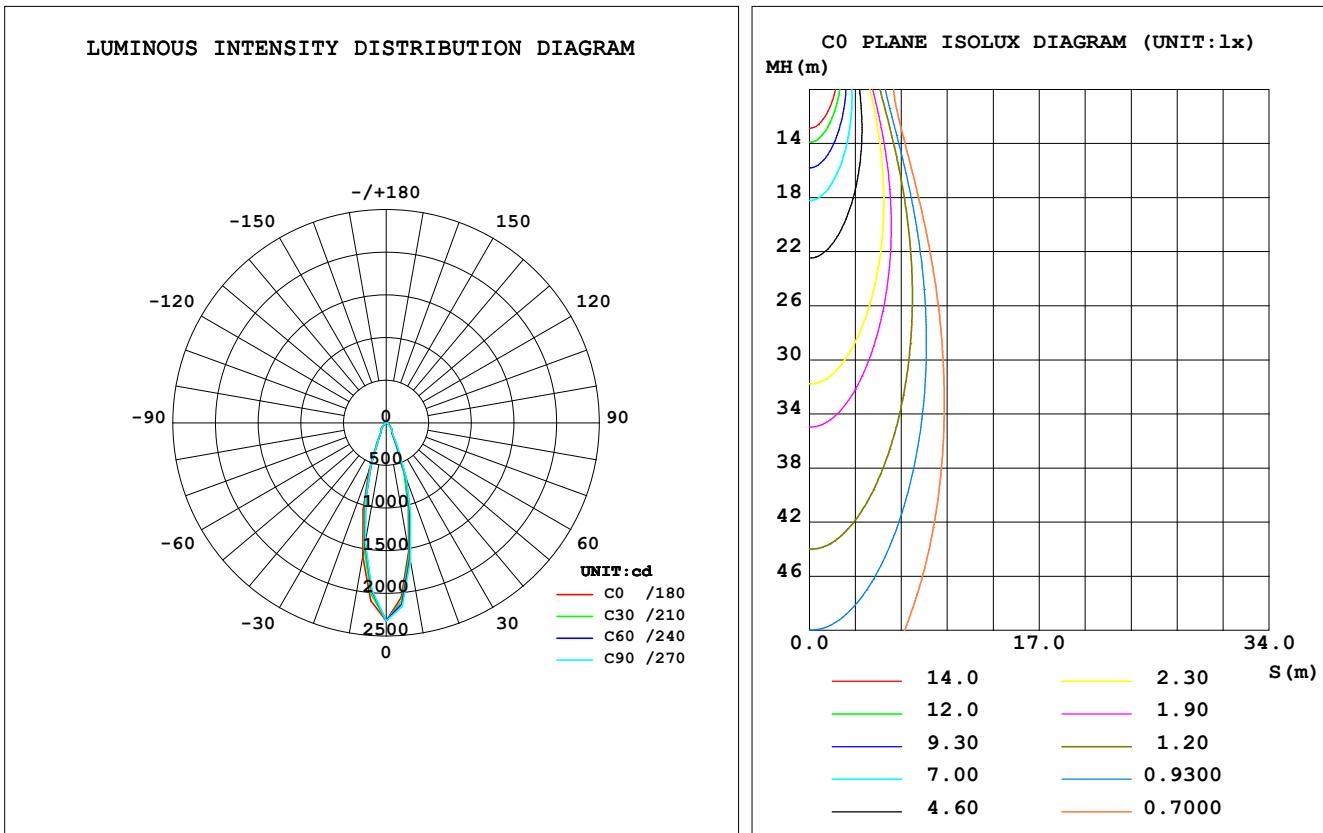


LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: Famco FHL607	TYPE:	WEIGHT:
DIMENSION:	SPECIFICATION:	SERIAL No.:
MANUFACTURER: Famco	SURFACE:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA			Eff: 53.88 lm/W
Model:	FHL607	I _{max} (cd)	2322	S/MH(C0/180)	0.47
NOMINAL POWER (W)	16	EFFICIENCY (%)	100.0	S/MH(C90/270)	0.42
RATED VOLTAGE (V)	240	TOTAL FLUX(lm)	811.87	η UP(C0-180)	1.0
NOMINAL FLUX(lm)	811.87	CIE CLASS	DIRECT	η DN(C0-180)	46.5
LAMPS INSIDE	1	η up (%)	1.9	η UP(C180-360)	0.9
TEST VOLTAGE (V)	240.1	η down (%)	98.1	η DN(C180-360)	51.6

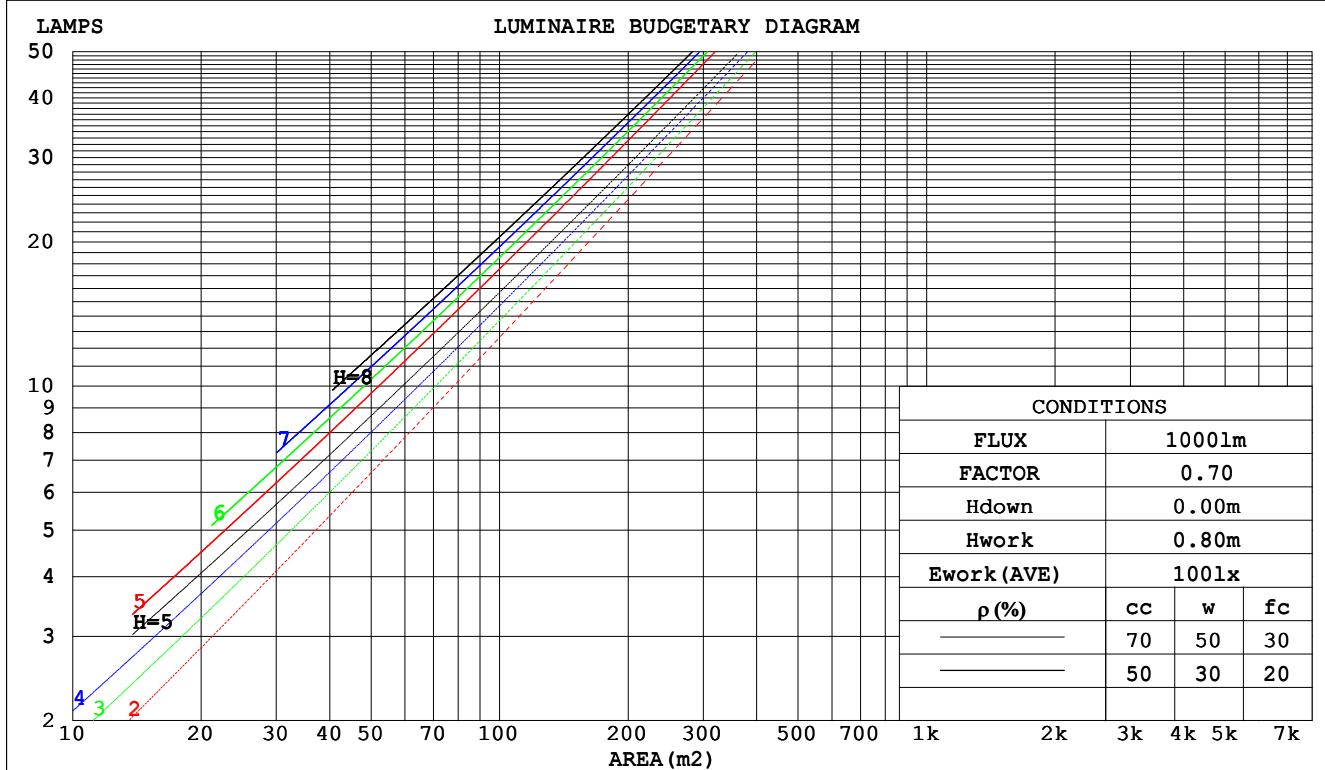


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 24DEG
Operators: Chris
Test Date: 2014-04-11

γ Range: 0 - 180DEG
γ Interval: 5.0DEG
Test System: EVERFINE GO-2000A SYSTEM V1.0.210
Humidity: 53%
Test Distance: 8.000m [K=1.0000]
Remarks: Famco FHL607

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: 140075_LD607 Famco Sample						TYPE:				WEIGHT:						
DIMENSION:						SPECIFICATION:				SERIAL No.:						
MANUFACTURER: Legrand Australia						SURFACE:				PROTECTION ANGLE:						
ρ_{CC}	80%			70%			50%			30%			10%			
ρ_W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	
ρ_{FC}	20%			20%			20%			20%			20%			
RCR	RCR: Room Cavity Ratio			Coefficients of Utilization(CU)												
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.10	1.10	1.10	1.05	1.05	1.05	1.00	1.00	1.00	.98
1.0	1.10	1.08	1.05	1.08	1.06	1.04	1.03	1.02	1.00	.99	.98	.97	.96	.95	.94	.92
2.0	1.03	.99	.96	1.01	.97	.94	.97	.95	.92	.94	.92	.90	.90	.89	.88	.86
3.0	.97	.92	.88	.95	.91	.87	.92	.89	.86	.90	.86	.84	.87	.85	.82	.81
4.0	.91	.86	.82	.90	.85	.81	.87	.83	.80	.85	.82	.79	.83	.80	.78	.76
5.0	.86	.81	.77	.85	.80	.76	.83	.79	.76	.81	.78	.75	.80	.77	.74	.73
6.0	.82	.77	.73	.81	.76	.72	.80	.75	.72	.78	.74	.71	.77	.73	.71	.69
7.0	.78	.73	.69	.78	.72	.69	.76	.72	.68	.75	.71	.68	.74	.70	.67	.66
8.0	.75	.70	.66	.74	.69	.66	.73	.69	.65	.72	.68	.65	.71	.67	.65	.63
9.0	.72	.67	.63	.71	.66	.63	.70	.66	.63	.69	.65	.62	.68	.65	.62	.61
10.0	.69	.64	.61	.69	.64	.61	.68	.63	.60	.67	.63	.60	.66	.63	.60	.59



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 24DEG
Operators: Chris
Test Date: 2014-04-11

γ Range: 0 - 180DEG
 γ Interval: 5.0DEG
Test System: EVERFINE GO-2000A SYSTEM V1.0.210
Humidity: 53%
Test Distance: 8.000m [K=1.0000]
Remarks: Famco FHL607

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%
10	1589	1469	1424	1461	1530	1588	1645	1657	0- 10	197.1	197.1	24.28
20	584.2	527.2	520.5	550.8	615.8	649.3	683.7	645.4	10- 20	290.4	487.5	60.04
30	131.2	131.2	132.8	138.9	142.2	143.9	153.6	139.8	20- 30	122.1	609.5	75.08
40	89.00	88.01	93.31	111.1	112.9	103.1	104.6	98.34	30- 40	69.98	679.5	83.70
50	38.29	41.04	42.62	43.62	44.78	47.02	46.86	42.15	40- 50	56.04	735.6	90.60
60	21.52	22.19	23.04	24.16	25.65	26.55	26.64	23.51	50- 60	29.23	764.8	94.20
70	12.01	12.34	12.64	13.02	13.93	14.49	14.61	12.81	60- 70	17.80	782.6	96.39
80	6.918	7.081	7.150	7.620	8.230	8.309	8.304	7.270	70- 80	10.45	793.0	97.68
90	1.037	1.023	1.030	1.012	1.055	1.021	0.9951	0.9893	80- 90	3.650	796.7	98.13
100	3.099	3.115	3.227	3.187	3.195	3.101	2.870	2.910	90-100	2.088	798.8	98.39
110	4.894	4.392	5.206	4.963	5.385	4.839	4.942	4.115	100-110	4.261	803.0	98.91
120	3.626	2.589	3.906	2.838	3.979	2.852	3.983	2.396	110-120	4.023	807.1	99.41
130	1.852	1.567	1.925	1.531	1.923	1.607	1.883	1.496	120-130	1.918	809.0	99.64
140	1.307	1.229	1.261	1.146	1.230	1.208	1.270	1.143	130-140	1.067	810.0	99.78
150	1.262	1.246	1.165	1.215	1.233	1.206	1.205	1.252	140-150	0.7529	810.8	99.87
160	1.438	1.319	1.319	1.258	1.378	1.296	1.302	1.220	150-160	0.5879	811.4	99.94
170	1.242	1.334	1.307	1.257	1.234	1.232	1.231	1.227	160-170	0.3657	811.8	99.99
180	1.262	1.273	1.178	1.246	1.246	1.278	1.275	1.244	170-180	0.1194	811.9	100.00
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 24DEG
 Operators: Chris
 Test Date: 2014-04-11

γ Range: 0 - 180DEG
 γ Interval: 5.0DEG
 Test System: EVERFINE GO-2000A SYSTEM V1.0.210
 Humidity: 53%
 Test Distance: 8.000m [K=1.0000]
 Remarks: Famco FHL607

WEC AND CCEC

NAME: 140075_LD607 Famco Sample	TYPE:	WEIGHT:
DIMENSION:	SPECIFICATION:	SERIAL No.:
MANUFACTURER: Legrand Australia	SURFACE:	PROTECTION ANGLE:

ρ_{cc}	80%	70%	50%	30%	10%	0
ρ_w	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	0
ρ_{fc}	20%	20%	20%	20%	20%	0
RCR	RCR:Room Cavity Ratio					
	Wall Exitance Coeffcients (WEC)					
0.0						
1.0	.180 .102 .032	.172 .098 .031	.159 .091 .029	.146 .084 .027	.134 .078 .025	
2.0	.168 .092 .028	.162 .089 .027	.150 .084 .026	.140 .078 .025	.130 .073 .023	
3.0	.157 .084 .025	.152 .081 .024	.142 .077 .023	.133 .073 .022	.124 .069 .021	
4.0	.147 .076 .022	.142 .074 .022	.134 .071 .021	.126 .068 .020	.118 .064 .020	
5.0	.138 .070 .020	.134 .069 .020	.126 .066 .019	.119 .063 .019	.113 .060 .018	
6.0	.130 .065 .019	.126 .064 .018	.120 .061 .018	.114 .059 .017	.108 .057 .017	
7.0	.123 .061 .017	.120 .060 .017	.114 .057 .017	.108 .056 .016	.103 .054 .016	
8.0	.116 .057 .016	.113 .056 .016	.108 .054 .015	.103 .052 .015	.099 .051 .015	
9.0	.110 .053 .015	.108 .053 .015	.103 .051 .014	.099 .050 .014	.095 .048 .014	
10.0	.105 .050 .014	.103 .050 .014	.099 .048 .014	.095 .047 .013	.091 .046 .013	

ρ_{cc}	80%	70%	50%	30%	10%	0
ρ_w	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	0
ρ_{fc}	20%	20%	20%	20%	20%	0
RCR	RCR:Room Cavity Ratio					
	Ceiling Cavity Exitance Coefficients (CCEC)					
0.0	.205 .205 .205	.175 .175 .175	.119 .119 .119	.069 .069 .069	.022 .022 .022	
1.0	.186 .172 .159	.159 .147 .137	.109 .101 .095	.063 .059 .055	.020 .019 .018	
2.0	.170 .147 .127	.146 .127 .110	.100 .088 .077	.058 .051 .045	.018 .016 .015	
3.0	.157 .128 .105	.135 .110 .091	.093 .077 .064	.053 .045 .038	.017 .015 .012	
4.0	.146 .113 .088	.125 .098 .077	.086 .068 .054	.050 .040 .032	.016 .013 .010	
5.0	.137 .102 .076	.117 .088 .066	.081 .061 .046	.047 .036 .028	.015 .012 .009	
6.0	.129 .092 .066	.110 .080 .057	.076 .056 .041	.044 .033 .024	.014 .011 .008	
7.0	.121 .084 .058	.104 .073 .051	.072 .051 .036	.042 .030 .021	.014 .010 .007	
8.0	.115 .078 .052	.099 .068 .046	.069 .047 .032	.040 .028 .019	.013 .009 .006	
9.0	.109 .072 .048	.094 .063 .041	.065 .044 .029	.038 .026 .018	.012 .009 .006	
10.0	.104 .068 .044	.090 .059 .038	.062 .041 .027	.036 .025 .016	.012 .008 .005	

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 24DEG
 Operators: Chris
 Test Date: 2014-04-11

γ Range: 0 - 180DEG
 γ Interval: 5.0DEG
 Test System: EVERFINE GO-2000A SYSTEM V1.0.210
 Humidity: 53%
 Test Distance: 8.000m [K=1.0000]
 Remarks: Famco FHL607

Uncorrected UGR Table

NAME: 140075_LD607 Famco Sample					TYPE:		WEIGHT:				
DIMENSION:					SPECIFICATION:		SERIAL No.:				
MANUFACTURER: Legrand Australia					SURFACE:		PROTECTION ANGLE:				
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions		Viewed crosswise					Viewed endwise				
x = 2H y = 2H	5.4	6.3	5.7	6.5	6.7	5.7	6.5	5.9	6.7	6.9	
	6.1	6.9	6.4	7.1	7.4	6.4	7.2	6.7	7.4	7.6	
	6.5	7.3	6.8	7.5	7.8	6.8	7.5	7.1	7.8	8.0	
	7.0	7.7	7.3	8.0	8.3	7.2	8.0	7.6	8.2	8.5	
	7.1	7.8	7.4	8.1	8.4	7.3	8.0	7.7	8.3	8.6	
	7.2	7.8	7.5	8.1	8.4	7.4	8.0	7.7	8.3	8.6	
4H	2H	5.7	6.5	6.0	6.7	7.0	5.9	6.7	6.2	6.9	
	3H	6.6	7.2	6.9	7.5	7.8	6.8	7.5	7.1	7.8	
	4H	7.2	7.8	7.6	8.1	8.5	7.4	8.0	7.8	8.3	
	6H	7.8	8.3	8.2	8.7	9.1	8.0	8.5	8.4	8.9	
	8H	7.9	8.4	8.4	8.8	9.2	8.1	8.6	8.5	9.0	
	12H	8.0	8.5	8.5	8.9	9.3	8.2	8.7	8.6	9.1	
8H	4H	7.4	7.9	7.9	8.3	8.7	7.6	8.1	8.0	8.5	
	6H	8.2	8.6	8.6	9.0	9.5	8.3	8.8	8.8	9.2	
	8H	8.4	8.7	8.8	9.2	9.7	8.5	8.9	9.0	9.3	
	12H	8.5	8.8	9.0	9.3	9.8	8.7	9.0	9.2	9.4	
	12H	4H	7.4	7.9	7.9	8.3	8.7	7.6	8.1	8.1	
	6H	8.2	8.6	8.7	9.0	9.5	8.4	8.7	8.8	9.2	
12H	8H	8.4	8.7	8.9	9.2	9.7	8.6	8.9	9.1	9.4	
	4H	7.4	7.9	7.9	8.3	8.7	7.6	8.1	8.1	8.5	
	6H	8.2	8.6	8.7	9.0	9.5	8.4	8.7	8.8	9.7	
Variations with the observer position at spacings:	8H	8.4	8.7	8.9	9.2	9.7	8.6	8.9	9.1	9.9	
	S = 1.0H	+ 0.5 / - 0.7					+ 0.6 / - 0.6				
	1.5H	+ 0.8 / - 0.6					+ 0.9 / - 0.7				
2.0H		+ 1.5 / - 0.5					+ 1.1 / - 0.6				

CIE Pub.117 Corrected 811.9 lm Total Lamp Luminous Flux. ($8\log(F/F_0) = -0.7$)

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 24DEG
 Operators: Chris
 Test Date: 2014-04-11

γ Range: 0 - 180DEG
 γ Interval: 5.0DEG
 Test System: EVERFINE GO-2000A SYSTEM V1.0.210
 Humidity: 53%
 Test Distance: 8.000m [K=1.0000]
 Remarks: Famco FHL607

UTILIZATION FACTORS TABLE

NAME: 140075_LD607 Famco Sample	TYPE:	WEIGHT:
DIMENSION:	SPECIFICATION:	SERIAL No.:
MANUFACTURER: Legrand Australia	SURFACE:	PROTECTION ANGLE:

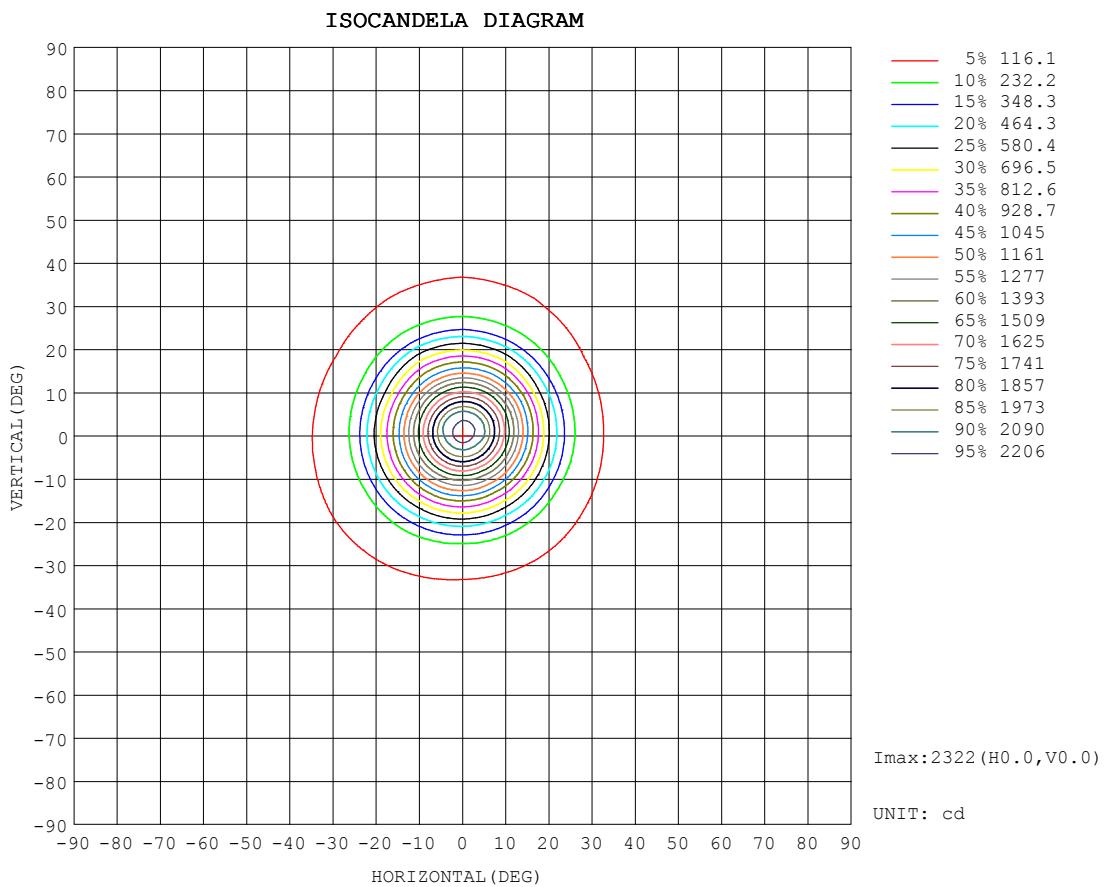
REFLECTANCE																			
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0									
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0									
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0									
ROOM INDEX																			
UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5																			
k = 0.60	81	74	70	81	74	70	80	73	69	65									
0.80	89	82	78	89	82	78	87	81	77	73									
1.00	94	88	84	93	87	83	92	87	83	78									
1.25	99	93	89	98	92	88	96	91	87	82									
1.50	102	96	92	101	96	92	98	94	91	85									
2.00	106	101	97	104	99	96	101	97	94	88									
2.50	108	103	100	106	102	99	102	99	96	90									
3.00	110	105	102	108	104	101	104	101	99	91									
4.00	112	109	106	110	107	104	106	103	101	93									
5.00	113	111	108	111	109	107	107	105	103	95									
ROOM INDEX	UF(total)									Direct									
According to DIN EN 13032-2 2004																			
Suspended																			
SHRNOM = 1.25																			

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 24DEG
 Operators: Chris
 Test Date: 2014-04-11

γ Range: 0 - 180DEG
 γ Interval: 5.0DEG
 Test System: EVERFINE GO-2000A SYSTEM V1.0.210
 Humidity: 53%
 Test Distance: 8.000m [K=1.0000]
 Remarks: Famco FHL607

ISOCANDELA DIAGRAM

NAME: 140075_LD607 Famco Sample	TYPE:	WEIGHT:
DIMENSION:	SPECIFICATION:	SERIAL No.:
MANUFACTURER: Legrand Australia	SURFACE:	PROTECTION ANGLE:

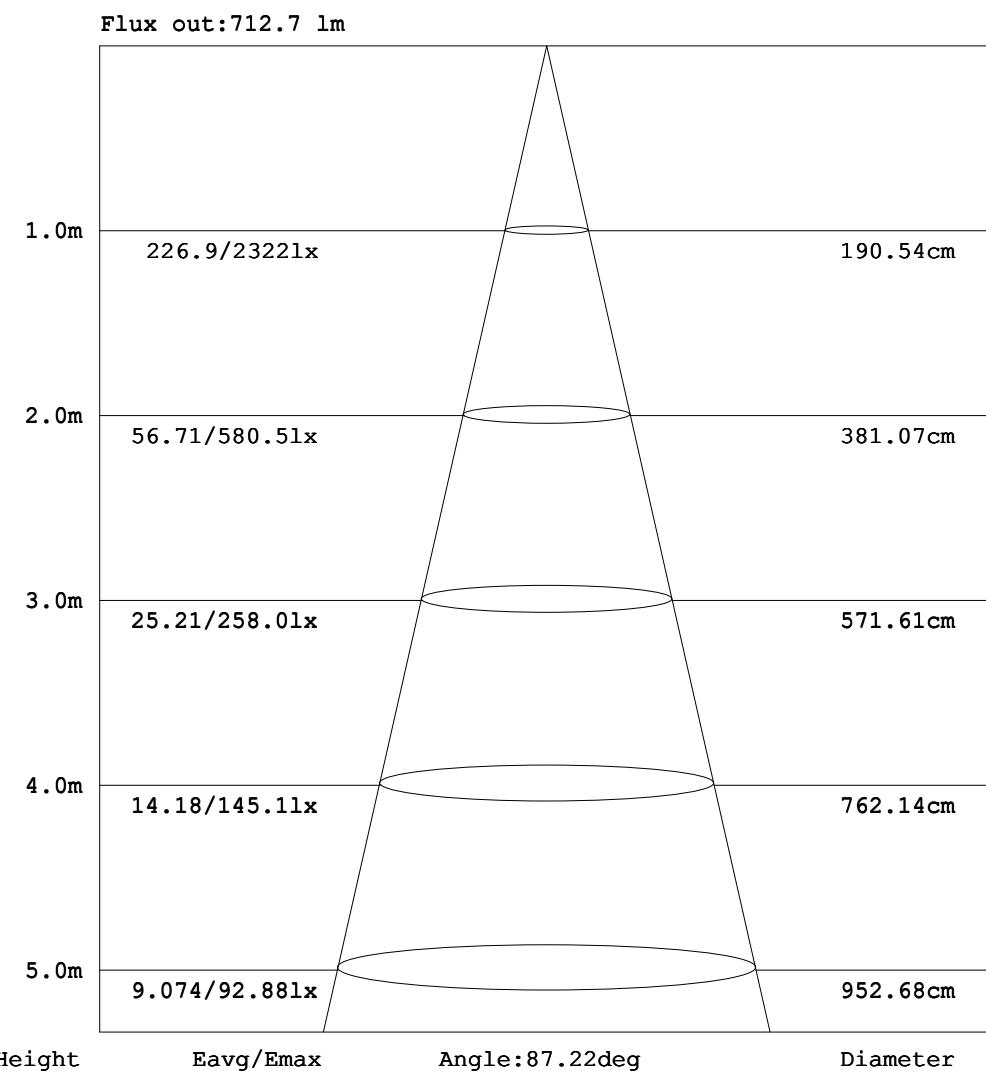


C Range: 0 - 360DEG
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Temperature:24DEG
Operators:Chris
Test Date:2014-04-11

γ Range: 0 - 180DEG
 γ Interval: 5.0DEG
Test System:EVERFINE GO-2000A SYSTEM V1.0.210
Humidity:53%
Test Distance:8.000m [K=1.0000]
Remarks: Famco FHL607

AAI Figure

NAME: 140075_LD607 Famco Sample	TYPE:	WEIGHT:
DIMENSION:	SPECIFICATION:	SERIAL No.:
MANUFACTURER: Legrand Australia	SURFACE:	PROTECTION ANGLE:



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

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 24DEG
 Operators: Chris
 Test Date: 2014-04-11

γ Range: 0 - 180DEG
 γ Interval: 5.0DEG
 Test System: EVERFINE GO-2000A SYSTEM V1.0.210
 Humidity: 53%
 Test Distance: 8.000m [K=1.0000]
 Remarks: Famco FHL607

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 140075_LD607 Famco Sample	TYPE:	WEIGHT:
DIMENSION:	SPECIFICATION:	SERIAL No.:
MANUFACTURER: Legrand Australia	SURFACE:	PROTECTION ANGLE:

Table--1

UNIT: cd

γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	2322	2322	2318	2320	2318	2319	2322	2322	2318	2320	2318	2319						
5	2094	2024	1979	1960	1972	2003	2051	2098	2130	2160	2160	2146						
10	1589	1506	1432	1424	1439	1483	1530	1565	1612	1645	1666	1649						
15	1052	978	930	932	953	982	1013	1040	1081	1108	1117	1107						
20	584	543	512	520	530	572	616	614	685	684	677	614						
25	259	232	231	227	242	246	263	273	308	321	295	267						
30	131	130	132	133	137	141	142	139	149	154	147	133						
35	103	103	106	107	112	116	115	112	118	122	117	106						
40	89.0	86.5	89.6	93.3	109	114	113	103	103	105	102	94.2						
45	65.7	61.7	56.4	62.7	75.4	79.7	82.7	78.0	81.7	79.9	78.6	66.0						
50	38.3	38.9	43.1	42.6	44.1	43.2	44.8	45.6	48.4	46.9	44.8	39.5						
55	29.1	29.5	35.0	31.5	32.9	31.2	32.7	33.9	36.7	35.0	33.8	29.6						
60	21.5	21.8	22.5	23.0	23.9	24.4	25.7	25.8	27.2	26.6	24.8	22.3						
65	16.2	16.5	17.0	17.0	17.7	17.9	18.7	19.3	20.1	19.8	18.2	16.7						
70	12.0	12.2	12.5	12.6	13.0	13.1	13.9	14.4	14.6	14.6	13.3	12.4						
75	9.19	9.18	9.38	9.51	9.76	9.84	10.3	10.6	11.2	10.5	9.92	9.26						
80	6.92	7.08	7.09	7.15	7.51	7.73	8.23	8.22	8.40	8.30	7.54	7.00						
85	3.00	2.97	2.97	2.90	3.26	3.44	3.65	3.78	3.79	3.79	3.48	3.11						
90	1.04	1.01	1.04	1.03	1.04	0.98	1.05	0.99	1.06	1.00	1.03	0.95						
95	1.97	1.94	2.08	2.11	2.12	1.96	1.94	1.85	1.77	1.73	1.72	1.80						
100	3.10	3.04	3.19	3.23	3.20	3.17	3.20	3.11	3.09	2.87	2.90	2.92						
105	4.04	3.99	4.18	4.36	4.25	4.18	4.21	3.97	3.87	3.75	3.73	3.81						
110	4.89	4.41	4.37	5.21	5.03	4.89	5.38	4.96	4.72	4.94	4.24	3.99						
115	4.37	3.67	3.72	4.79	3.97	3.72	4.86	3.94	3.71	4.93	3.64	3.31						
120	3.63	2.63	2.54	3.91	3.08	2.59	3.98	3.12	2.58	3.98	2.67	2.12						
125	2.59	1.85	1.75	2.85	1.93	1.74	2.89	1.97	1.68	2.91	1.85	1.64						
130	1.85	1.57	1.56	1.92	1.55	1.51	1.92	1.64	1.58	1.88	1.56	1.43						
135	1.66	1.32	1.28	1.58	1.29	1.24	1.57	1.34	1.31	1.52	1.23	1.19						
140	1.31	1.25	1.21	1.26	1.16	1.13	1.23	1.16	1.26	1.27	1.13	1.16						
145	1.29	1.26	1.18	1.13	1.11	1.16	1.20	1.19	1.20	1.23	1.25	1.18						
150	1.26	1.30	1.20	1.16	1.20	1.24	1.23	1.15	1.26	1.20	1.28	1.23						
155	1.31	1.37	1.22	1.27	1.20	1.25	1.38	1.26	1.25	1.30	1.25	1.19						
160	1.44	1.37	1.27	1.32	1.22	1.29	1.38	1.30	1.29	1.30	1.24	1.20						
165	1.28	1.40	1.31	1.35	1.26	1.34	1.25	1.22	1.31	1.27	1.29	1.21						
170	1.24	1.39	1.28	1.31	1.24	1.28	1.23	1.20	1.27	1.23	1.24	1.22						
175	1.24	1.27	1.30	1.28	1.24	1.26	1.23	1.22	1.26	1.21	1.29	1.20						
180	1.26	1.25	1.30	1.18	1.26	1.23	1.25	1.29	1.26	1.28	1.25	1.24						

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 24DEG
Operators: Chris
Test Date: 2014-04-11

γ Range: 0 - 180DEG
 γ Interval: 5.0DEG
Test System: EVERFINE GO-2000A SYSTEM V1.0.210
Humidity: 53%
Test Distance: 8.000m [K=1.0000]
Remarks: Famco FHL607