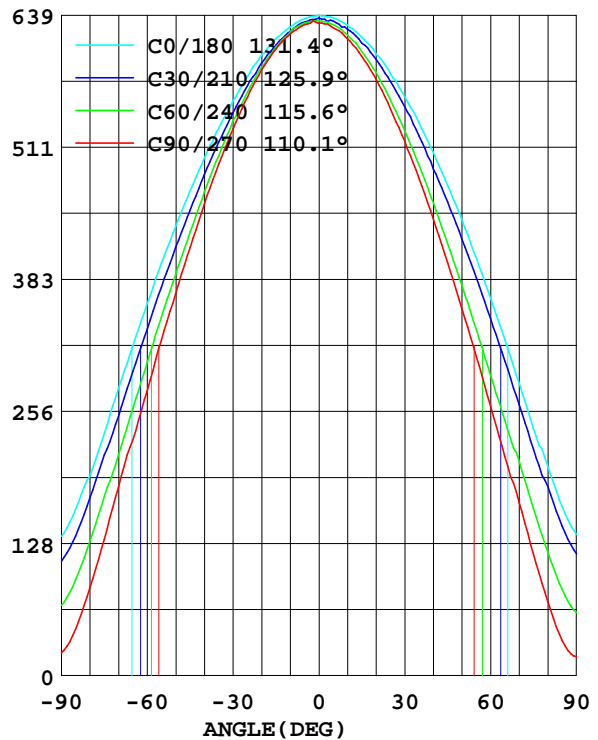
<b>MANUFACTURER: RUNWIN</b>		
<b>NAME: TRI-PROOF LIGHT FG02</b>	<b>TYPE: LED</b>	<b>WEIGHT:</b>
<b>SPECIFICATION: FI88-206E</b>	<b>DIMENSION:</b>	<b>SERIAL No.:</b>

<b>DATA OF LAMP</b>		<b>I<sub>max</sub>(cd)</b>	638.9	<b>S/MH(C0/180)</b>	1.30
<b>MODEL</b>	2835	<b>EFFICIENCY(%)</b>	100.0	<b>S/MH(C90/270)</b>	1.25
<b>NOMINAL POWER(W)</b>	20	<b>TOTAL FLUX(lm)</b>	1888.5	<b>Voltage(V)</b>	219.6
<b>RATED VOLTAGE(V)</b>	220	<b>EFFICIENCY(lm/W)</b>	97.5	<b>Current(A)</b>	0.090
<b>NOMINAL FLUX(lm)</b>	1888.6	<b>η up(%)</b>	9.7	<b>Power(W)</b>	19.36
<b>LAMPS QUANTITY</b>	1	<b>η down(%)</b>	90.3	<b>Power Factor(PF)</b>	0.960
<b>TEST VOLTAGE(V)</b>	219.7	<b>Effective Flux(lm)</b>	1778.1	<b>EET</b>	0.148

**LUMINOUS INTENSITY DISTRIBUTION**



**LUMINOUS INTENSITY DISTRIBUTION**



Test System: HOPOO HPG1900  
 Temperature: 25.3 DEG  
 Operators:  
 Test Date: 12-25-2018

Test Set: 5.0 deg/s C-Gamma (TYPE C)  
 Humidity: 65.0%  
 Test Distance: 8.400 m  
 Remarks:

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## Color Temperature Data List

Report number:

<b>MANUFACTURER:</b>	<b>Address:</b>	
<b>NAME: TRI-PROOF LIGHT</b>	<b>TYPE:LED</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:FI88-206E</b>	<b>DIMENSION:</b>	<b>SERIAL No.:</b>

