



UL Verification Services Inc.
7036 Snowdrift Road
Allentown, PA 18106
610-774-1300



Indoor Distribution Test Report

Relevant Standards
IES LM-79-2008
ANSI C82.77-2002

Prepared For
Jesco Lighting Group LLC

15 Harbor Park Dr
Port Washington, NY 11050
United States

Catalog Number
RLET-P355FX-15-3590-M-WHWH

Order Number
11642482
Test Number
11642482.02

Test Date

2017-02-24

Prepared By

Derek Smarr, Technician

Approved By

Tiffany Hamm, Project Handler

The results contained in this report pertain only to the tested sample.
This report shall not be reproduced, except in full, without written approval of Underwriters Laboratories.
This report must not be used by the client to claim product certification, approval, or endorsement by
NVLAP, NIST, or any agency of the Federal Government.



Luminaire Description: Formed steel housing, black formed aluminum heatsink, patterned specular internal reflector, patterned glass lens enclosure
Lamp: One white LED
Mounting: Recessed
Ballast/Driver: One ERP ESM020W-0350-42

Luminaire



Luminaire Characteristics

Luminous Length: 1.25 in.
Luminous Width: 1.250 in.

Summary of Results

Total Luminaire Output:	719.1 Lumens
Luminaire Efficacy:	52.1 lm/w
Maximum Candela:	3744 Candela

Test Conditions

Test Temperature:	24.9 °C
Voltage:	120.0 VAC
Current:	0.1163 A
Power:	13.80 W
Power Factor:	0.989
Frequency:	60 Hz
Current THD:	11.8 %

Laboratory results may not be representative of field performance
Ballast factors have not been applied



Distribution - Goniophotometer

Distribution Test Conditions

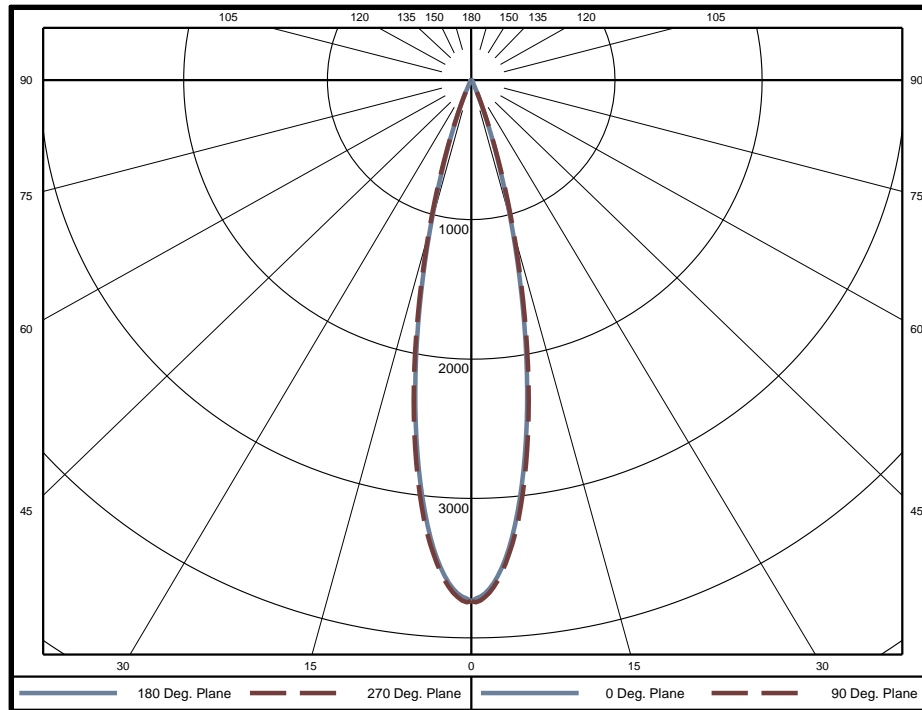
Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.9 °C	120.0 VAC	0.1163 A	13.80 W	0.989	60 Hz	11.8 %

Summary of Results

Spacing Criteria
 0-180: 0.40
 90-270: 0.40

Total Lumen Output: 719.1 Lumens
Luminaire Efficacy: 52.1 lm/w
Maximum Candela: 3744 Candela

Polar Plot



Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	84.3	11.7%	60-65	1.5	0.2%	120-125	0	0.0%
5-10	200.3	27.9%	65-70	1.7	0.2%	125-130	0	0.0%
10-15	205.6	28.6%	70-75	2.0	0.3%	130-135	0	0.0%
15-20	131.6	18.3%	75-80	2.1	0.3%	135-140	0	0.0%
20-25	53.7	7.5%	80-85	2.2	0.3%	140-145	0	0.0%
25-30	15.5	2.2%	85-90	1.1	0.2%	145-150	0	0.0%
30-35	7.0	1.0%	90-95	0	0.0%	150-155	0	0.0%
35-40	4.2	0.6%	95-100	0	0.0%	155-160	0	0.0%
40-45	2.4	0.3%	100-105	0	0.0%	160-165	0	0.0%
45-50	1.5	0.2%	105-110	0	0.0%	165-170	0	0.0%
50-55	1.2	0.2%	110-115	0	0.0%	170-175	0	0.0%
55-60	1.3	0.2%	115-120	0	0.0%	175-180	0	0.0%

Zone	Lumens	% of Luminaire
0-40	702	97.6%
0-60	709	98.5%
0-90	719	100.0%
90-180	0	0.0%



Candela Tabulation

Horizontal Angle (Degrees)

	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5
0	3736	3736	3736	3736	3736	3736	3736	3736	3736	3736	3736	3736	3736	3736	3736	3736
5	3291	3308	3319	3326	3334	3326	3319	3308	3291	3308	3319	3326	3334	3326	3319	3308
10	2266	2312	2357	2345	2331	2345	2357	2312	2266	2312	2357	2345	2331	2345	2357	2312
15	1135	1218	1307	1244	1190	1244	1307	1218	1135	1218	1307	1244	1190	1244	1307	1218
20	365	457	562	480	396	480	562	457	365	457	562	480	396	480	562	457
25	74	106	169	114	85	114	169	106	74	106	169	114	85	114	169	106
30	30	31	38	33	30	33	38	31	30	31	38	33	30	33	38	31
35	17	18	17	18	17	18	17	18	17	18	17	18	17	18	17	18
40	8	9	9	9	8	9	9	9	8	9	9	9	8	9	9	9
45	5	5	5	5	4	5	5	5	5	5	5	5	4	5	5	5
50	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
55	3	3	2	3	3	3	2	3	3	3	2	3	3	3	2	3
60	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
65	4	3	3	3	4	3	3	3	4	3	3	3	4	3	3	3
70	4	3	3	3	4	3	3	3	4	3	3	3	4	3	3	3
75	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
80	4	4	4	4	5	4	4	4	4	4	4	4	5	4	4	4
85	4	4	3	4	4	4	3	4	4	4	3	4	4	4	3	4
90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
125	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
135	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
145	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
165	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Average Luminance (cd/m²)

Horizontal Angle (Degrees)

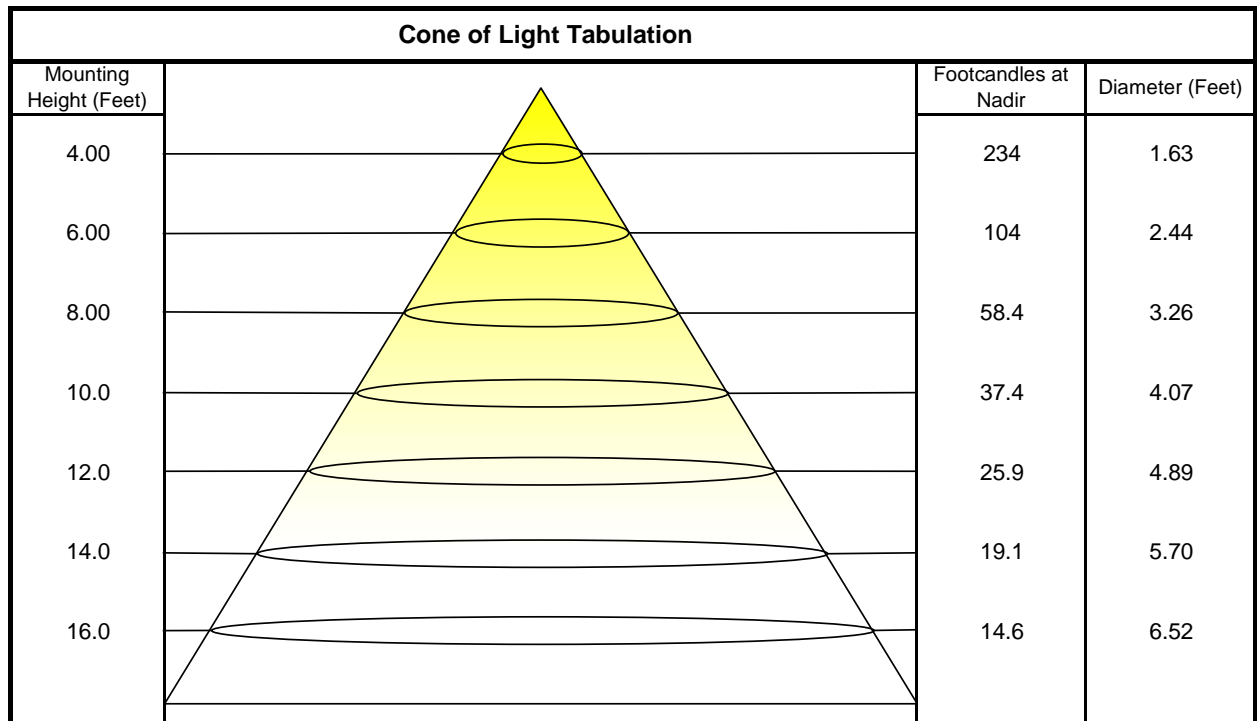
	0	45	90
0	3706000	3706000	3706000
45	6428	6524	6186
55	5442	4314	5335
65	8963	6802	9087
75	16700	13880	17050
85	49860	37130	51000



Utilization of Lumens - Zonal Cavity Method

Effective Floor Cavity Reflectance 20%																		
Ceiling Cavity Reflectance	80				70				50			30			10			0
Wall Reflectance	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
Room Cavity Ratio (RCR)	** Values are expressed as Lumens delivered to the task surface **																	
0	856	856	856	856	836	836	836	836	799	799	799	765	765	765	734	734	734	719
1	826	811	797	784	809	795	783	772	767	757	748	741	733	726	716	711	705	693
2	800	774	753	735	785	762	743	726	740	724	711	719	707	696	700	690	682	671
3	776	743	718	697	763	734	711	692	716	697	681	700	684	671	685	672	661	652
4	754	716	689	668	743	709	683	664	695	673	656	682	664	649	669	654	642	634
5	733	693	664	643	724	687	660	640	675	652	635	665	645	630	655	638	625	617
6	714	671	643	622	706	667	640	620	657	634	616	648	628	612	640	623	609	601
7	696	652	624	604	689	648	621	602	640	617	599	633	612	597	626	608	594	587
8	679	635	606	587	673	631	605	586	625	601	584	619	597	582	613	594	580	573
9	663	618	591	572	658	615	589	571	610	586	570	605	583	568	600	581	566	560
10	648	603	576	558	643	601	575	558	596	573	556	592	570	555	587	568	554	548

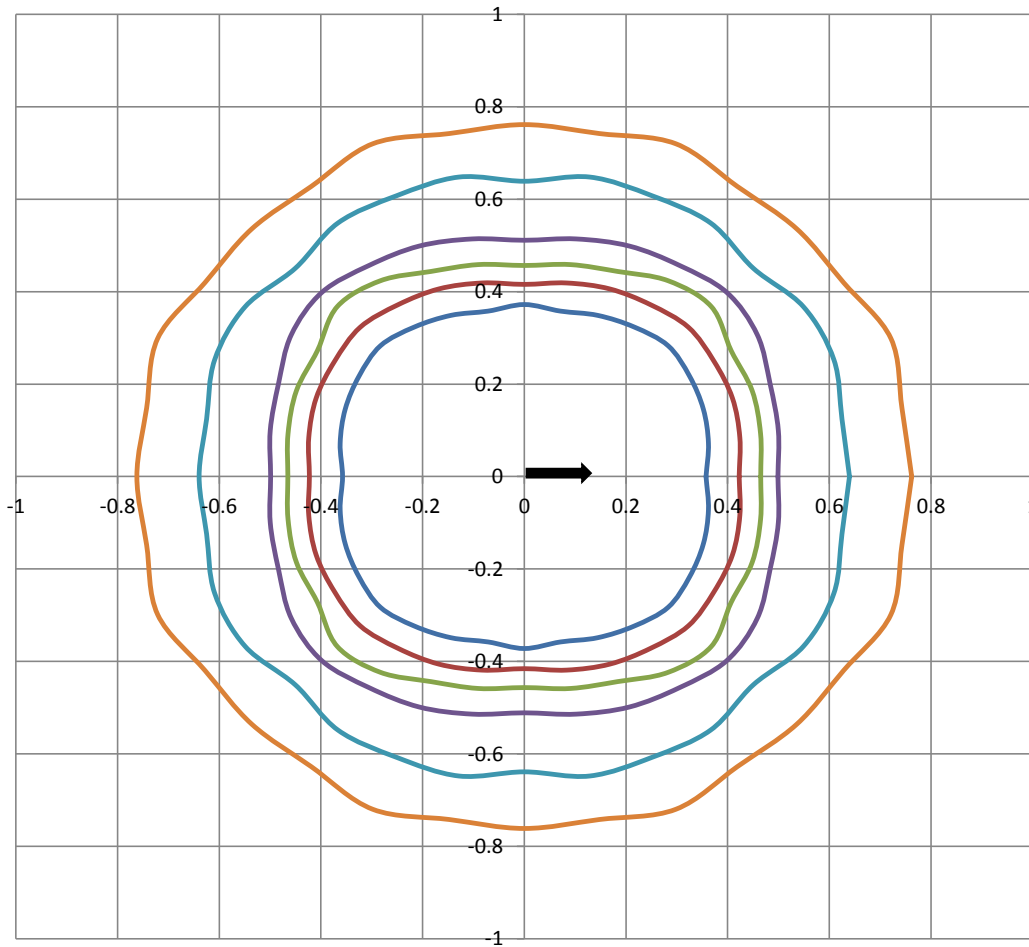
Beam and Field Information	
CIE Type:	Direct
Center Beam Intensity:	3736 Candela
Central Cone Intensity:	3585 Candela
Beam Flux:	373.1 Lumens
Beam Angle (0-180):	23.4 Degrees
Beam Angle (90-270):	23.9 Degrees
Field Angle (0-180):	39.8 Degrees
Field Angle (90-270):	40.4 Degrees





ISOFootcandle Plot

Mounting Height - 8 Feet



Grid Lines in Units of Mounting Height

