



UL Verification Services Inc.
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Allentown, PA 18106
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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
AP06H-LED3090-AP06S02WH
Order Number
12173939
Test Number
12173939.01

Test Date

2018-02-14

Prepared By

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Approved By

Alexa Lambert, Project Handler

The results contained in this report pertain only to the tested sample.
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Luminaire Description: Gray formed aluminum housing, frosted glass diffuser
Lamp: One white LED
Mounting: Pendant
Ballast/Driver: One L.T.F. DS20W046C2043D010-0020 driver

Luminaire



Luminaire Characteristics

Luminous Diameter: 6.00 in.
Luminous Height: 5.000 in.

Summary of Results

Total Luminaire Output:	1553 Lumens
Luminaire Efficacy:	82.6 lm/w
Maximum Candela:	748 Candela

Test Conditions

Test Temperature:	24.8 °C
Voltage:	120.1 VAC
Current:	0.1573 A
Power:	18.80 W
Power Factor:	0.996
Frequency:	60 Hz
Current THD:	2.74 %

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



Distribution - Goniophotometer

Distribution Test Conditions

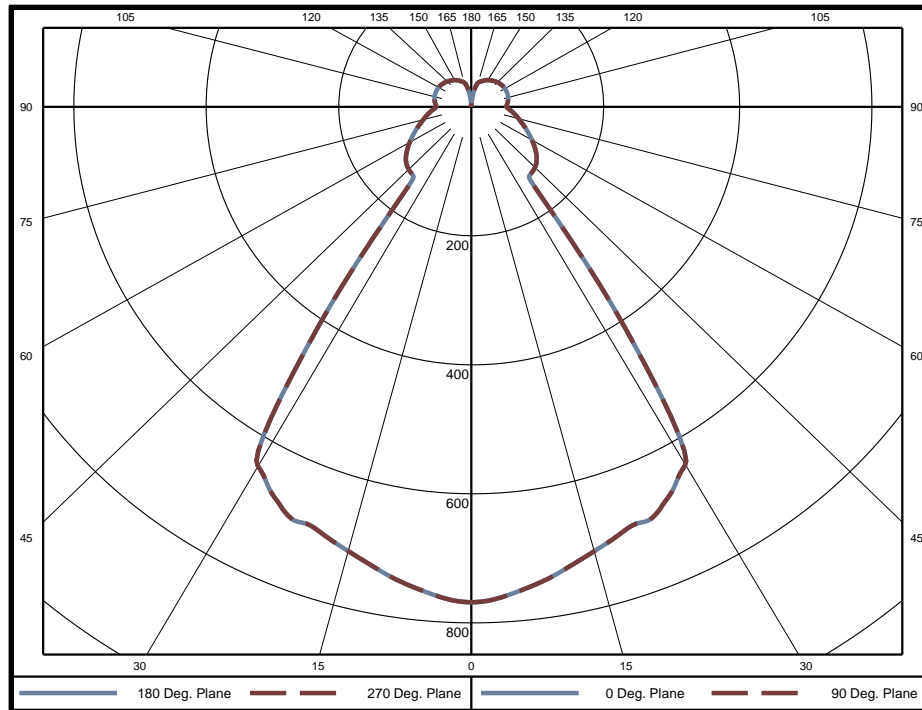
Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.8 °C	120.1 VAC	0.1573 A	18.80 W	0.996	60 Hz	2.74 %

Summary of Results

Spacing Criteria
 0-180: 1.25
 90-270: 1.25

Total Lumen Output: 1553 Lumens
Luminaire Efficacy: 82.6 lm/w
Maximum Candela: 748 Candela

Polar Plot



Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	17.8	1.1%	60-65	48.7	3.1%	120-125	26.1	1.7%
5-10	52.2	3.4%	65-70	45.2	2.9%	125-130	24.2	1.6%
10-15	83.9	5.4%	70-75	41.5	2.7%	130-135	22.0	1.4%
15-20	113.1	7.3%	75-80	37.6	2.4%	135-140	19.5	1.3%
20-25	139.8	9.0%	80-85	33.5	2.2%	140-145	16.9	1.1%
25-30	164.3	10.6%	85-90	29.6	1.9%	145-150	14.2	0.9%
30-35	157.1	10.1%	90-95	28.8	1.9%	150-155	11.4	0.7%
35-40	52.4	3.4%	95-100	29.6	1.9%	155-160	8.8	0.6%
40-45	50.0	3.2%	100-105	29.9	1.9%	160-165	6.0	0.4%
45-50	53.1	3.4%	105-110	29.8	1.9%	165-170	3.1	0.2%
50-55	53.7	3.5%	110-115	29.0	1.9%	170-175	0.9	0.1%
55-60	51.8	3.3%	115-120	27.7	1.8%	175-180	0.0	0.0%

Zone	Lumens	% of Luminaire
0-40	781	50.3%
0-60	989	63.7%
0-90	1225	78.9%
90-180	328	21.1%



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	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5	748.5
5	740.3	740.3	740.3	740.3	740.3	740.3	740.3	740.3	740.3	740.3	740.3	740.3	740.3	740.3	740.3	740.3
10	718.8	718.8	718.8	718.8	718.8	718.8	718.8	718.8	718.8	718.8	718.8	718.8	718.8	718.8	718.8	718.8
15	696.9	696.9	696.9	696.9	696.9	696.9	696.9	696.9	696.9	696.9	696.9	696.9	696.9	696.9	696.9	696.9
20	676.4	676.4	676.4	676.4	676.4	676.4	676.4	676.4	676.4	676.4	676.4	676.4	676.4	676.4	676.4	676.4
25	659.2	659.2	659.2	659.2	659.2	659.2	659.2	659.2	659.2	659.2	659.2	659.2	659.2	659.2	659.2	659.2
30	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5
35	286.1	286.1	286.1	286.1	286.1	286.1	286.1	286.1	286.1	286.1	286.1	286.1	286.1	286.1	286.1	286.1
40	135.7	135.7	135.7	135.7	135.7	135.7	135.7	135.7	135.7	135.7	135.7	135.7	135.7	135.7	135.7	135.7
45	133.8	133.8	133.8	133.8	133.8	133.8	133.8	133.8	133.8	133.8	133.8	133.8	133.8	133.8	133.8	133.8
50	128.3	128.3	128.3	128.3	128.3	128.3	128.3	128.3	128.3	128.3	128.3	128.3	128.3	128.3	128.3	128.3
55	118.2	118.2	118.2	118.2	118.2	118.2	118.2	118.2	118.2	118.2	118.2	118.2	118.2	118.2	118.2	118.2
60	106.1	106.1	106.1	106.1	106.1	106.1	106.1	106.1	106.1	106.1	106.1	106.1	106.1	106.1	106.1	106.1
65	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
70	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
75	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
80	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
85	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
90	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
95	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
100	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
105	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
110	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
115	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
120	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
125	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
130	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
135	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
140	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
145	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
150	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
155	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
160	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
165	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
170	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9
175	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
180	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average Luminance (cd/m²)
Horizontal Angle (Degrees)

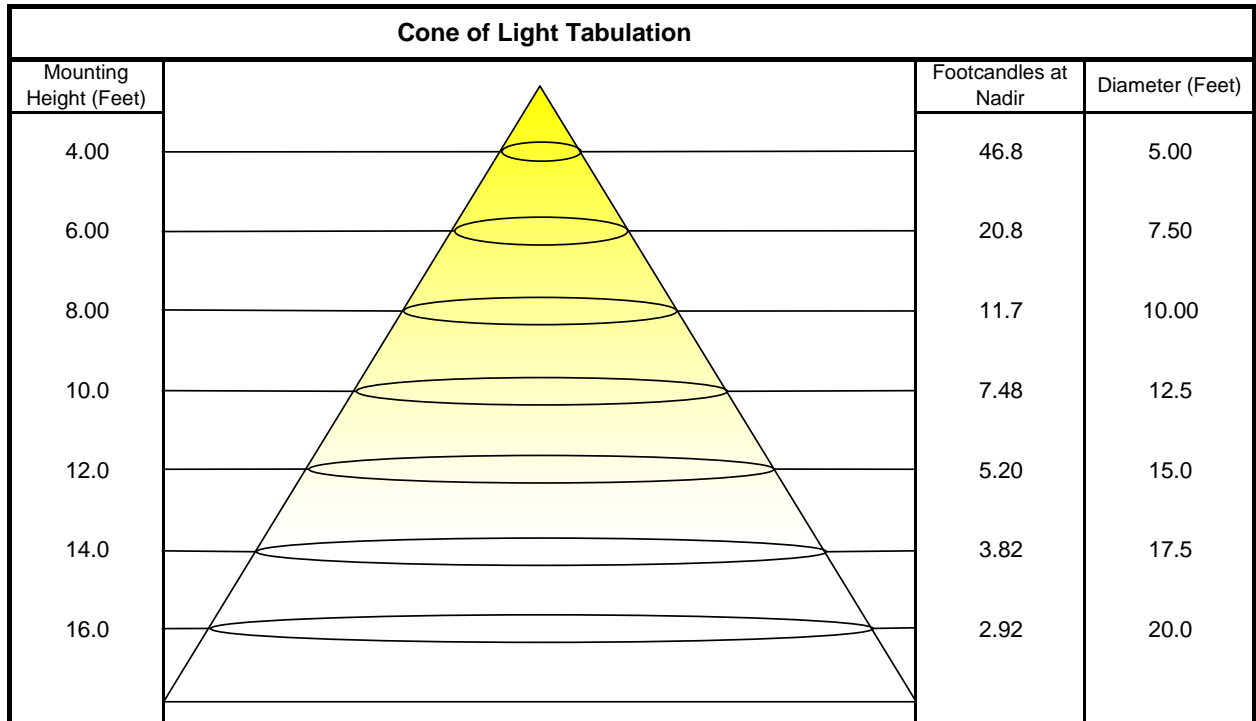
	0	45	90
0	41030	41030	41030
45	7338	7338	7338
55	6518	6518	6518
65	5296	5296	5296
75	4298	4298	4298
85	3461	3461	3461



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	1771	1771	1771	1771	1692	1692	1692	1692	1544	1544	1544	1408	1408	1408	1284	1284	1284	1225
1	1617	1546	1482	1424	1542	1479	1422	1370	1353	1309	1268	1238	1203	1171	1132	1105	1081	1027
2	1488	1372	1275	1194	1418	1315	1229	1155	1209	1139	1080	1110	1056	1008	1019	977	939	890
3	1375	1230	1117	1027	1311	1181	1079	997	1090	1007	939	1006	939	883	927	874	829	784
4	1276	1112	991	900	1217	1070	961	876	992	901	830	919	845	785	851	791	741	700
5	1187	1012	889	798	1134	976	863	779	908	814	742	845	767	705	786	721	670	632
6	1109	926	804	717	1060	895	783	701	836	741	670	781	701	640	729	662	610	575
7	1038	853	733	649	993	825	714	636	773	679	610	725	644	584	679	611	559	526
8	974	788	672	591	934	764	656	580	718	625	558	675	595	536	635	566	515	484
9	917	732	619	543	880	711	605	533	670	578	514	631	552	495	595	527	476	448
10	865	682	573	500	831	663	561	492	627	537	475	592	514	459	560	492	443	416

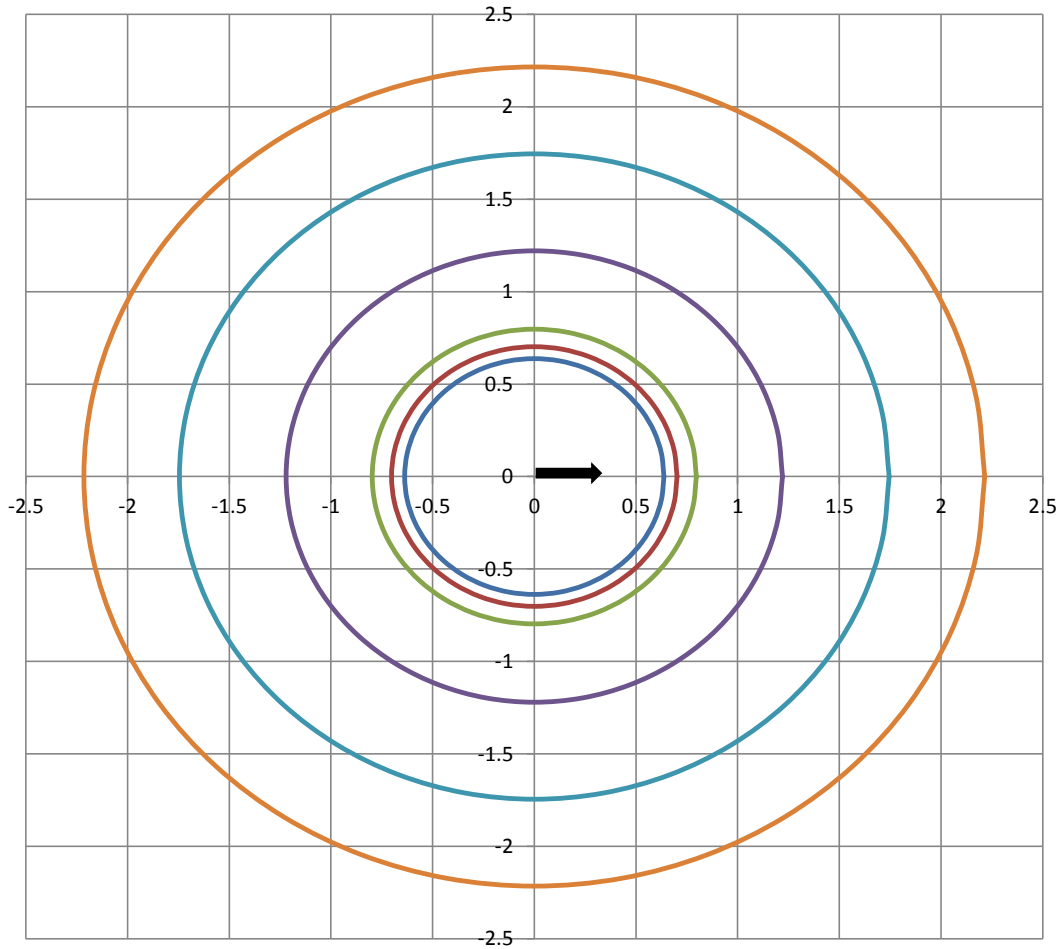
Beam and Field Information	
CIE Type:	Semi-Direct
Center Beam Intensity:	748.5 Candela
Central Cone Intensity:	745 Candela
Beam Flux:	714.2 Lumens
Beam Angle (0-180):	68.7 Degrees
Beam Angle (90-270):	68.7 Degrees
Field Angle (0-180):	149.7 Degrees
Field Angle (90-270):	149.7 Degrees





ISOFootcandle Plot

Mounting Height - 8 Feet



Grid Lines in Units of Mounting Height