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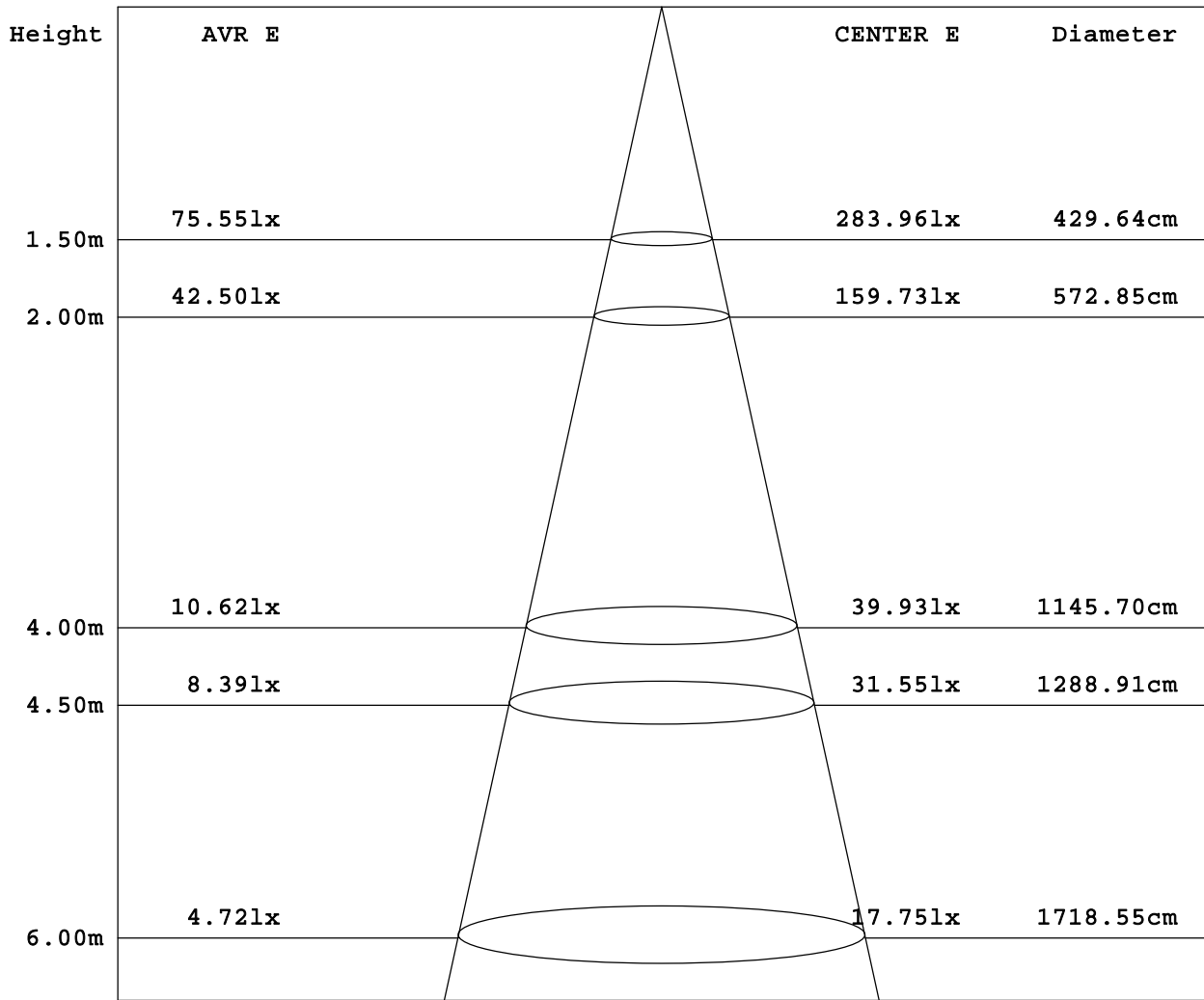
Test System:HOPOO HPG1900  
Temperature:25.3DEG  
Operators:  
Test Date:12-25-2018

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:8.400 m  
Remarks:

**AVERAGE AND CENTER E Figure**

Report number:

<b>MANUFACTURER:</b>	<b>Address:</b>	
<b>NAME: TRI-PROOF LIGHT</b>	<b>TYPE:LED</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:FI88-206E</b>	<b>DIMENSION:</b>	<b>SERIAL No.:</b>



Angle:110.1deg

Test System:HOPOO HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:12-25-2018

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:8.400 m  
 Remarks:

## ZONAL FLUX DIAGRAM

Report number:

<b>MANUFACTURER:</b>	<b>Address:</b>	
<b>NAME: TRI-PROOF LIGHT</b>	<b>TYPE:LED</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:FI88-206E</b>	<b>DIMENSION:</b>	<b>SERIAL No.:</b>

