

Complete Fixture consists of Decorative Element, Reflector Trim, Installation Ring and Gear Harness. Each sold separately.

4 Piece Ordering System, Example: D4A03CE + 8011CL + C4XRM + BKFEU18

Compact Fluorescent

Decorative Element	Reflector Trim	Installation Ring	Gear Harness	Lamp Data	Dimensions		
					A	B	C
D4A03CE	8011CL	C4XRM Matte White	BKFEU18	18W Triple Tube	89mm	159mm	51mm
D6A03CE	8021CL	C6XRM Matte White	BKFEU26-32	26 or 32W Triple Tube	102mm	197mm	54mm
D7A03CE	8022CL	C7XRM Matte White	BKFEU26-42	26, 32 or 42W Triple Tube	124mm	235mm	54mm

Metal Halide

Decorative Element	Reflector Trim	Installation Ring	Gear Harness	Lamp Data	Dimensions		
					A	B	C
D4A03CE	C4T4VWCL	C4XRM Matte White	BKT4U39	CDM-TC G8.5 39W	130mm	159mm	51mm
D6A03CE	C6T6VWCL	C6XRM Matte White	BKT6U39	CDM-T G12 39W	168mm	197mm	54mm

Low Voltage

Decorative Element	Reflector Trim	Installation Ring	Gear Harness	Lamp Data	Dimensions		
					A	B	C
D4A03CE	C4MRDVCLEXP	C4XRM Matte White	TKEU75	MR16 12v GU5.3 50W Max	130mm	159mm	51mm

Features

- Decorative Element:** Angled hand blown triplex glass carefully proportioned to each aperture size. Glass is gently and evenly illuminated for clean brightness recognition.
- Die Cast Finish Ring:** Aluminum die cast finish ring with crisp 90 degree edges conceals all fasteners for a clean finished appearance.
- Reflector:** Use Specular Clear (CL) finish for best performance and aesthetics. ORDER SEPARATELY. See separate specification sheet for details.
- Installation Ring:** Cast aluminum ring is painted and has two 17ga. stainless steel springs that engage in upright position during installation. One touch snap action secures ring in ceiling cutout. ORDER SEPARATELY. See separate specification sheet for details.
- Gear Harness:** Electronic 240V, 50/60V Hz transformer (not shown) with lamp socket, socket cup, and wiring harness. ORDER SEPARATELY. See separate specification sheet for details.

Certifications and Ratings



Job Information

Type:

Job Name:

Cat. No.:

Lamp(s):

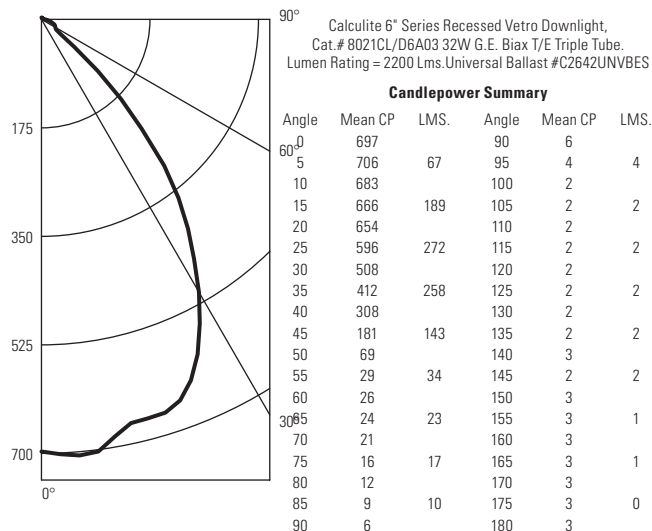
Notes:

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8021CL-D6A03



Ceiling	80%			70%			50%			30%			10%					
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
Wall	Zonal Cavity Method - Effective Floor Reflectance = 20%																	
RCR	Zonal Cavity Method - Effective Floor Reflectance = 20%																	
0	.56	.56	.56	.56	.54	.54	.54	.54	.52	.52	.52	.49	.49	.49	.47	.47	.47	.46
1	.53	.51	.50	.49	.51	.50	.49	.48	.48	.47	.46	.46	.45	.45	.44	.44	.43	.42
2	.50	.47	.45	.44	.49	.47	.45	.43	.45	.43	.42	.43	.42	.41	.42	.41	.40	.39
3	.47	.44	.41	.39	.46	.43	.41	.39	.42	.40	.38	.41	.39	.38	.40	.38	.37	.36
4	.45	.41	.38	.36	.44	.40	.38	.36	.39	.37	.35	.38	.36	.35	.37	.36	.34	.34
5	.42	.38	.35	.33	.41	.38	.35	.33	.37	.34	.32	.36	.34	.32	.35	.33	.32	.31
6	.40	.35	.33	.30	.39	.35	.32	.30	.34	.32	.30	.34	.31	.30	.33	.31	.29	.29
7	.37	.33	.30	.28	.37	.33	.30	.28	.32	.29	.28	.31	.29	.27	.31	.29	.27	.26
8	.35	.31	.28	.26	.35	.30	.27	.25	.30	.27	.25	.29	.27	.25	.29	.27	.25	.24
9	.33	.28	.25	.23	.33	.28	.25	.23	.28	.25	.23	.27	.25	.23	.27	.24	.23	.22
10	.31	.26	.23	.21	.31	.26	.23	.21	.26	.23	.21	.25	.23	.21	.25	.23	.21	.20

Determined In Accordance With Current IES Published Procedures
Luminaire Input Watts = 33.0

Zone	Lumens	% Lamp	%Luminaire
0-30	528	24.01	51.31
0-40	785	35.72	76.34
0-60	963	43.77	93.56
0-90	1013	46.06	98.45
40-90	227	10.35	22.11
60-90	50	2.29	4.89
90-180	15	.72	1.55
0-180	1029	46.79	100.00

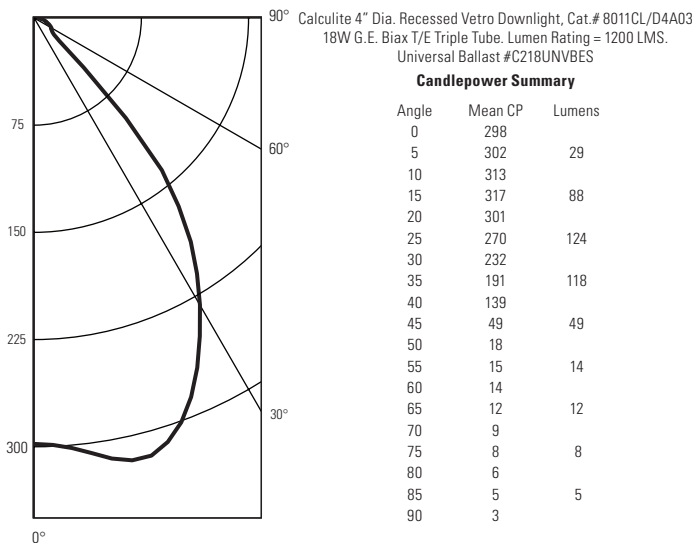
Angle	Mean CD/SQ M
45	14072
55	2746
65	3095
75	3378
85	5667

Certified Test Report no. 3493FR
Computed by LSI Program **TEST-LITE**
SC = 1.1

Prepared For:
Lightolier
Fall River, MA

Tested According to IES Procedures. Test Distance Exceeds Five Times the Greatest Luminous Opening of Luminaire.

8011CL-D4A03



Ceiling	80%			70%			50%			30%			10%					
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
Wall	Zonal Cavity Method - Effective Floor Reflectance = 20%																	
RCR	Zonal Cavity Method - Effective Floor Reflectance = 20%																	
0	.44	.44	.44	.44	.43	.43	.43	.43	.41	.41	.41	.40	.40	.40	.38	.38	.38	.37
1	.42	.41	.40	.39	.41	.40	.39	.39	.39	.38	.37	.37	.37	.36	.36	.36	.35	.35
2	.40	.38	.37	.35	.39	.37	.36	.35	.36	.35	.34	.35	.34	.33	.34	.33	.33	.32
3	.38	.35	.33	.32	.37	.35	.33	.32	.34	.32	.31	.33	.32	.31	.32	.31	.30	.30
4	.36	.33	.31	.29	.35	.33	.31	.29	.32	.30	.29	.31	.30	.28	.30	.29	.28	.28
5	.34	.31	.28	.27	.33	.30	.28	.27	.30	.28	.27	.29	.27	.26	.29	.27	.26	.25
6	.32	.29	.26	.25	.32	.28	.26	.25	.28	.26	.25	.27	.26	.24	.27	.25	.24	.24
7	.30	.27	.24	.23	.30	.27	.24	.23	.26	.24	.23	.26	.24	.22	.25	.24	.22	.22
8	.29	.25	.23	.21	.28	.25	.23	.21	.24	.22	.21	.24	.22	.21	.24	.22	.21	.20
9	.27	.23	.21	.19	.27	.23	.21	.19	.23	.21	.19	.22	.20	.19	.22	.20	.19	.19
10	.26	.22	.19	.18	.25	.22	.19	.18	.21	.19	.18	.21	.19	.18	.21	.19	.18	.17

Determined In Accordance With Current IES Published Procedures
Luminaire Input Watts = 23.0

Zone	Lumens	% Lamp	%Luminaire
0-30	241	20.13	53.91
0-40	359	29.98	80.29
0-60	423	35.26	94.41
0-90	448	37.34	100.00
40-90	88	7.36	19.71
60-90	25	2.09	5.59
90-180	0	.00	.00
0-180	448	37.34	100.00

Certified Test Report no. 3559FR
Computed by LSI Program **TEST-LITE**
SC = 1.1

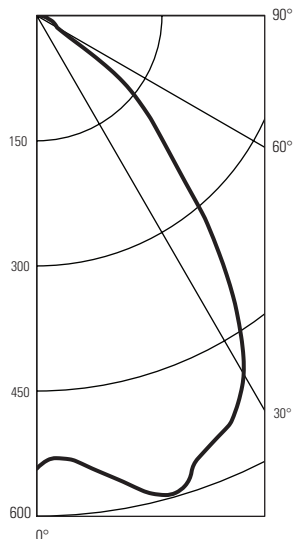
Prepared For:
Lightolier
Fall River, MA

Tested According to IES Procedures. Test Distance Exceeds Five Times the Greatest Luminous Opening of Luminaire.

Job Information **Type:**

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8031CL-D6A03



Calculate 6" Dia. Recessed Horizontal Vetro Downlight, Cat.# 8031CL/D6A03 32W Sylvania Dulux T/E Triple Tube. Lumen Rating = 2400 LMS. Universal Ballast #C2642UNVBES(#1)

Candlepower Summary

Angle	Along	22.5	45	67.5	Across	Output Lumens
0	543	543	543	543	543	53
5	536	541	550	555	562	164
10	565	572	577	567	558	253
15	595	594	586	572	569	277
20	565	575	574	568	583	211
25	543	557	528	560	584	174
30	496	511	507	508	524	111
35	410	431	445	487	514	67
40	308	308	337	374	406	24
45	216	213	206	202	211	16
50	160	154	142	123	111	12
55	79	72	62	60	61	8
60	28	28	28	29	30	8
65	24	24	24	25	26	8
70	20	20	20	21	21	8
75	14	15	15	15	16	8
80	11	11	11	11	12	8
85	8	7	7	8	8	8
90	4	4	4	5	5	8

Coefficients of Utilization

Ceiling	80%			70%			50%			30%			10%					
Wall	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	
RCR	Zonal Cavity Method - Effective Floor Reflectance = 20%																	
0	.51	.51	.51	.51	.50	.50	.50	.50	.48	.48	.48	.46	.46	.46	.44	.44	.44	
1	.49	.47	.46	.45	.48	.46	.45	.44	.45	.44	.43	.43	.42	.42	.41	.41	.40	
2	.46	.44	.42	.40	.45	.43	.41	.40	.41	.40	.39	.40	.39	.38	.39	.38	.37	
3	.43	.40	.38	.36	.42	.39	.37	.35	.38	.36	.35	.37	.36	.34	.36	.35	.34	
4	.41	.37	.34	.32	.40	.37	.34	.32	.36	.33	.32	.35	.33	.31	.34	.32	.31	
5	.38	.34	.31	.29	.37	.34	.31	.29	.33	.31	.29	.32	.30	.29	.32	.30	.28	
6	.36	.32	.29	.27	.35	.31	.28	.26	.31	.28	.26	.30	.28	.26	.29	.27	.26	
7	.34	.29	.26	.24	.33	.29	.26	.24	.28	.26	.24	.27	.25	.24	.27	.25	.23	
8	.31	.27	.24	.22	.31	.26	.24	.22	.26	.23	.22	.25	.23	.21	.25	.23	.21	
9	.29	.25	.22	.20	.29	.24	.22	.20	.24	.21	.19	.23	.21	.19	.23	.21	.19	
10	.27	.23	.20	.18	.27	.22	.20	.18	.22	.19	.18	.22	.19	.18	.21	.19	.17	

Determined In Accordance With Current IES Published Procedures

Luminaire Input Watts = 36.0

Zonal Lumens and Percentages

Zone	Lumens	% Lamp	% Luminaire
0-30	469	19.55	45.26
0-40	746	31.10	71.99
0-60	987	41.16	95.27
0-90	1036	43.20	100.00
40-90	290	12.10	28.01
60-90	49	2.04	4.73
90-180	0	.00	.00
0-180	1036	43.20	100.00

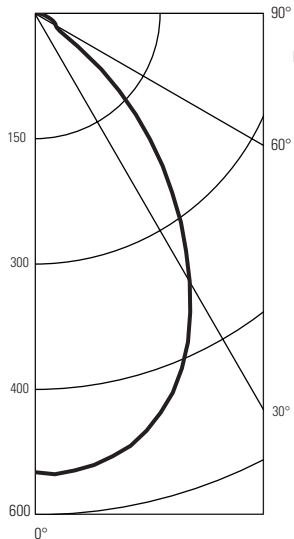
** Efficiency = 43.2% **

Certified Test Report no. 3535FR
Computed by LSI Program **TEST-LITE**
SC(ALONG) = 1.3, SC(ACROSS) = 1.4

Prepared For:
Lightolier
Fall River, MA

Tested According to IES Procedures. Test Distance Exceeds Five Times the Greatest Luminous Opening of Luminaire.

8091DCL-D6A03



Calculate 6" Vetro Horizontal Downlight, Cat.# 8091DCL/D6A03, Opal Lens 32W Sylvania Dulux T/E Triple Tube. Lumen Rating = 2400 LMS. Universal Ballast #C2642UNVBES(#1)

Candlepower Summary

Angle	Along	22.5	45	67.5	Across	Output Lumens
0	549	549	549	549	549	52
5	548	545	543	545	549	144
10	536	534	533	534	538	196
15	513	511	509	512	517	266
20	478	475	474	478	483	371
25	426	423	421	428	434	466
30	362	360	360	367	371	526
35	290	289	292	299	305	681
40	220	220	224	232	238	856
45	158	157	162	168	171	1126
50	105	105	105	104	104	1401
55	34	34	35	35	36	1876
60	30	29	30	29	29	2351
65	26	26	26	26	26	2826
70	22	21	21	21	21	3301
75	15	15	15	15	15	3776
80	11	11	11	11	11	4251
85	8	7	7	7	7	4726
90	4	4	4	4	4	5201

Coefficients of Utilization

Ceiling	80%			70%			50%			30%			10%					
Wall	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	
RCR	Zonal Cavity Method - Effective Floor Reflectance = 20%																	
0	.40	.40	.40	.40	.39	.39	.39	.39	.37	.37	.37	.35	.35	.35	.34	.34	.34	
1	.38	.36	.36	.35	.37	.36	.35	.34	.34	.34	.33	.33	.33	.32	.32	.32	.31	
2	.35	.34	.32	.31	.35	.33	.32	.31	.32	.31	.30	.31	.30	.29	.30	.29	.28	
3	.33	.31	.29	.28	.33	.31	.29	.28	.30	.28	.27	.29	.28	.27	.28	.27	.26	
4	.32	.29	.27	.25	.31	.28	.27	.25	.28	.26	.25	.27	.26	.24	.26	.25	.24	
5	.30	.27	.24	.23	.29	.26	.24	.23	.26	.24	.23	.25	.24	.22	.25	.23	.22	
6	.28	.25	.23	.21	.27	.24	.22	.21	.24	.22	.21	.23	.22	.21	.23	.22	.20	
7	.26	.23	.21	.19	.26	.23	.21	.19	.22	.20	.19	.22	.20	.19	.21	.20	.19	
8	.25	.21	.19	.18	.24	.21	.19	.17	.21	.19	.17	.20	.19	.17	.20	.18	.17	
9	.23	.20	.17	.16	.23	.19	.17	.16	.19	.17	.16	.19	.17	.16	.18	.17	.16	
10	.22	.18	.16	.15	.21	.18	.16	.15	.18	.16	.15	.17	.16	.14	.17	.16	.14	

Determined In Accordance With Current IES Published Procedures

Luminaire Input Watts = 38.0

Zonal Lumens and Percentages

Zone	Lumens	% Lamp	% Luminaire
0-30	391	16.32	48.98
0-40	576	24.04	72.12
0-60	749	31.23	93.72
0-90	799	33.33	100.00
40-90	223	9.29	27.88
60-90	50	2.09	6.28
90-180	0	.00	.00
0-180	799	33.33	100.00

** Efficiency = 33.3% **

Certified Test Report no. 3519FR
Computed by LSI Program **TEST-LITE**
SC(ALONG) = 1.0, SC(ACROSS) = 1.1

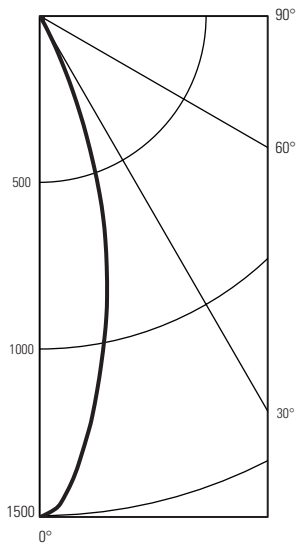
Prepared For:
Lightolier
Fall River, MA

Tested According to IES Procedures. Test Distance Exceeds Five Times the Greatest Luminous Opening of Luminaire.

Job Information Type:

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C3MR03 /NFL



Calculate 3" Dia. Recessed Vetro Downlight,
Cat.# C3MRDCLW/D3MR03 50W G.E. MR16 NFL (25 Deg.) Lamp.
Lumen Rating = 800 LMS. Lighttech XFMR LET-75

Candlepower Summary

Angle	Mean CP	Lumens
0	1505	
5	1350	126
10	1065	
15	780	220
20	474	
25	188	103
30	38	
35	14	13
40	15	
45	14	11
50	13	
55	12	11
60	10	
65	9	9
70	7	
75	6	7
80	6	
85	4	5
90	3	

Coefficients of Utilization

Ceiling	80%			70%			50%			30%			10%					
	70	50	30	70	50	30	70	50	30	70	50	30	70	50	30	10		
Wall	Zonal Cavity Method - Effective Floor Reflectance = 20%																	
RCR	Zonal Cavity Method - Effective Floor Reflectance = 20%																	
0	.75	.75	.75	.73	.73	.73	.70	.70	.70	.67	.67	.67	.64	.64	.64	.63		
1	.72	.71	.70	.68	.71	.70	.68	.67	.67	.66	.65	.65	.64	.63	.63	.62	.61	
2	.70	.67	.66	.64	.68	.66	.65	.63	.64	.63	.62	.63	.62	.61	.61	.60	.59	.58
3	.68	.65	.62	.61	.66	.64	.62	.60	.62	.61	.59	.61	.60	.58	.60	.59	.58	.57
4	.66	.62	.60	.58	.65	.62	.60	.58	.61	.59	.57	.59	.58	.57	.58	.57	.56	.55
5	.64	.60	.58	.56	.63	.60	.57	.56	.59	.57	.55	.58	.56	.55	.57	.55	.54	.54
6	.62	.59	.56	.54	.61	.58	.56	.54	.57	.55	.54	.57	.55	.53	.56	.54	.53	.52
7	.61	.57	.54	.52	.60	.56	.54	.52	.56	.54	.52	.55	.53	.52	.54	.53	.52	.51
8	.59	.55	.53	.51	.59	.55	.52	.51	.54	.52	.51	.54	.52	.50	.53	.52	.50	.50
9	.58	.54	.51	.50	.57	.53	.51	.50	.53	.51	.49	.53	.51	.49	.52	.50	.49	.48
10	.56	.52	.50	.48	.56	.52	.50	.48	.52	.50	.48	.51	.49	.48	.51	.49	.48	.47

Determined in Accordance with Current IES Published Procedures
Luminaire Input Watts = 52.0

Zonal Lumens and Percentages

Zone	Lumens	% Lamp	%Luminaire
0-30	448	56.03	89.19
0-40	461	57.63	91.74
0-60	482	60.30	96.00
0-90	502	62.82	100.00
40-90	41	5.19	8.26
60-90	20	2.51	4.00
90-180	0	.00	.00
0-180	502	62.82	100.00

Certified test report no. 3568FR

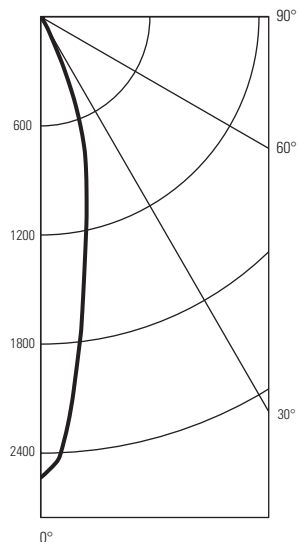
Computed by LSI program
TEST-LITE
SC = 5

Prepared For:
Lightolier
Fall River, MA

** Efficiency = 57.5% **

Tested According to IES Procedures. Test Distance Exceeds Five Times the Greatest Luminous Opening of Luminaire.

C4MR03 /NFL



Calculate 4" Dia. Vetro Recessed Downlight Cat.# D4MR03
50W G.E. MR16 NFL (25 Deg.) Lamp. Lumen Rating = 800 LMS.
Lighttech XFMR LET-75

Candlepower Summary

Angle	Mean CP	Lumens
0	2534	
5	2068	192
10	1389	
15	971	281
20	638	
25	249	140
30	78	
35	19	21
40	15	
45	15	12
50	14	
55	13	12
60	12	
65	11	11
70	9	
75	7	8
80	6	
85	6	6
90	5	

Coefficients of Utilization

Ceiling	80%			70%			50%			30%			10%					
	70	50	30	70	50	30	70	50	30	70	50	30	70	50	30	10		
Wall	Zonal Cavity Method - Effective Floor Reflectance = 20%																	
RCR	Zonal Cavity Method - Effective Floor Reflectance = 20%																	
0	1.021	1.021	1.021	.99	.99	.99	.95	.95	.95	.91	.91	.91	.87	.87	.87	.85		
1	.98	.96	.95	.93	.96	.95	.93	.92	.91	.90	.89	.88	.87	.86	.85	.84	.84	.82
2	.95	.92	.89	.87	.93	.90	.88	.86	.88	.86	.84	.85	.84	.83	.83	.82	.81	.80
3	.92	.88	.85	.83	.91	.87	.85	.82	.85	.83	.81	.83	.81	.80	.82	.80	.79	.78
4	.90	.85	.82	.80	.88	.84	.82	.79	.83	.80	.78	.81	.79	.77	.80	.78	.77	.76
5	.87	.82	.79	.76	.86	.82	.78	.76	.80	.78	.76	.79	.77	.75	.78	.76	.74	.73
6	.85	.80	.77	.74	.84	.80	.76	.74	.78	.76	.74	.77	.75	.73	.76	.74	.73	.72
7	.83	.78	.74	.72	.82	.77	.74	.72	.76	.73	.72	.75	.73	.71	.75	.72	.71	.70
8	.81	.76	.72	.70	.80	.75	.72	.70	.74	.72	.70	.74	.71	.69	.73	.71	.69	.68
9	.79	.74	.71	.68	.78	.73	.70	.68	.73	.70	.68	.72	.70	.68	.71	.69	.68	.67
10	.77	.72	.69	.67	.77	.72	.69	.67	.71	.68	.66	.71	.68	.66	.70	.68	.66	.65

Determined in Accordance with Current IES Published Procedures
Luminaire Input Watts = 52.0

Zonal Lumens and Percentages

Zone	Lumens	% Lamp	%Luminaire
0-30	614	76.75	89.89
0-40	634	79.35	92.93
0-60	658	82.29	96.38
0-90	683	85.39	100.00
40-90	48	6.04	7.07
60-90	24	3.09	3.62
90-180	0	.00	.00
0-180	683	85.39	100.00

Certified test report no. 33604FR

Computed by LSI program
TEST-LITE
SC = 4

Prepared For:
Lightolier
Fall River, MA

** Efficiency = 85.4% **

Tested According to IES Procedures. Test Distance Exceeds Five Times the Greatest Luminous Opening of Luminaire.

Job Information **Type:**

631 Airport Road, Fall River, MA 02720 • (508) 679-8131 • Fax (508) 674-4710
We reserve the right to change details of design, materials and finish.
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