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	zone	total
5.0	635.4	631.7	629.7	316.7	636.3	631.4	626.6	314.3	0- 5	12.61	12.61
10.0	627.6	623.0	620.9	313.5	629.2	622.6	616.2	308.5	5- 10	37.40	50.01
15.0	616.3	609.2	606.3	307.3	617.7	607.8	599.2	299.9	10- 15	60.89	110.9
20.0	600.6	590.6	586.0	298.2	601.1	589.8	576.8	289.1	15- 20	82.32	193.2
25.0	579.6	567.4	559.6	287.0	582.8	566.1	548.6	275.7	20- 25	101.0	294.2
30.0	556.0	540.8	528.7	273.3	559.9	538.7	517.2	260.5	25- 30	116.5	410.7
35.0	529.4	509.3	494.9	258.2	534.5	507.9	480.7	243.6	30- 35	128.3	539.1
40.0	500.5	476.1	456.0	241.0	505.9	473.3	441.1	225.1	35- 40	136.4	675.5
45.0	469.2	439.8	414.3	222.2	474.1	438.2	399.7	205.3	40- 45	140.4	816.0
50.0	434.5	401.5	369.8	202.5	440.8	399.8	354.6	185.1	45- 50	140.5	956.5
55.0	399.0	361.2	324.3	182.0	404.2	359.8	308.3	163.9	50- 55	136.7	1093
60.0	360.0	319.2	275.8	160.8	365.2	318.1	261.2	142.0	55- 60	129.2	1223
65.0	319.2	276.3	227.9	138.6	324.9	275.5	211.6	120.3	60- 65	118.4	1341
70.0	277.8	232.1	182.3	116.7	282.8	234.6	167.0	100.5	65- 70	105.1	1446
75.0	234.7	193.8	131.9	96.03	239.2	190.5	117.9	78.28	70- 75	89.50	1536
80.0	192.8	151.0	85.44	74.93	202.7	151.4	71.54	58.03	75- 80	72.61	1608
85.0	160.8	113.8	44.73	55.46	163.6	113.9	33.93	41.06	80- 85	55.80	1664
90.0	134.7	89.43	22.29	40.96	136.4	89.36	18.34	32.06	85- 90	41.88	1706
95.0	119.8	76.98	19.82	34.29	121.1	76.98	16.79	27.13	90- 95	34.67	1741
100.0	106.0	65.86	12.48	29.00	106.6	66.04	9.243	22.68	95-100	29.77	1770
105.0	92.71	55.60	7.761	24.48	92.92	56.13	8.819	18.91	100-105	24.74	1795
110.0	80.15	46.39	7.902	20.39	80.29	47.02	8.890	15.66	105-110	20.64	1816
115.0	68.65	38.17	7.902	16.82	68.16	38.66	8.819	12.59	110-115	16.91	1833
120.0	57.92	30.41	7.902	13.12	56.87	31.08	8.890	9.807	115-120	13.47	1846
125.0	47.69	23.67	8.043	10.12	46.85	24.27	9.031	7.620	120-125	10.45	1857
130.0	38.59	18.27	8.114	7.902	37.11	18.94	9.172	6.138	125-130	7.918	1865
135.0	29.84	14.60	8.184	7.055	28.08	15.02	9.172	6.032	130-135	5.978	1871
140.0	21.87	11.67	8.396	6.879	20.10	11.74	9.313	6.032	135-140	4.510	1875
145.0	15.45	9.455	8.749	6.844	13.19	9.490	9.525	6.138	140-145	3.368	1878
150.0	10.51	9.419	8.961	6.950	9.172	9.666	9.737	6.350	145-150	2.600	1881
155.0	10.51	9.701	9.313	7.055	9.525	9.878	9.878	6.456	150-155	2.192	1883
160.0	10.51	9.843	9.384	7.126	9.737	10.05	10.01	6.456	155-160	1.850	1885
165.0	10.65	10.01	9.737	7.197	9.948	10.19	10.16	6.597	160-165	1.478	1887
170.0	10.65	10.16	9.807	7.267	10.23	10.23	10.30	6.703	165-170	1.077	1888
175.0	10.72	10.19	10.01	7.232	10.44	10.33	10.44	6.738	170-175	0.657	1888
180.0	10.72	10.23	10.09	7.197	10.51	10.37	10.30	6.703	175-180	0.220	1889
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPOO HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:12-25-2018

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:8.400 m  
 Remarks:

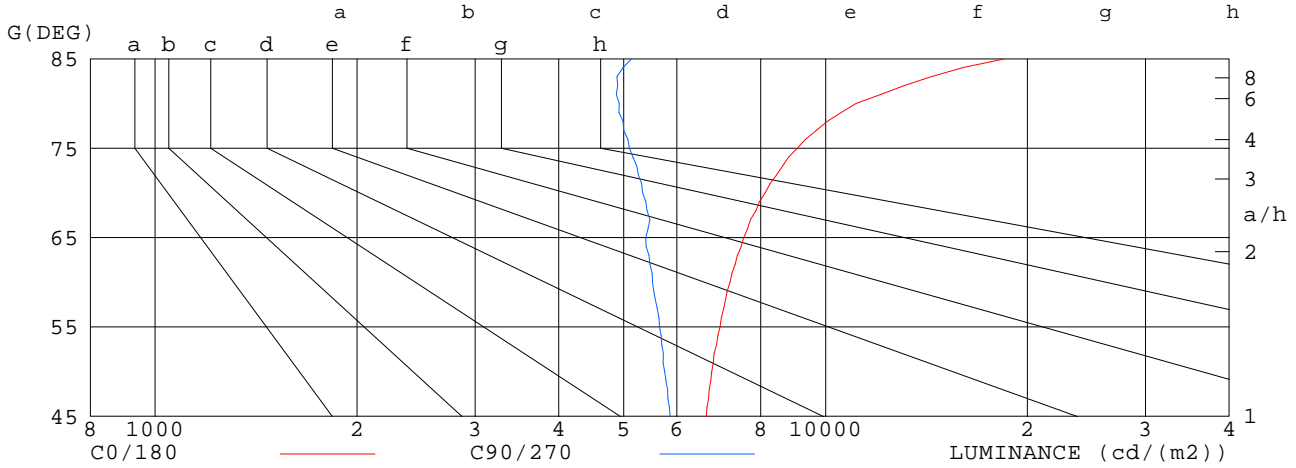
## LUMINANCE LIMITATION CURVES

Report number:

<b>MANUFACTURER:</b>	<b>Address:</b>	
<b>NAME: TRI-PROOF LIGHT</b>	<b>TYPE:LED</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:FI88-206E</b>	<b>DIMENSION:</b>	<b>SERIAL No.:</b>

### LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
		2000	1000	500	<=300	<=300	<=300	<=300	<=300
1.15	A								
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	18459	5133
80	11105	4921
75	9070	5098
70	8124	5333
65	7553	5394
60	7201	5516
55	6957	5655
50	6761	5754
45	6637	5859

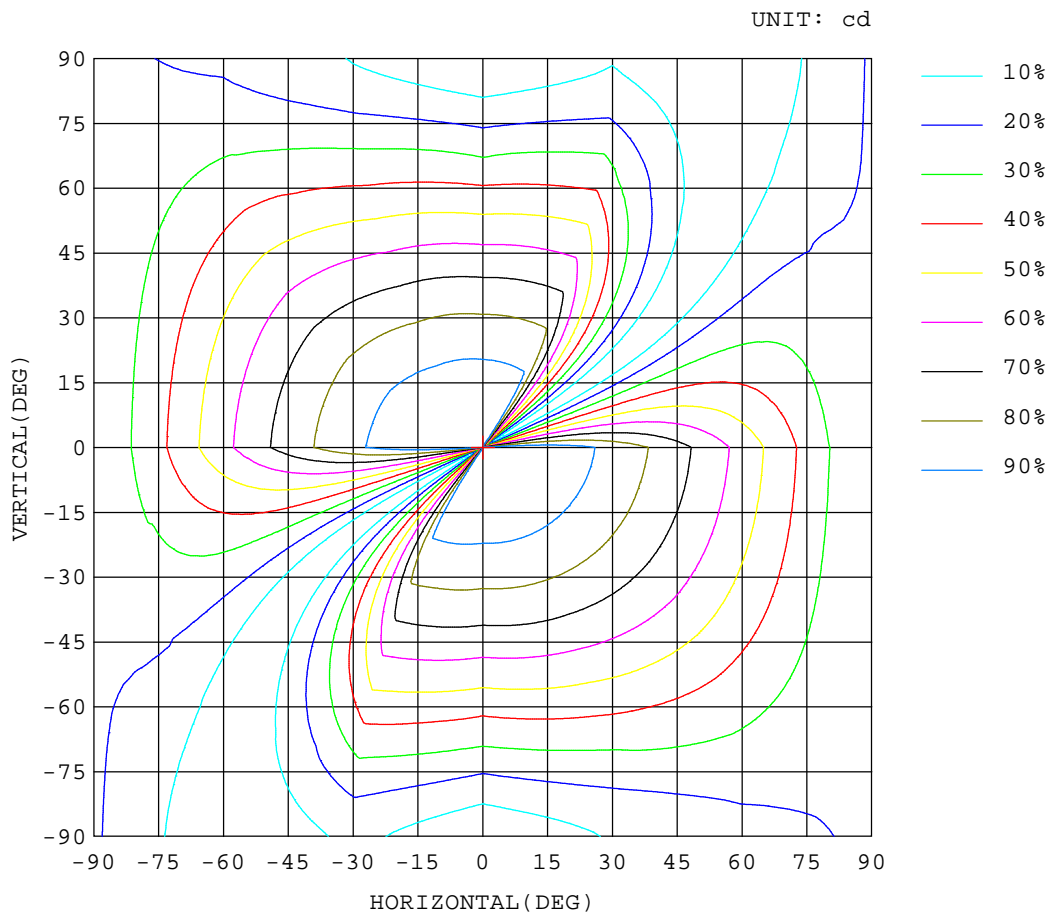
Test System:HOP00 HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:12-25-2018

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:8.400 m  
 Remarks:

## ISOCANDELA DIAGRAM

Report number:

<b>MANUFACTURER:</b>	<b>Address:</b>	
<b>NAME: TRI-PROOF LIGHT</b>	<b>TYPE:LED</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:FI88-206E</b>	<b>DIMENSION:</b>	<b>SERIAL No.:</b>



Test System:HOPOO HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:12-25-2018

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:8.400 m  
 Remarks: